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March 30, 2023

Ms. Megan Kuczka
Environmental Program Specialist 1
New York State Department of Environmental Conservation – Region 9
700 Delaware Avenue
Buffalo, New York 14209

Re: 2022 Annual Periodic Review Report – Revision 1
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, 2022 through December 31, 2022.

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

Sincerely,

Thomas D. Palmer
Sr. Project Manager

CC:

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Cherry Farm/River Road Potentially Responsible Parties Group

2022 Annual Periodic Review Report – Revision 1

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

March 30, 2023

File No. 442205

2022 Annual Periodic Review Report – Revision 1

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

Prepared for:
New York State Department of Environmental Conservation – Region 9
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Table of Contents

Figures

Tables

Appendices

Acronyms

BOD	Biochemical Oxygen Demand
Class GA	New York State Ambient Groundwater Standards
COU	Change of Use
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 2022 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, 2022 through December 31, 2022. The work was conducted as part of the required post-construction operations, maintenance, and monitoring (OM&M) program. The goals of the OM&M program are to monitor and evaluate groundwater and surface water quality and to monitor and maintain the integrity of the landfill remedy (which includes the cap and groundwater collection/treatment systems), offshore barrier islands, and shoreline wetlands.

Program Methodology

In accordance with the procedures outlined in the updated OM&M manual (dated June 2017), annual sampling includes sampling of the collection trench sumps in the shallow aquifer and monitoring wells in the intermediate/deep aquifer, including former recovery wells RW-4 and RW-5. Beginning in 2017, monitoring wells MW-1, MW-2, MW-3, and MW-7 are only sampled once every two years (during even numbered years). Therefore, these monitoring wells were sampled during the second quarter of 2022. 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 second quarter of 2022 (May).

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. 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 2022.

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 and monitoring well elevation data was used to construct groundwater contour maps to evaluate hydraulic gradient across the Site. Additionally, water level data from the sumps and observation wells are also used to construct hydrographs and elevation data from the sumps and observation wells were used to construct shallow groundwater contour maps in the vicinity of the shallow groundwater trench as requested by the NYSDEC following approval of the 2021 Periodic Review Report. Groundwater contour maps and hydrographs are discussed in *Section 3* and included in **Figures 3.3a-h**, **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, and integrity of the cover system. Quarterly inspections were documented on Post-Remedial Action Quarterly Inspection Report Forms, included as **Appendix F**. The NYSDEC attended the quarterly Site inspection on December 22, 2022.

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. During maintenance activities, all parts were replaced in kind to ensure proper system operation. Descriptions of significant non-routine maintenance operations performed between January 1 and December 31, 2022 are provided in **Table 2.3**. The major system maintenance completed during the period involved replacement of sections of the Sump 1-3 conveyance line and installation of cleanouts on the conveyance line, completed in December 2022.

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), oil and grease, and total petroleum hydrocarbons (TPH). Semi-annual analyses also include biochemical oxygen demand (BOD), total suspended solids (TSS), total cyanide, total phosphorus, and total arsenic. The analytical results assist in determining if the treatment system is operating in accordance with the Discharge Limitations and Monitoring Requirements outlined in the discharge permit located in **Appendix D**.

Monitoring Summary

Intermediate/Deep Groundwater Sampling – Second Quarter 2022

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

- Benzene concentration in RW-4 at 3.4 micrograms per liter (µg/L).

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

During the initial analytical process for Method 8270D (SVOCs) for recovery wells RW-4 and RW-5, the laboratory control sample and laboratory control sample duplicate were measured outside control limits for the following analytes: 1,3 Dichlorobenzene and 1,4 Dichlorobenzene. As a result, the laboratory re-prepared and/or re-analyzed the groundwater samples from

recovery wells RW-4 and RW-5 for Method 8270D (SVOCs). However, the re-prepared samples were analyzed outside the holding time.

The laboratory analytical report provides both the initial sample and the re-prepared sample results for Method 8270D (SVOCs). Due to the re-prepared samples being analyzed outside of holding time, the initial sample results for Method 8270D (SVOCs) for recovery wells RW-4 and RW-5 groundwater samples were utilized and are referenced throughout the *2022 Annual Periodic Review Report*. Re-prepared sample results are reported in the laboratory analytical reports attached in **Appendix A-2**.

Shallow Groundwater Sampling – Second Quarter 2022

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 sumps S-1 and S-3. SVOC analytes were detected in concentrations exceeding Class GA WQSG in sumps S-2 and S-4 and exceedances are summarized below:

- Bis (2-ethylhexyl) phthalate concentration in S-2 at 11 µg/L.
- 2-Methylphenol concentration in S-4 at 12 µg/L.
- 4-Methylphenol concentration in S-4 at 25 µg/L.

During the initial analytical process for Method 8270D (SVOCs) for sumps S-1 through S-4, the laboratory control sample and laboratory control sample duplicate were measured outside control limits for the following analytes: 1,3 Dichlorobenzene and 1,4 Dichlorobenzene. As a result, the laboratory re-prepared and/or re-analyzed the groundwater samples from sumps S-1 through S-4 for Method 8270D (SVOCs). However, the re-prepared samples were analyzed outside the holding time.

The laboratory analytical report provides both the initial samples and the re-prepared sample results for Method 8270D (SVOCs). Due to the re-prepared samples being analyzed outside of holding time, the initial sample results for Method 8270D (SVOCs) for sump S-1 through S-4 groundwater samples were utilized and are referenced throughout the *2022 Annual Periodic Review Report*. Re-prepared sample results are reported in the laboratory analytical reports attached in **Appendix A-2**.

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 exceedances are summarized below:

- Aroclor-1232 concentration in S-4 at 4.6 µg/L.

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

- Iron concentration in S-1 at 400 µg/L and S-3 at 1,200 µg/L.

- Manganese concentration in S-1 at 460 µg/L.
- Sodium concentration in S-2 at 35,000 µg/L, S-3 at 137,000 µg/L, and S-4 at 200,000 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 2022 sampling events. Surface water sampling has not been conducted since 2007.

Water Level Monitoring

Quarterly water level monitoring was completed on March 10, June 24, September 2, and November 7, 2022. Due to some anomalous water level measurements during the second quarter groundwater sampling event, the wells were regauged on June, 24 2022. Water table elevations for the monitoring wells, observation wells, and sumps were higher than the water elevation of the Niagara River for the first and second quarters of 2022 (March and June 2022) which is consistent with historical trends. During the quarterly water level monitoring event for September 2022, the water elevations in monitoring wells MW-1 through MW-7, observation wells OW-1, OW-4, OW-8, and sump S-4 were below the Niagara River staff gauge elevation reported. However, this is likely due to choppy river conditions during the gauging event. During the quarterly water level monitoring event for November 2022 the staff river gauge was not accessible and was not gauged. Further review of water elevations and Site activities are presented in *Section 3.4, 4.1,* and *4.2*.

Quarterly Cap Inspections

GES performed formal cap inspections quarterly in 2022 (**Appendix F**). Deficiencies in the vegetative cover of the cap were observed during the fourth quarter 2022 inspection following completion of the Sump 1-3 conveyance line excavation and repair work (completed in November and December 2022). Regrading of ruts left from machines and hydroseeding of affected areas will be completed in the Spring of 2023. Erosion control installed during the Sump1-3 conveyance line excavation was left in place after being repositioned in December 2022 and will be inspected routinely until cap restoration is completed.

System Effectiveness

During system operation, the average flow rate for 2022 was approximately 7.29 gallons per minute (gpm). The system up-time for 2022 was approximately 94.2%. Approximately 3,608,983 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2022. Based on the annual sampling data from the remedial system sumps and the total gallons treated and discharged by the system in 2022, approximately 0.087 pounds of VOCs, 2.528 pounds of SVOCs, less than 0.001 pounds of pesticides, and

0.138 pounds of PCBs were removed in 2022. 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. A work plan detailing plans to repair or replace a portion of the affected conveyance line was submitted to the NYSDEC on April 7, 2022, with the repair work for Sump 1-3 conveyance line being completed between November 10 and December 15, 2022.

1 Introduction

This 2022 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, 2022. 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 Farm/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 20 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.
- 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.

In 2022, two (2) parcels which are part of the River Road Site submitted Change of Use (COU) notifications to the NYSDEC. Affected parcels are currently owned by Niagara River World, Inc. (portion of parcel 64.08-1-1.1) and 4100 River Road Properties, LLC (parcel 64.08-1-4). Applicable COU forms and NYSDEC response letters are included in **Appendix H**. As of the date of this report, the NYSDEC has not been notified of final property sales associated with these COU submittals.

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.
- Surface water sampling points SW-1 through SW-3 to assess surface water quality, if surface water is present.

Sampling and analysis of groundwater from the upgradient and downgradient monitoring wells was performed quarterly for the first year of operation and reduced to semi-annually from 1998 through 2004. Starting in 2005 groundwater sampling was reduced to a rotating annual sampling schedule of once every three quarters. In 2017, the NYSDEC approved reduction in sampling of monitoring wells MW-1, MW-2, MW-3, and MW-7 to occur every two years (in even numbered years). In August 2020, the NYSDEC approved the removal of PCBs from the analytical list for the intermediate and deep aquifer groundwater samples.

3 Program Methodology

3.1 Institutional and Engineering Controls

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

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

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

3.2 Groundwater Quality Monitoring

The monitoring wells and sumps were sampled in accordance with the OM&M manual. Groundwater quality in the intermediate/deep zone was monitored at nine (9) locations, including seven (7) monitoring wells (MW-1 through MW-7) and two (2) former recovery wells (RW-4 and RW-5). The shallow groundwater quality was monitored at the four (4) sumps (S-1 through S-4) located in the collection trench. The monitoring wells and sumps were sampled on May 23 and 24, 2022. 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 second quarter of 2022. Sample results from 2022 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 2022 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. The water quality meter used during the sampling to measure pH, temperature, specific conductance, and turbidity, was calibrated daily before sampling commenced as well as checked between samples if readings were in question.

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 2022 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 10, June 24, September 2, and November 7, 2022. Due to some anomalous water level measurements during the second quarter groundwater sampling event, the wells were regauged on June, 24 2022. In addition to the water level measurements, the thickness of LNAPL, if present, was measured and recorded. An oil/water interface probe was used to measure depth to product (DTP) and depth to water (DTW) levels with an accuracy of approximately ±0.01 feet. Groundwater elevation data for the reporting period are provided in **Table 2.2**. The contour maps and hydrographs are discussed in *Section 4*. A historical water level database is provided in **Appendix B-1**. Below is a summary of the quarterly 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. Additionally, the water level data collected from the observation wells is used to construct shallow groundwater contour maps (**Figures 3.3e** through **3.3h**) for the Site in the vicinity of the collection trench.

- 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. Additionally, the water level data collected from the sumps is used in conjunction with the observation well water level data to construct shallow groundwater contour maps (**Figures 3.3e** through **3.3h**) for the Site in the vicinity of the collection trench.
- No LNAPL was detected or observed in the monitoring wells, recovery wells, observation wells, or sumps during quarterly groundwater level monitoring events in 2022.

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 on a quarterly basis and a Post-Remedial Action Quarterly Inspection Report Form was filled out (**Appendix F**). The NYSDEC attended a formal cap inspection on December 22, 2022. 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 with the exception of one fence post which was hit by a vehicle. The damaged fence post was replaced in kind in April 2022 without any excavation or import of materials. The monitoring and observation wells and interceptor trench sumps were observed to be in good condition. The offshore barrier islands and gabion wall were found to be in good condition.

The site access road was noted to be deteriorating in the third quarter and fourth quarter inspections in 2022. However, the deterioration does not affect the cover system integrity and is representative of general wear of the road. Road repairs are not warranted at this time but will be evaluated based on observations during future inspection events.

There was no evidence of damage to the cover system or notation of excessive debris/litter for the first three quarterly cap inspections in 2022. During the December 22, 2022 inspection, surface damage to the surface cover system on the Cherry Farm and River Road sites was observed following completion of the Sump 1-3 conveyance line repairs that were completed December 15, 2022. The restoration of these areas (including regrading and hydroseeding) will be completed in Spring 2023. Erosion control installed during the Sump 1-3 conveyance line repair was repositioned along the disturbed areas of the site in December 2022 and was left in place. The erosion control will be inspected routinely until the restoration of the cap is completed.

As part of the maintenance activities, the wooded upland and wetland habitats were inspected routinely. In general, the constructed shoreline vegetation is continuing to grow and propagate. Wildlife usage of the created habitats is readily apparent. The cap is mowed annually, after August 15th, to prevent disturbing on-Site nesting bird populations.

3.6 Groundwater Collection/Treatment System OM&M

In accordance with the Town of Tonawanda Industrial Sewer Connection Permit for the Site, GES collects monthly and semi-annual treatment system samples for laboratory analyses. Treatment system samples are collected from the sump influent and prior to discharge to the Town (ML-2). Monthly analyses include PCBs, potential of hydrogen (pH), oil and grease, and total petroleum hydrocarbons (TPH). Semi-annual analyses include biochemical oxygen demand (BOD), total suspended solids (TSS), total cyanide, total phosphorus, and total arsenic. Additionally, a monthly sample is collected from between the two (2) carbon units and analyzed for PCBs to monitor the effectiveness of the carbon treatment. Treatment system analytical results for 2022 and a copy of the Industrial Sewer Connection Permit for 2020 through 2022 are provided in **Appendix D**. No oil was collected by the system during the reporting period.

On October 19, 2022 GES received analytical data from Eurofins TestAmerica indicating an effluent PCB concentration of 0.14 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 October 20, 2022. On October 20, 2022 GES started a partial carbon change on primary system liquid granular activated carbon (LGAC) vessel. On October 27, 2022, the system was restarted after draining, cleaning, re-filling, and rehydrating the carbon vessel. Subsequent ML-2 samples have all been non-detect for PCBs. Renewal of the Town of Tonawanda industrial sewer connection permit #613 was also coordinated during the period and a permit for January 1, 2023 through December 31, 2025 was granted on December 27, 2022.

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. During maintenance activities, all parts were replaced in kind to ensure proper system operation.

The NYSDEC was notified of reduced flow due to the Sump 1-3 conveyance line constriction via electronic mail on December 27, 2021. Therefore, for the majority of 2022, only Sump 4 was operational. A work plan detailing plans to repair or replace the affected conveyance line (partial or full replacement between the treatment building and Sump 1-3) was submitted to the NYSDEC on April 7, 2022, with repair work starting November 10, 2022 and completed on December 15, 2022. The Sump 1-3 conveyance line repair was delayed due to supply chain issues in obtaining the required replacement pipe material. Additional pipe bedding material was imported to the site as part of the conveyance line repair. Import request details are included in **Appendix G**.

The system has been operating with Sumps 1, 2, 3, and 4 operating normally since the repair work was completed. The repair work also included the installation of clean-outs along the Sump 1-3 conveyance line to provide access to the line for preventive maintenance moving forward. A letter report documenting the conveyance line repairs will be submitted to the NYSDEC following completion of the remaining cover system repair scheduled to be completed in the Spring of 2023.

Descriptions of significant non-routine maintenance operations performed between January 1 and December 31, 2022 are provided in **Table 2.3**.

3.7 Waste

No waste was removed from the Site in 2022. One drum of spent filters/personal protective equipment (PPE) and two drums of spent carbon are currently on-Site with removal anticipated in spring 2023.

4 Monitoring Summary

4.1 Groundwater Quality

Annual sampling, conducted on May 23 and 24, 2022, included the collection of groundwater samples from monitoring wells to assess intermediate/deep groundwater quality and from the sumps located in the shallow collection trench to assess shallow groundwater quality. Groundwater samples were collected from nine (9) groundwater monitoring/recovery wells (MW-1 through MW-7, RW-4, and RW-5) and four (4) sumps (S-1 through S-4).

The 2022 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 May 2022 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 – May 2022

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

- Benzene concentration in recovery well RW-4 at 3.4 µg/L.

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

During the initial analytical process for Method 8270D (SVOCs) for recovery wells RW-4 and RW-5, the laboratory control sample and laboratory control sample duplicate were measured outside control limits for the following analytes: 1,3 Dichlorobenzene and 1,4 Dichlorobenzene. As a result, the laboratory re-prepared and/or re-analyzed the groundwater samples from recovery wells RW-4 and RW-5 for Method 8270D (SVOCs). However, the re-prepared samples were analyzed outside the holding time.

The laboratory analytical report provides both the initial sample and the re-prepared sample results for Method 8270D (SVOCs). Due to the re-prepared samples being analyzed outside of holding time, the initial sample results for Method 8270D (SVOCs) for recovery wells RW-4 and RW-5 groundwater samples were utilized and are referenced throughout the *2022 Annual Periodic Review Report*. Re-prepared sample results are reported in the laboratory analytical reports attached in **Appendix A-2**.

Intermediate/Deep Groundwater Trends –2022

Total VOC concentration trends at the intermediate wells MW-1 through MW-7 and deep well RW-5 sampled in May 2022 are decreasing based on all historic data (**Figure 3.2a**). Total VOC concentration trends at deep well RW-4 sampled in May 2022 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 (since 2005) indicates that the concentrations have “no trend” [RW-4: Mann-Kendall Statistic (S) = 40, Confidence Factor = 86.3%].

SVOC concentrations did not exceed WQSG standards during the May 2022 groundwater sampling event. Total SVOC concentration trends at the intermediate wells MW-1, MW-5, MW-6, MW-7 and deep well RW-5 sampled in May 2022 are either decreasing or indicate that there is “no trend” based on all historic data (**Figure 3.2b**).

The total SVOC concentration trend at intermediate wells MW-2, MW-3, MW-4 and deep well RW-4 depicts a positive slope for the trend line shown in **Figure 3.2b.** Note that concentrations of Di-n-butyl phthalate were detected in all intermediate wells MW-1 through MW-7 and have a qualifier that indicates the Di-n-butyl phthalate compound was also found in the blank; therefore, concentrations of this compound may be skewed. Di-n-butyl phthalate was the only SVOC detected in intermediate wells MW-1, MW-2, and MW-4 through MW-7. Additionally, SVOC concentrations at RW-4 were below the reporting limit in May 2022. Furthermore, a Mann Kendall statistical analysis of the historic total SVOC data (since 2005) from intermediate well MW-5 is decreasing [MW-5: Mann-Kendall Statistic (S) = -75, Confidence Factor = 98.2%] and historic total SVOC data from intermediate wells MW-1 through MW-4, MW-6, MW-7, and deep well RW-4 and RW-5 have no trend.

4.1.2 Shallow Groundwater Quality

Shallow Groundwater Sampling – May 2022

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 sumps S-1 and S-3. SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-2 and S-4 and are summarized below:

- Bis (2-ethylhexyl) phthalate concentration in S-2 at 11 µg/L.
- 2-Methylphenol concentration in S-4 at 12 µg/L.
- 4-Methylphenol concentration in S-4 at 25 µg/L.

During the initial analytical process for Method 8270D (SVOCs) for sumps S-1 through S-4, the laboratory control sample and laboratory control sample duplicate were measured outside control limits for the following analytes: 1,3 Dichlorobenzene and 1,4 Dichlorobenzene. As a result, the laboratory re-prepared and/or re-analyzed the groundwater samples from sumps S-1 through S-4 for Method 8270D (SVOCs). However, the re-prepared samples were analyzed outside the holding time.

The laboratory analytical report provides both the initial sample and the re-prepared sample results for Method 8270D (SVOCs). Due to the re-prepared samples being analyzed outside of holding time, the initial sample results for Method 8270D (SVOCs) for sump S-1 through S-4 groundwater samples were utilized and are referenced throughout the *2022 Annual Periodic Review Report*. Re-prepared sample results are reported in the laboratory analytical reports attached in **Appendix A-2**.

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 in S-4 at 4.6 µg/L.

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

- Iron concentration in S-1 at 400 µg/L and S-3 at 1,200 µg/L.
- Manganese concentration in S-1 at 460 µg/L.
- Sodium concentration in S-2 at 35,000 µg/L, S-3 at 137,000 µg/L, and S-4 at 200,000 µg/L.

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

Shallow Groundwater Trends – 2022

VOCs were detected at concentrations below Class GA WQSG in all shallow groundwater samples collected during the May 2022 sampling event. Total VOC concentration trends are generally stable or decreasing based on historic data (**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 (for the last ten years, since 2012) indicates that total PCB concentrations have "no trend" [S-4: Mann-Kendall Statistic (S) = 15, Confidence Factor = 77.5%]. Additionally, 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.

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 May 2022 sampling event.

Detected metal concentrations are consistent with historical trends. Iron, manganese, and/or sodium concentrations exceeding Class GA WQSG were reported for several shallow groundwater samples in May 2022 as discussed above.

RCRA-8 metals were below Class GA WQSG in all sump samples collected in May 2022. 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 second quarter 2022 sampling event. A summary of historically detected compounds in surface water is presented in **Appendix B-4**.

4.1.4 Intermediate/Deep Groundwater Flow

Intermediate/deep zone groundwater contour maps were developed based on the March 10 (**Figure 3.3a**), June 24 (**Figure 3.3b**), September 2 (**Figure 3.3c**), and November 7, 2022 (**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 2022, groundwater flow direction was observed to be primarily to the west, towards the Niagara River. During the November 7, 2022 water level monitoring event the river staff gauge was not accessible and was not gauged. However, groundwater flow direction was still observed to be towards the Niagara River.

The 2022 quarterly intermediate/deep 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 (MW-1 through MW-7), were higher than the water elevation of the Niagara River for the first and second quarters of 2022. During the third quarter 2022 gauging event (September

2022), the observed water elevation at the monitoring wells (MW-1 through MW-7) were all lower than the water elevation recorded of the Niagara River; however, this may be an erroneous staff gauge measurement in the Niagara River due to the choppy water conditions on the river at the time. As indicated above, the river staff gauge was not accessible for measurement in the fourth quarter of 2022.

4.1.5 Shallow Groundwater Flow

Shallow zone groundwater contour maps were developed based on the March 10 (**Figure 3.3e**), June 24 (**Figure 3.3f**), September 2 (**Figure 3.3g**), and November 7, 2022 (**Figure 3.3h**) water level data from observation wells and sumps. Seasonal variations in the water table and flow direction are observed across the Site between the quarterly monitoring events. During all four quarters in 2022, shallow groundwater flow direction was observed to be primarily to the west, towards the collection sump and the Niagara River. An unusually high Niagara River water elevation was observed on September 2, 2022 from choppy water conditions that were observed the day of the gauging event. During the November 7, 2022 water level monitoring event the staff river gauge was not accessible and was not gauged.

The 2022 quarterly shallow groundwater elevation data (**Table 2.2**) was consistent with historical levels and trends (**Figures 3.5a-c** and **Appendix B-1**). Water table elevations for the observation wells and sumps were higher than the water elevation of the Niagara River for the first and second reporting period of 2022. As described above, an unusually high water level was observed on the Niagara River during the September 2022 gauging event. As a result, observation wells OW-1, OW-4, OW-8 and sump S-4 appear to be lower than the Niagara River on this date due to high wave heights on the river during the gauging event. Additionally, during the November 2022 gauging event, the staff river gauge was not accessible and was not gauged.

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 the majority of 2022, only sump S-4 was operational and recovering water due to a clogged Sump 1-3 conveyance line. Sumps S-1, S-2, and S-3 were restarted on December 15, 2022 after repair activities were successfully completed onsite between November 10 and December 15, 2022. Repair activities included replacement of sections of conveyance line, line jetting, and installation of clean-outs along the conveyance line for future maintenance activities.

During system operation, the average flow rate for 2022 was approximately 7.29 gallons per minute (gpm). The 2022 average flow rate is slightly higher when compared to the average flow rate for 2021 (6.50 gpm), and it is slightly higher than the average flow rate of the system from the previous five (5) years (6.49 gpm between 2017 and 2021). The system up-time for 2022 was approximately 94.2%. Aside from normal down-time for routine maintenance checks, other issues that caused additional down-time included a partial carbon change of the lead carbon vessel, replacement of one clearwell pump, daytime system shut downs during The Sump 1-3 conveyance line repairs (between November 10 and December 15, 2023), and faulty pH probes that were subsequently replaced. During maintenance activities, all parts were replaced in kind to ensure proper system operation. Approximately 3,608,983 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2022.

Based on the annual sampling data from the remedial system sumps collected in May 2022 (Sump S-4 only) and the total gallons treated and discharged by the system in 2022, approximately 0.087 pounds of VOCs, 2.528 pounds of SVOCs, less than 0.001 pounds of pesticides, and 0.138 pounds of PCBs were removed in 2022. Mass removal data is provided in **Table 3.3**. No surface overflows were observed from the trench during the reporting period.

The 2022 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-1**.

Water table elevations for the nine (9) observation wells and the four (4) sumps in 2022 remained higher than the surface water elevation of the Niagara River (consistent with historical trends) for the first and second reporting period of 2022. As described in *Section 4.1.5*, observation wells OW-1, OW-4, OW-8 and sump S-4 had a lower water elevation than the Niagara River in September 2022 due to high wave heights on the river during the gauging event and the staff river gauge was not accessible and could not be gauged in November 2022.

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 May 2022 Intermediate/Deep Aquifer

- In the intermediate/deep groundwater samples from MW-1 through MW-7, RW-4, and RW-5, groundwater concentrations did not exceed Class GA WQSG for any VOCs with the exception of benzene in deep groundwater sample RW-4 (3.4 µg/L).
- In the intermediate/deep groundwater samples from MW-1 through MW-7, RW-4, and RW-5, groundwater concentrations did not exceed Class GA WQSG for any SVOCs.

5.2 May 2022 Shallow Groundwater

- VOCs were not detected in concentrations exceeding Class GA WQSG in sump samples during the 2022 sampling event.
- SVOC analytes were not detected in concentrations exceeding Class GA WQSG in samples S-1 and S-3. SVOC analytes were detected in concentrations exceeding Class GA WQSG in S-2 and S-4 and are summarized below:
    - Bis (2-ethylhexyl) phthalate concentration in S-2 at 11 µg/L.
    - 2-Methylphenol concentration in S-4 at 12 µg/L.
    - 4-Methylphenol concentration in S-4 at 25 µg/L.
- Pesticides were not detected in concentrations exceeding Class GA WQSG in sump samples during the 2022 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 in S-4 at 4.6 µg/L.
- Concentrations of the metals (iron, manganese, and sodium) exceeded Class GA WQSG in one or more samples. The following shows Class GA WQSG exceedances:
    - Iron concentration in S-1 at 400 µg/L and S-3 at 1,200 µg/L.
    - Manganese concentration in S-1 at 460 µg/L.
    - Sodium concentration in S-2 at 35,000 µg/L, S-3 at 137,000 µg/L, and S-4 at 200,000 µg/L.
- Concentrations of the RCRA-8 listed metals were below Class GA WQSG in all shallow groundwater samples collected in the 2022 sampling event.

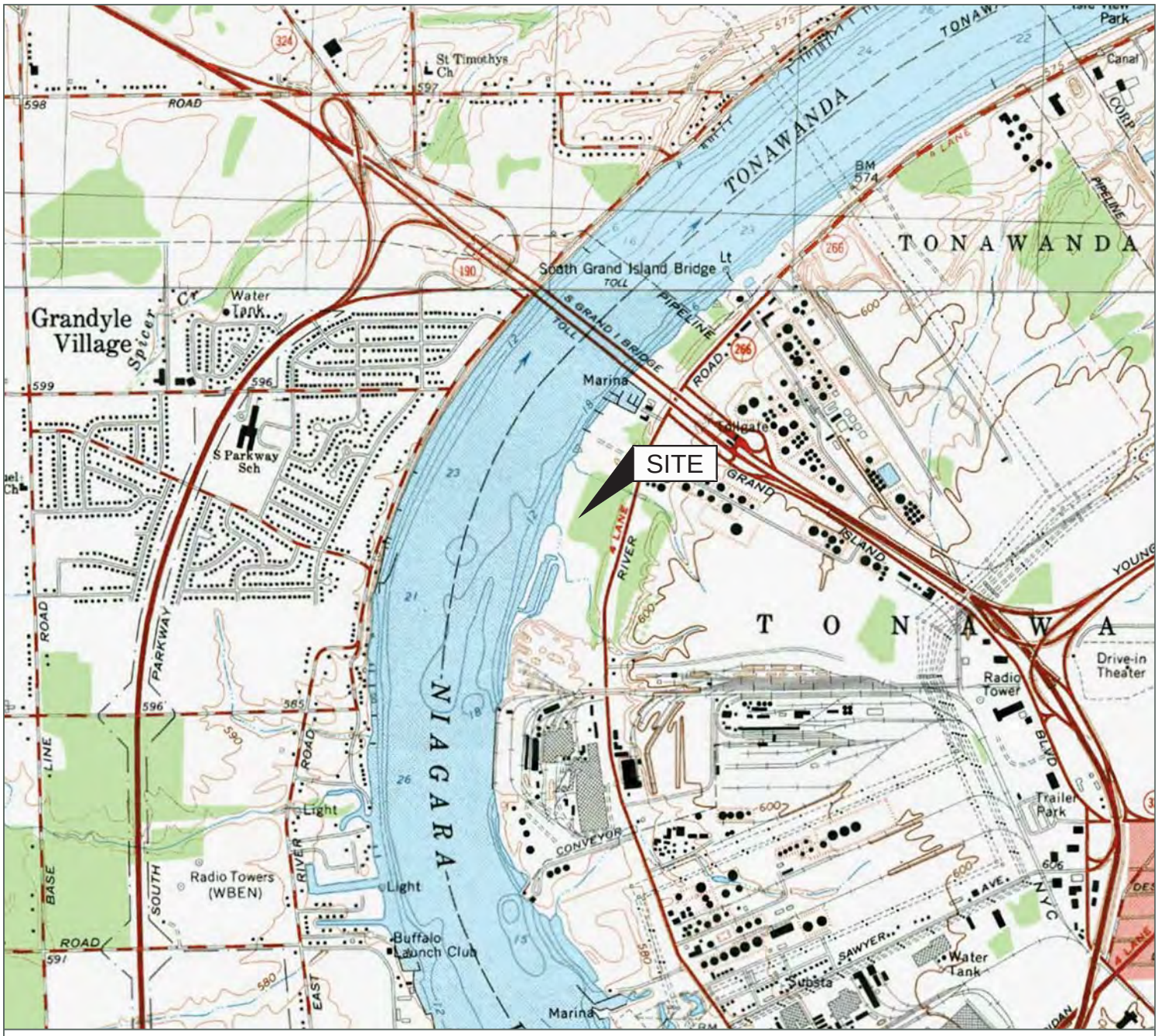
5.3 Other Conclusions/Recommendations

- There was no surface water present in any of the surface water sampling points at the time of the 2022 sampling events.
- No LNAPL was collected or observed in the oil water separator or in any of the collection sumps, recovery wells, observation wells, or the monitoring wells during the 2022 reporting period.
- 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. Shallow groundwater continues to flow west towards the collection trench.
- There were no deficiencies noted during the first three quarterly cap inspections in 2022. The fourth quarter cap inspection identified rutting from equipment utilized for the conveyance line repair work which must be addressed.
    - Routine monthly Site inspections and quarterly cap inspections shall continue to confirm that the engineering controls remains effective.
    - Erosion control is currently installed along the excavation areas, and periodic inspections of the silt socks will continue until the restoration of the cap deficiencies is complete.
    - Cap deficiencies will be addressed in Spring of 2023, with grading and hydroseeding to restabilize the top soil in areas affected by the 2022 conveyance line repair work. Once complete, cap restoration and a summary of the Sump 1-3 conveyance line repair will be documented and reported to the NYSDEC in a letter report.
- For most of 2022 (until December 15, 2022), the system only recovered water from sump S-4. During system operation, the average flow rate for 2022 was approximately 7.29 gpm [which is slightly higher when compared to the average flow rate for 2021 (6.50 gpm)]. The system up-time for 2022 was approximately 94.2%. Approximately 3,608,983 gallons of groundwater were treated and discharged to the Town of Tonawanda Wastewater Treatment Facility during 2022. Based on the annual sampling data from remedial system sump S-4 and the total gallons treated and discharged by the system in 2022, approximately 0.087 pounds of VOCs, 2.528 pounds of SVOCs, less than 0.001 pounds of pesticides, and 0.138 pounds of PCBs were removed in 2022. 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 October sample which indicated a PCB exceedance of the permit limits. In October, a partial carbon change was performed, the system was restarted, and all subsequent discharge samples have been below permit limits. The permit was renewed for the period of 2023 through 2025 in December 2022.

The signed permit for the 2022 period as well as the permit for 2023 through 2025 are 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.
- In November 2022, the Sump 1-3 conveyance line was partially excavated and replaced with new piping. Line jetting was used to clean the sections of pipe entering the sumps and the building. Work was performed in accordance with Work Plan for Sump 1-3 Conveyance Line Excavation and Replacement, dated April 7, 2022. The system has operated with sumps 1, 2, 3, and 4 operating normally since the line was replaced on December 15, 2022. The repair work has remedied the problem and newly installed clean-outs will be used to access the line for preventative maintenance moving forward.
- PRRs will be submitted on an annual basis.

Figures



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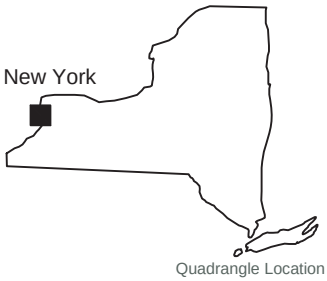

Site Location Map

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

Drawn
W.G.S.
Designed

Approved

Date
5/15/18
Figure
1

N

Scale In Feet
0 2000

GES
Groundwater & Environmental Services, Inc.

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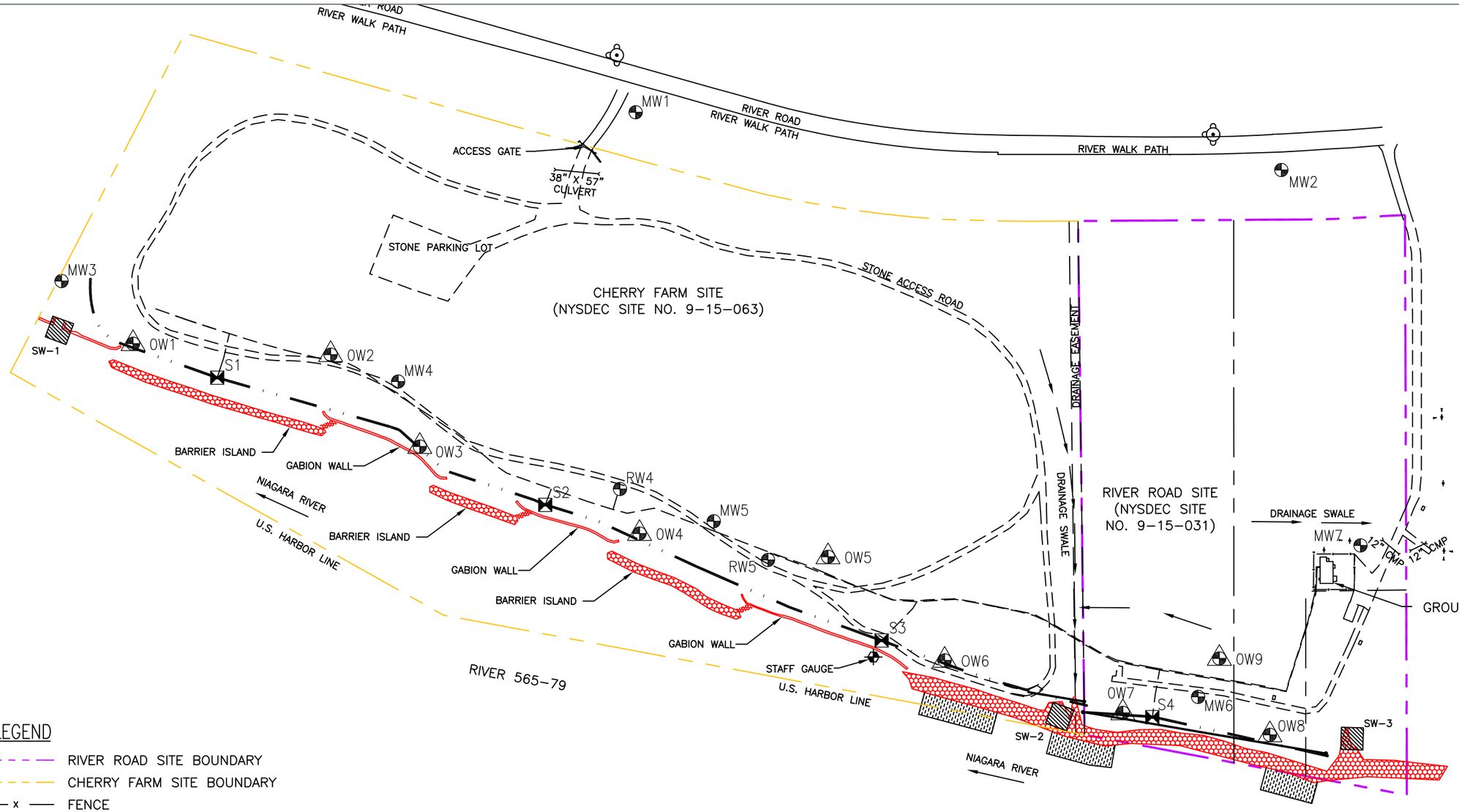


LEGEND

- 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 8/4/22
Figure 2

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 3.1a

Monitoring Well Concentrations - Total VOCs

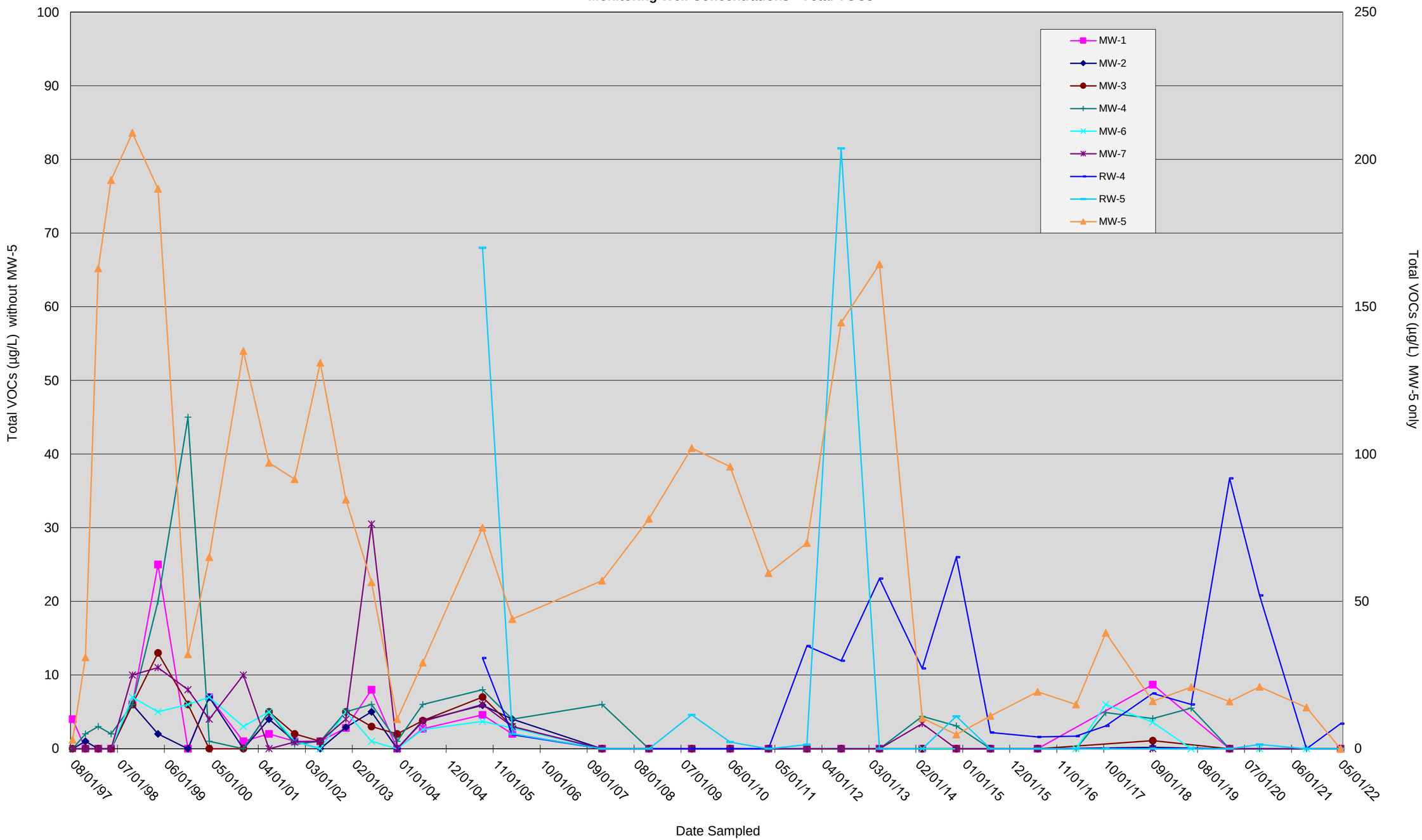


Figure 3.1b

Monitoring Well Concentrations - Total SVOCs

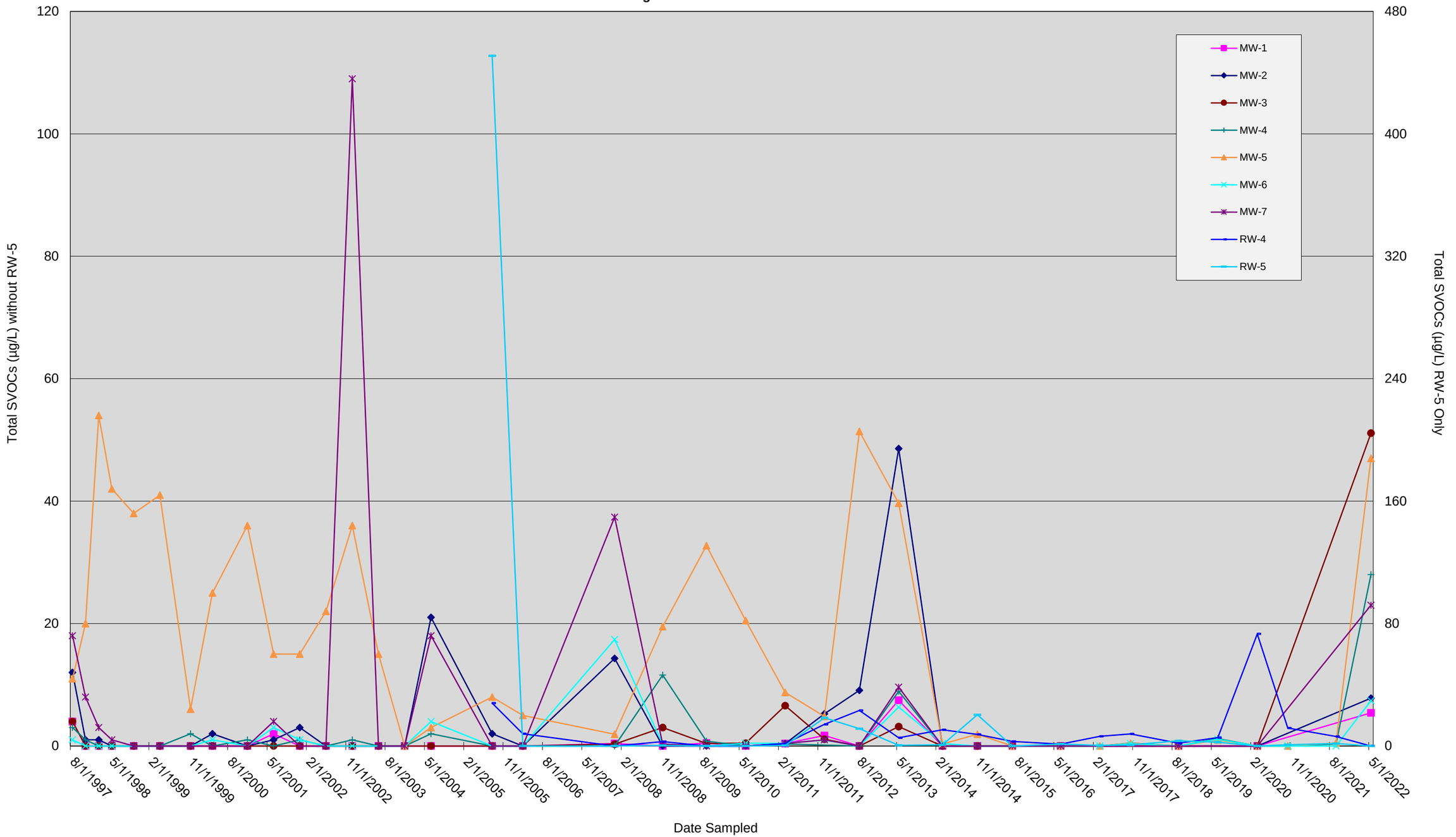


Figure 3.1c

Sump Concentrations - Total VOCs

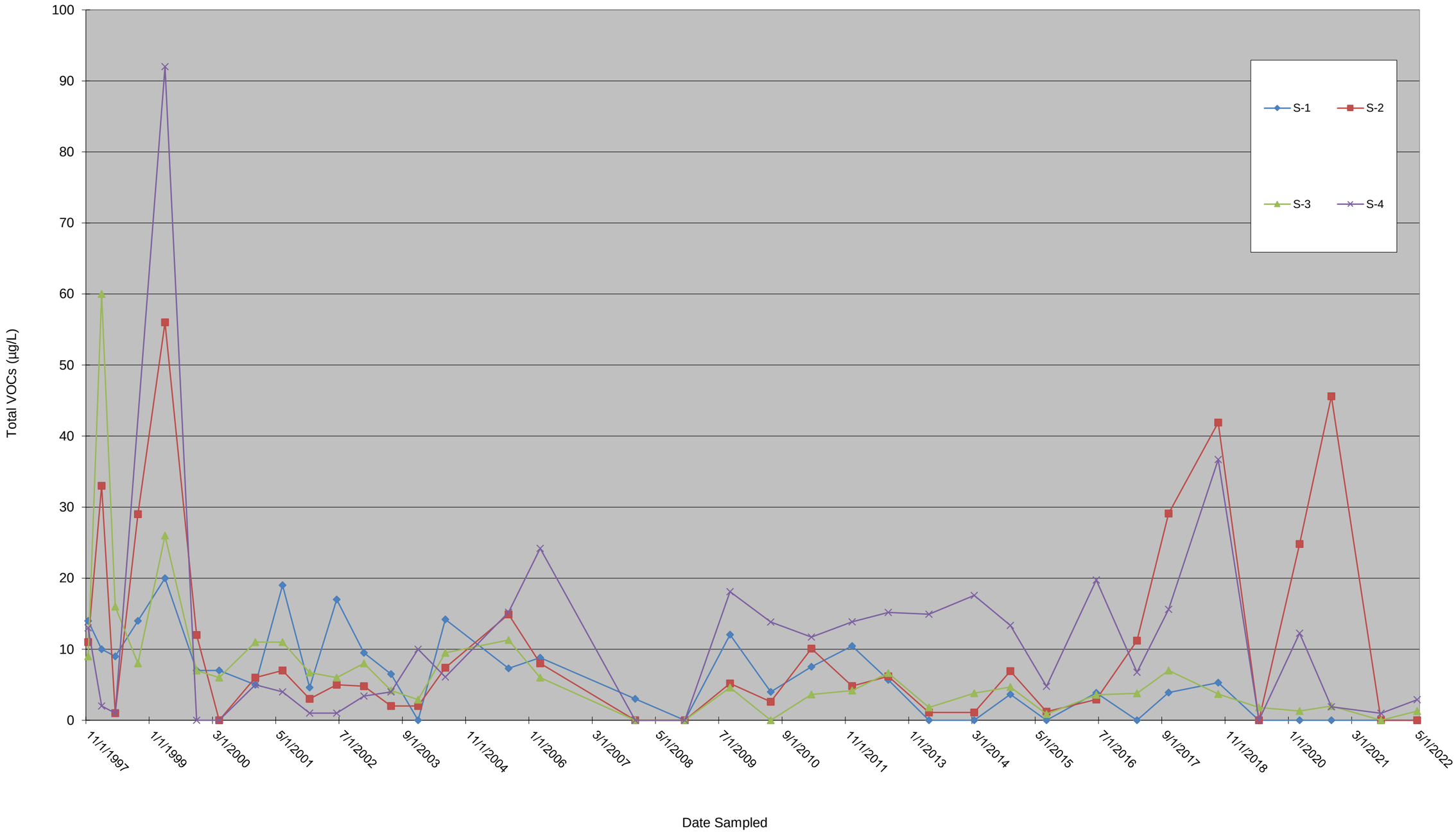


Figure 3.1d

Sump Concentrations - Total SVOCs

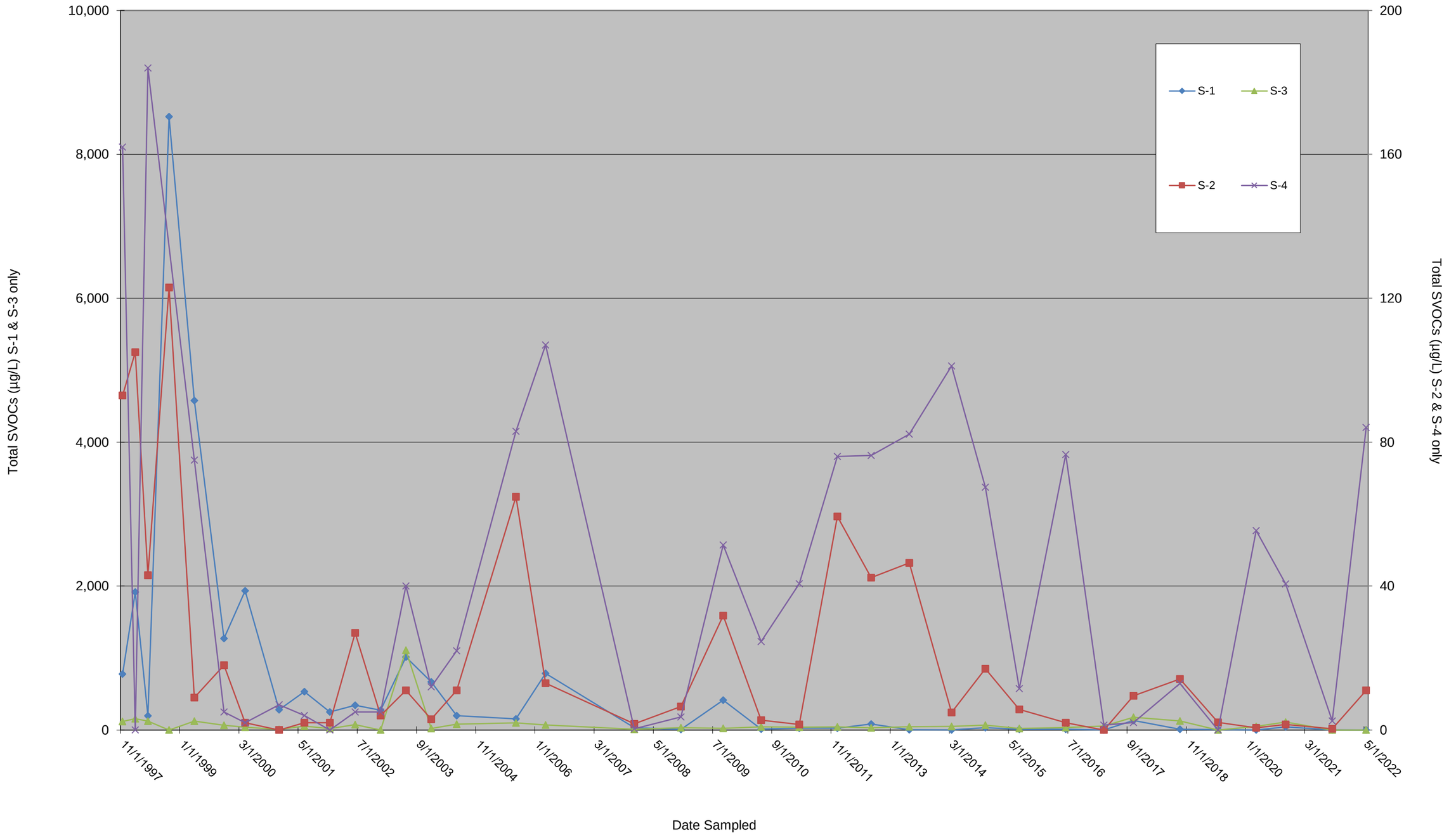


Figure 3.1e

Sump Concentrations - Total PCBs

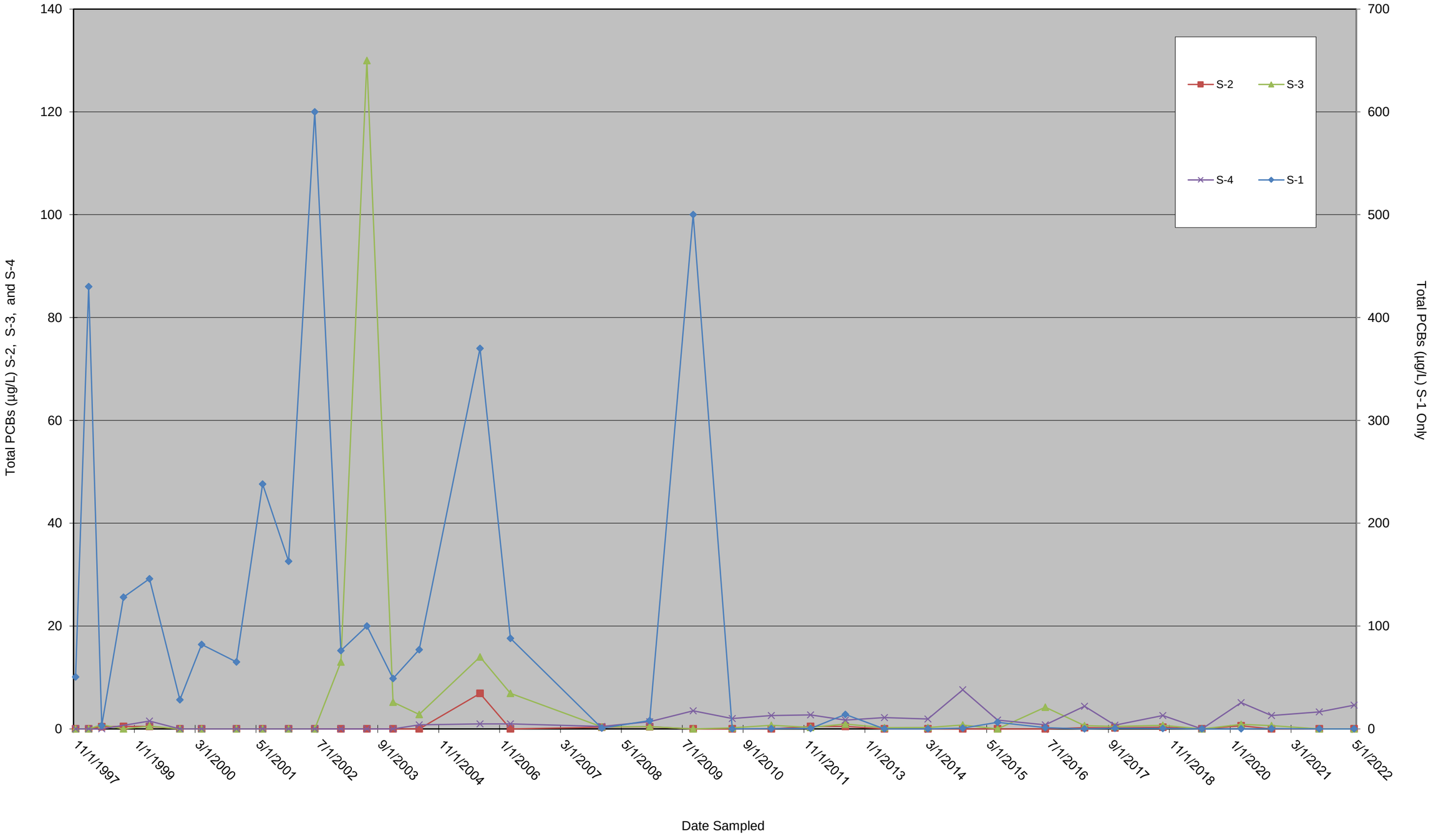


Figure 3.1f

Sump Concentrations - Total Pesticides

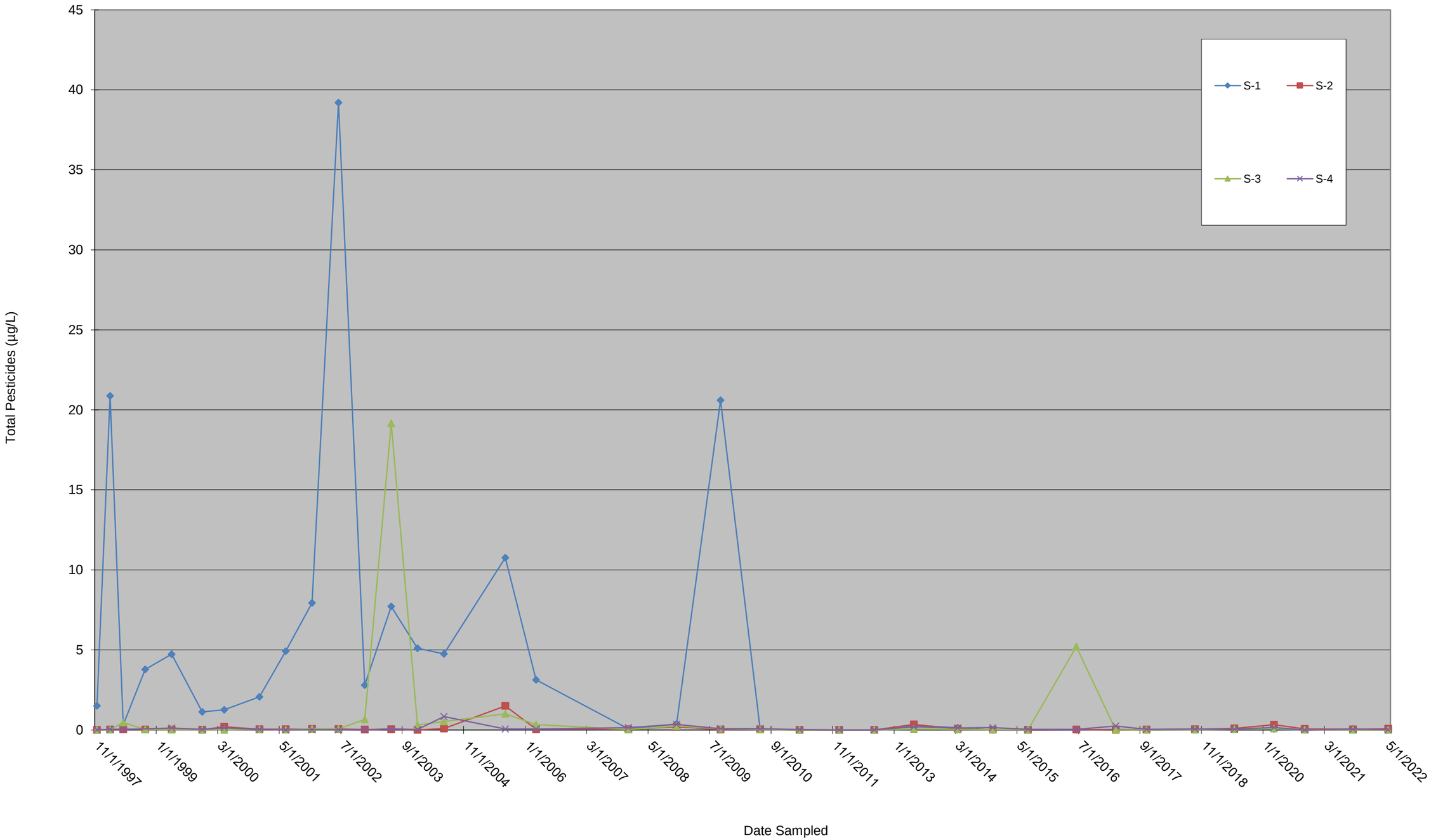


Figure 3.1g

Sump Concentrations - Total 8-RCRA Metals

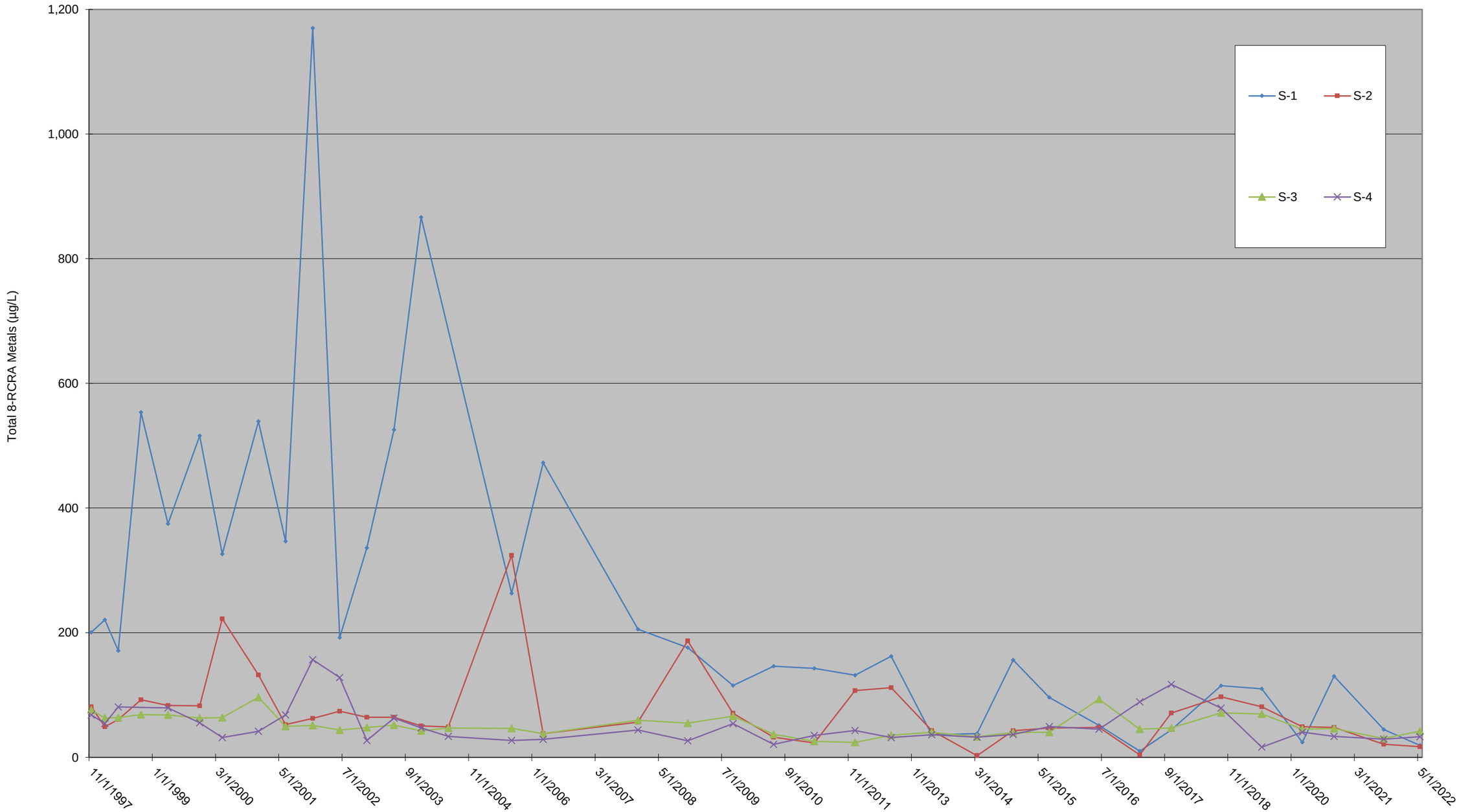


Figure 3.2a

Monitoring Well Trends - Total VOCs

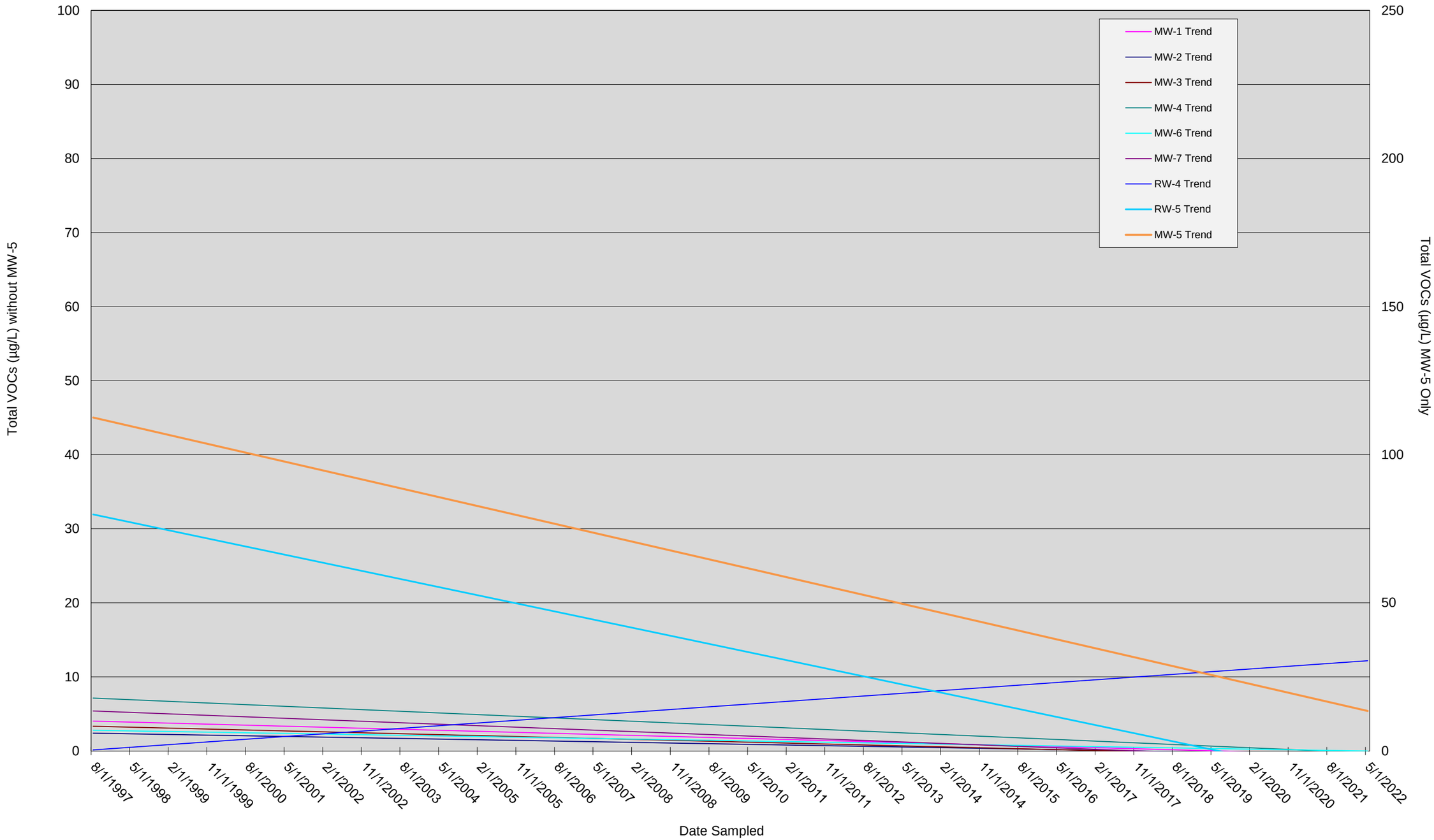


Figure 3.2b

Monitoring Well Trends - Total SVOCs

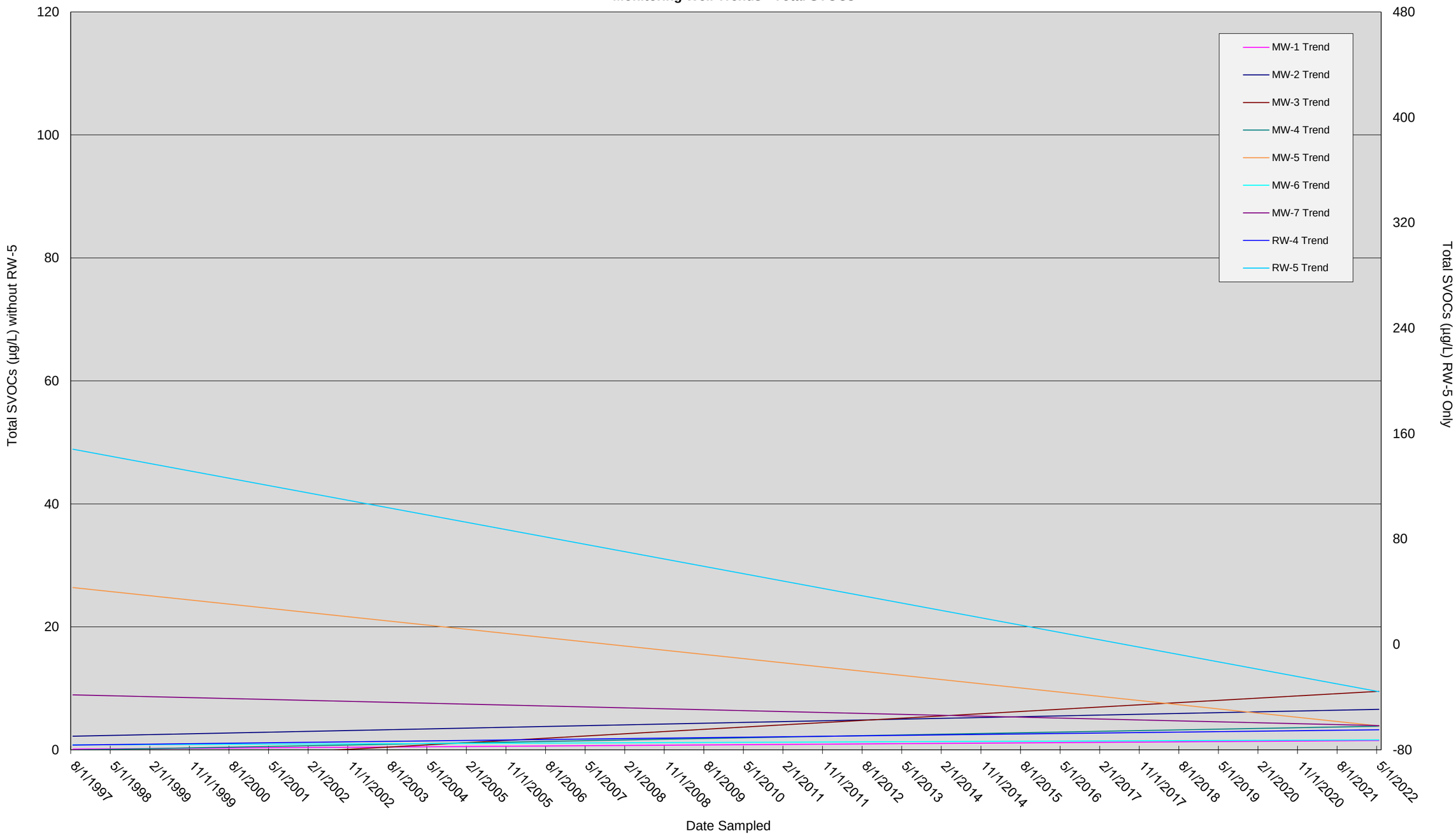


Figure 3.2c

Sump Trends - Total VOCs

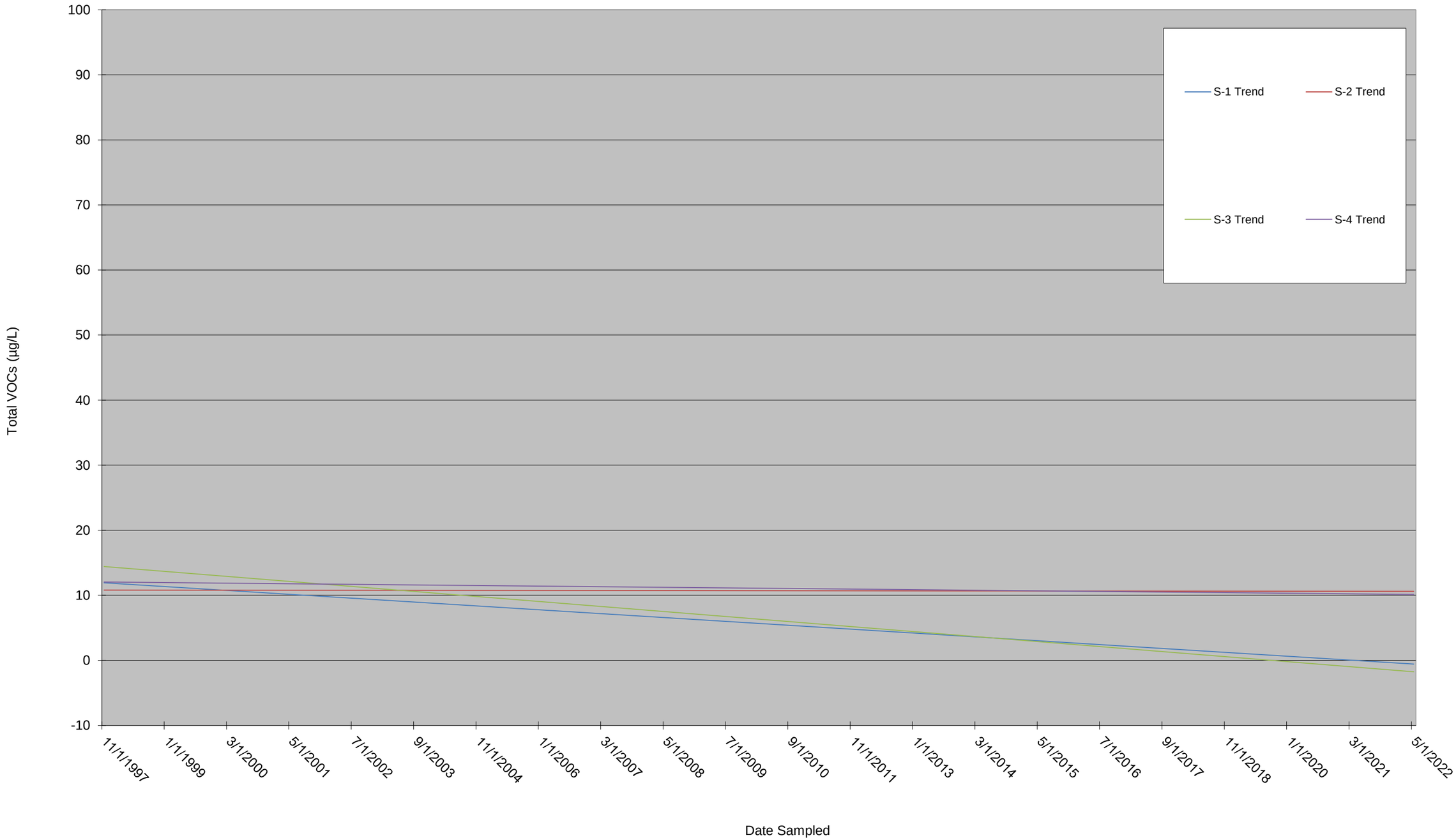


Figure 3.2d

Sump Trends - Total SVOCs

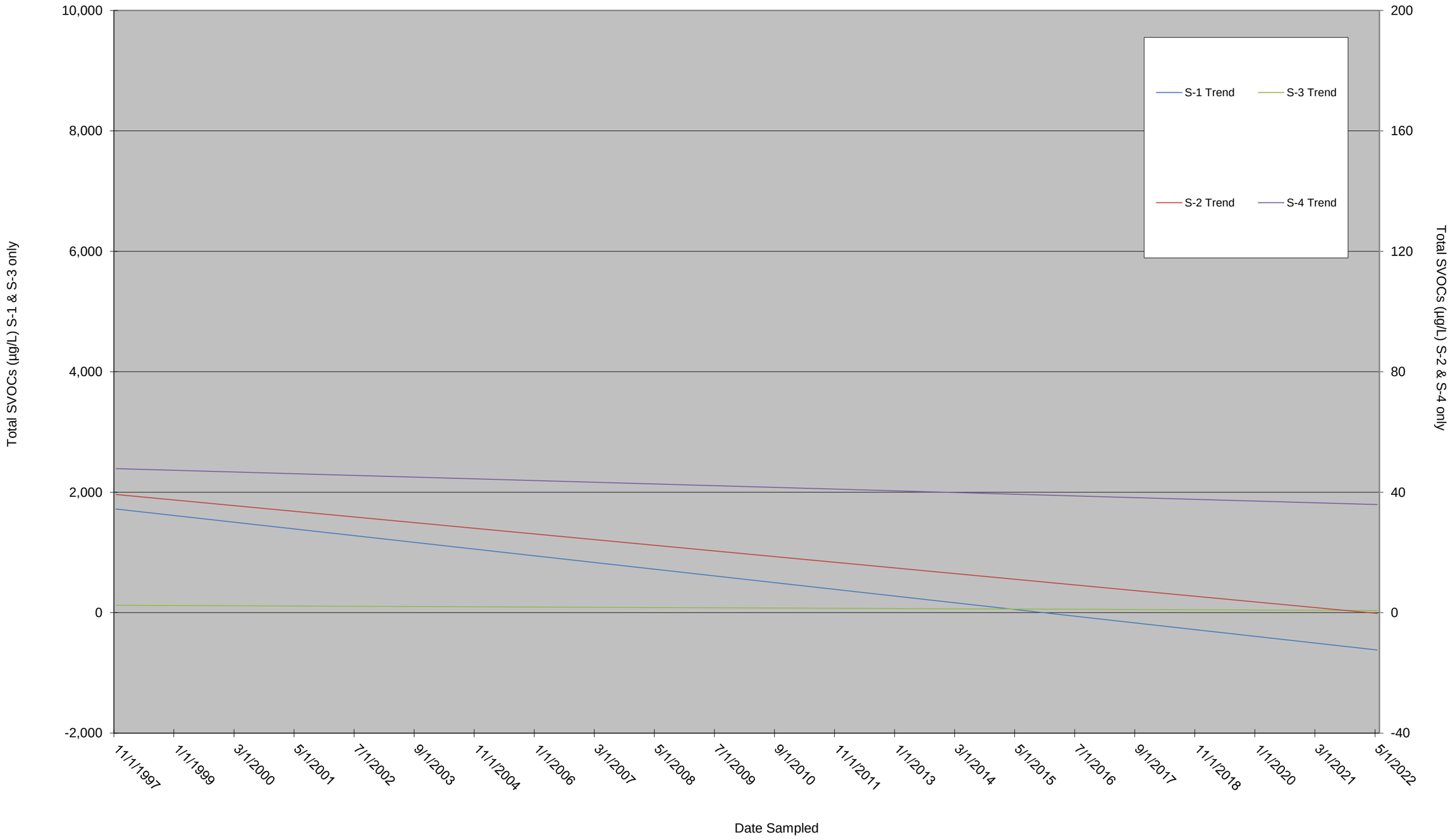


Figure 3.2e

Sump Trends - Total PCBs

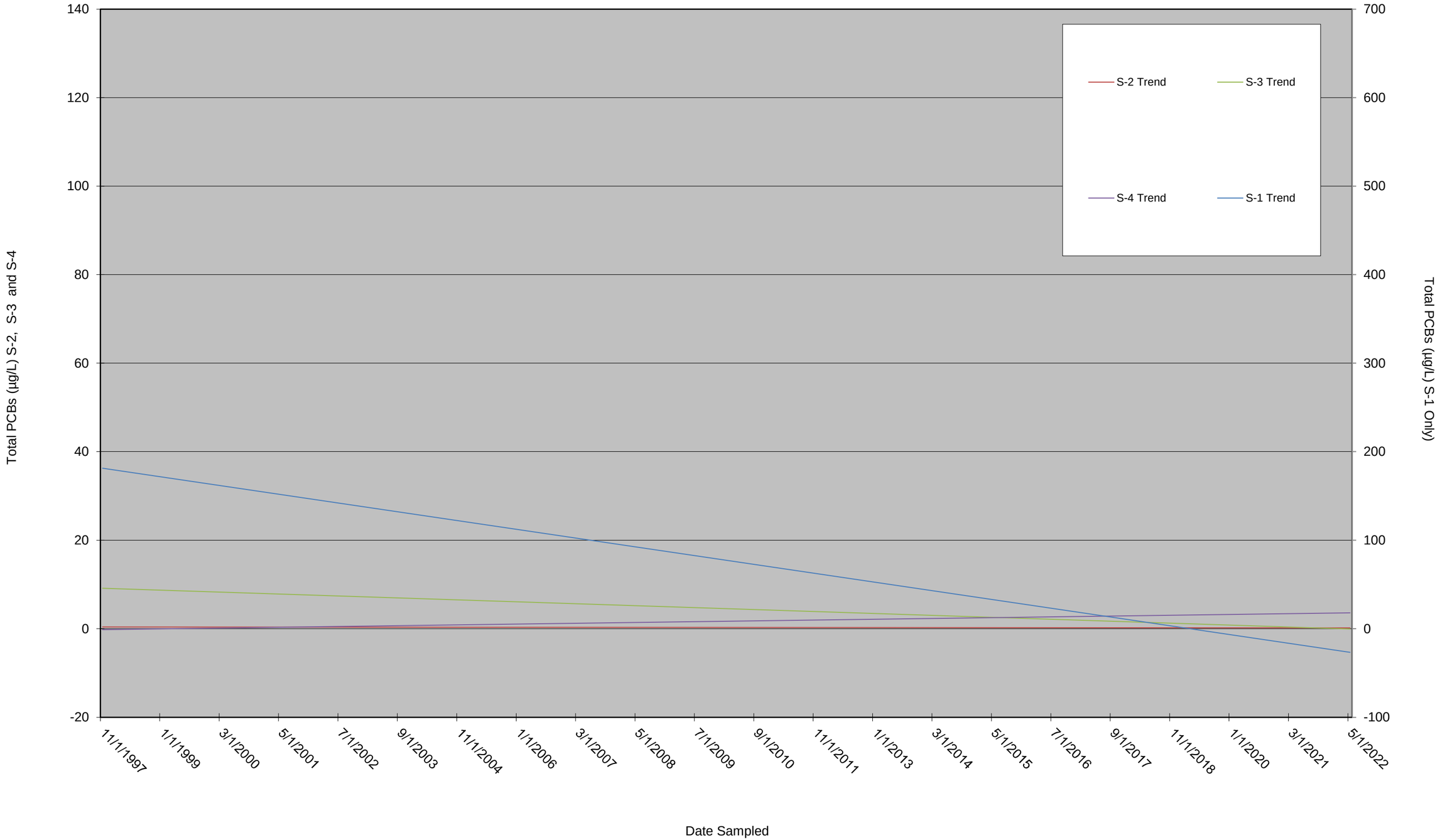
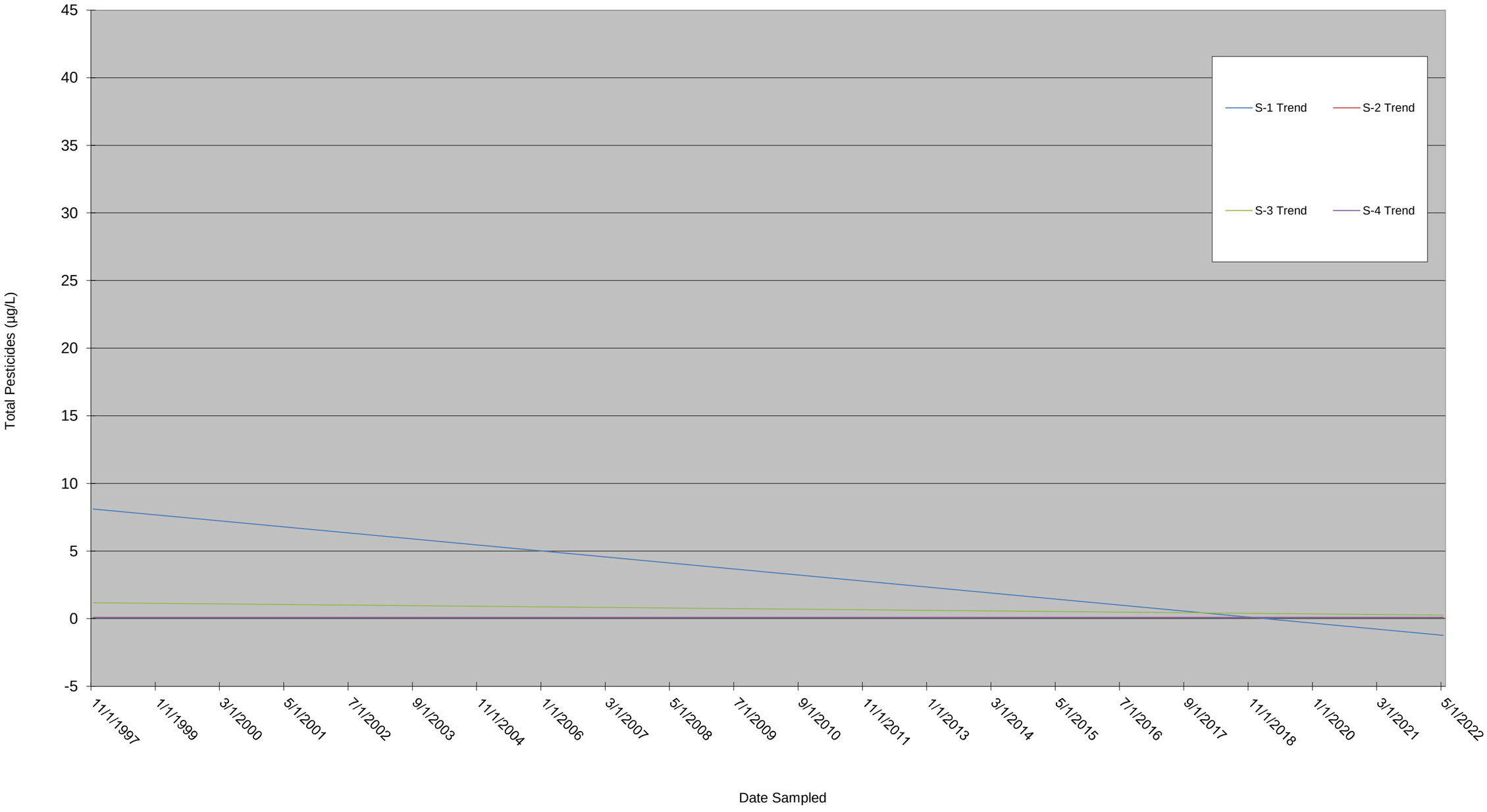


Figure 3.2f

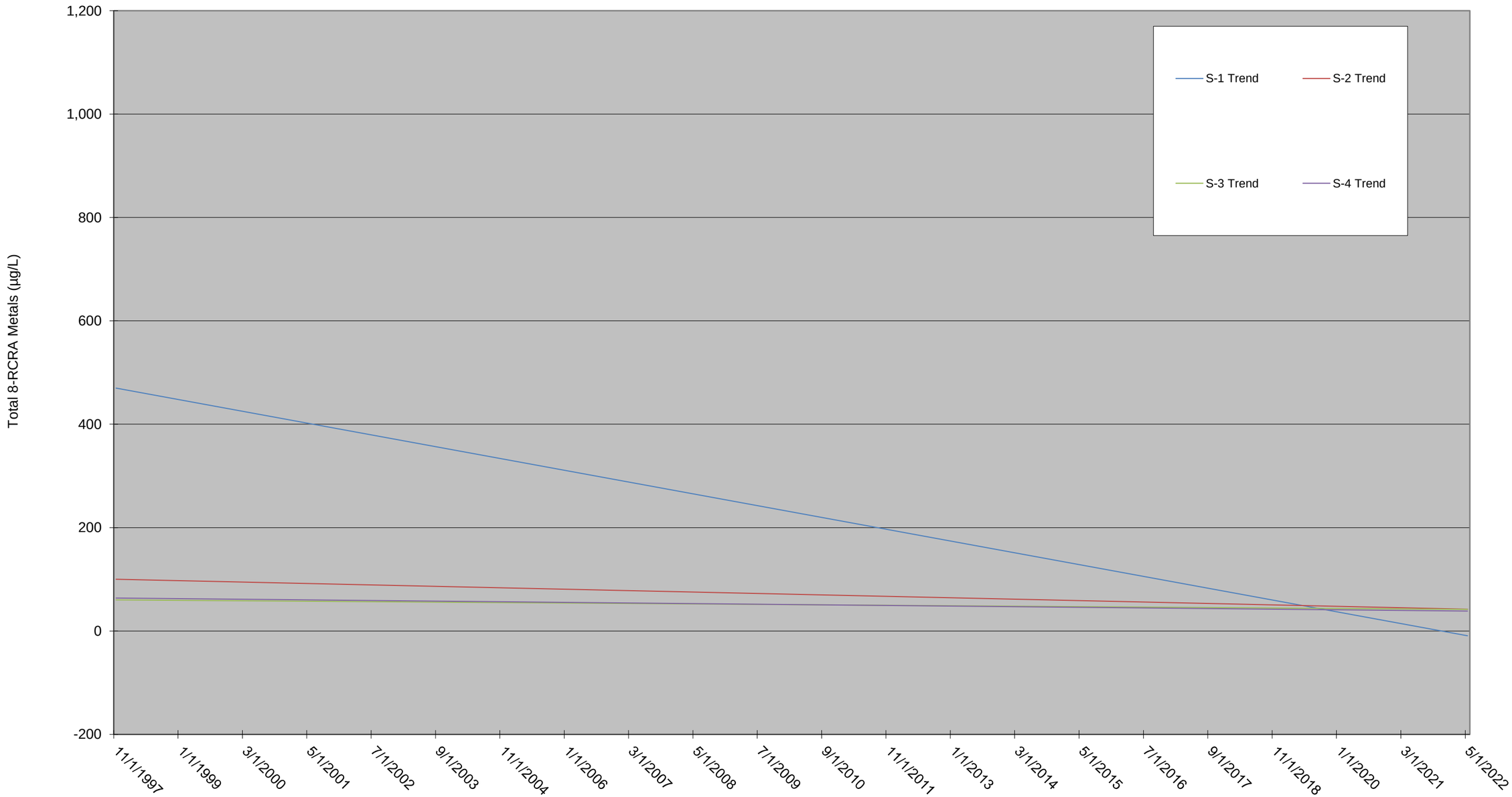
Sump Trends - Total Pesticides

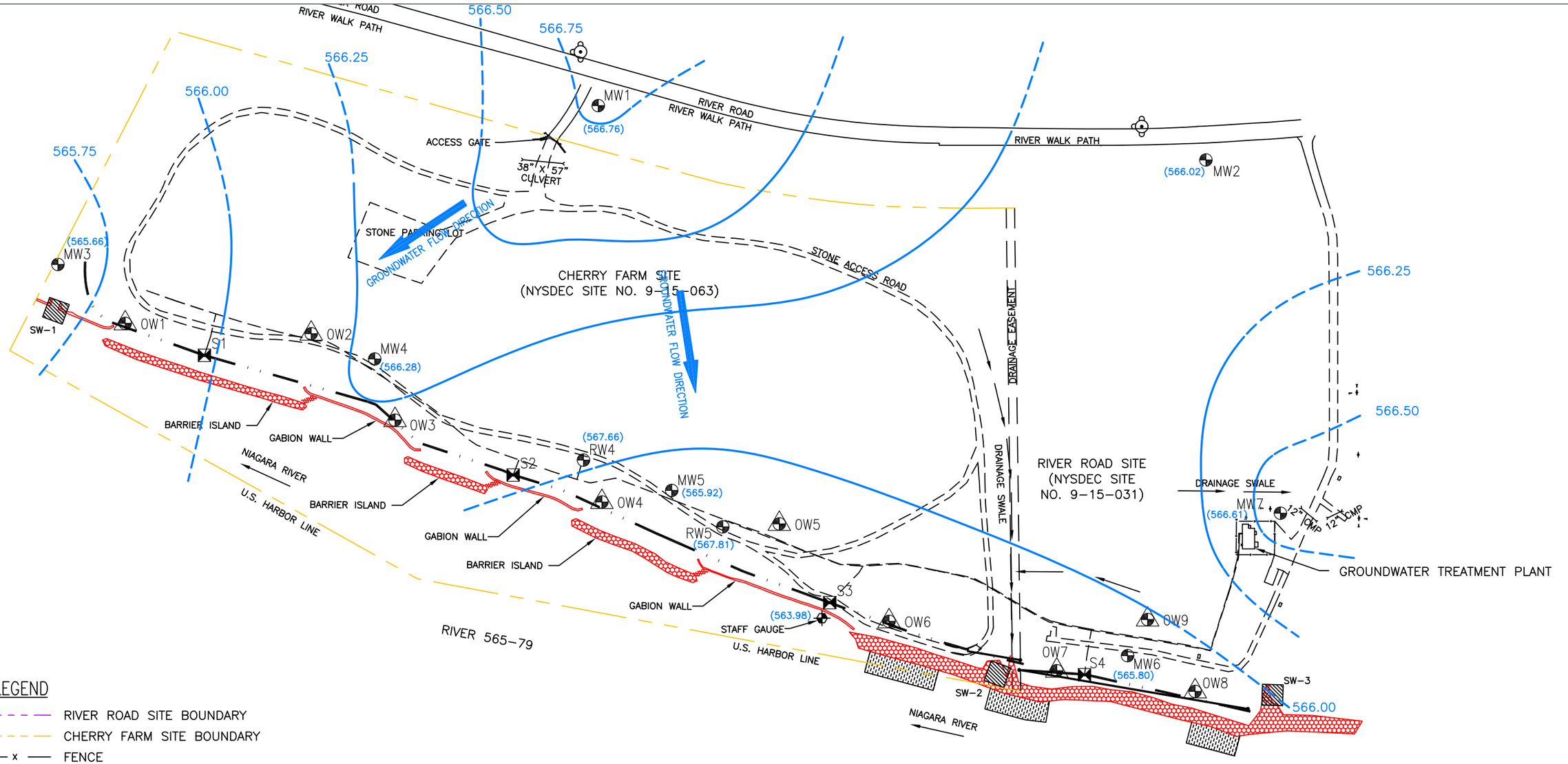


Note: Sumps S-2 and S-4 were always historically non-detect for Pesticides. Therefore, the trend line is identical along the X-asis and the individual trend lines are not visible.

Figure 3.2g

Sump Trends - Total 8-RCRA Metals





LEGEND

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (567.81) 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 10, 2022

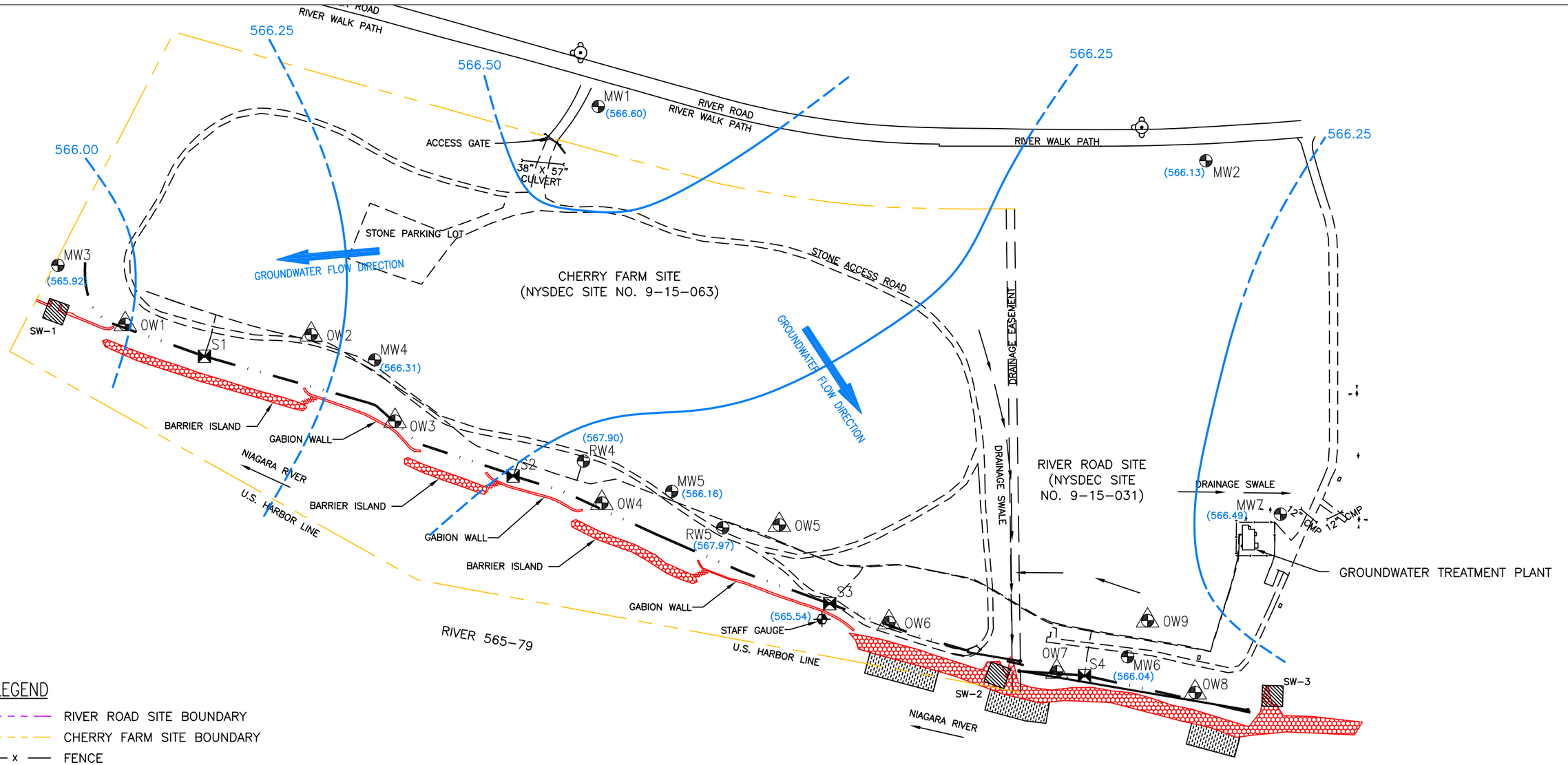
Cherry Farm
(River Road Site)
4100 River Road
Tonawanda, New York

Drawn W.G.S.
Designed
Approved
Date 2/8/23
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

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (567.97) GROUNDWATER ELEVATION (feet NGVD)
- GROUNDWATER CONTOUR (feet NGVD) DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929

NOTE:

RW4 AND RW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
June 24, 2022

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

Drawn W.G.S.
Designed
Approved
Date 2/6/23
Figure 3.3b

Scale In Feet
0 250

Groundwater & Environmental Services, Inc.

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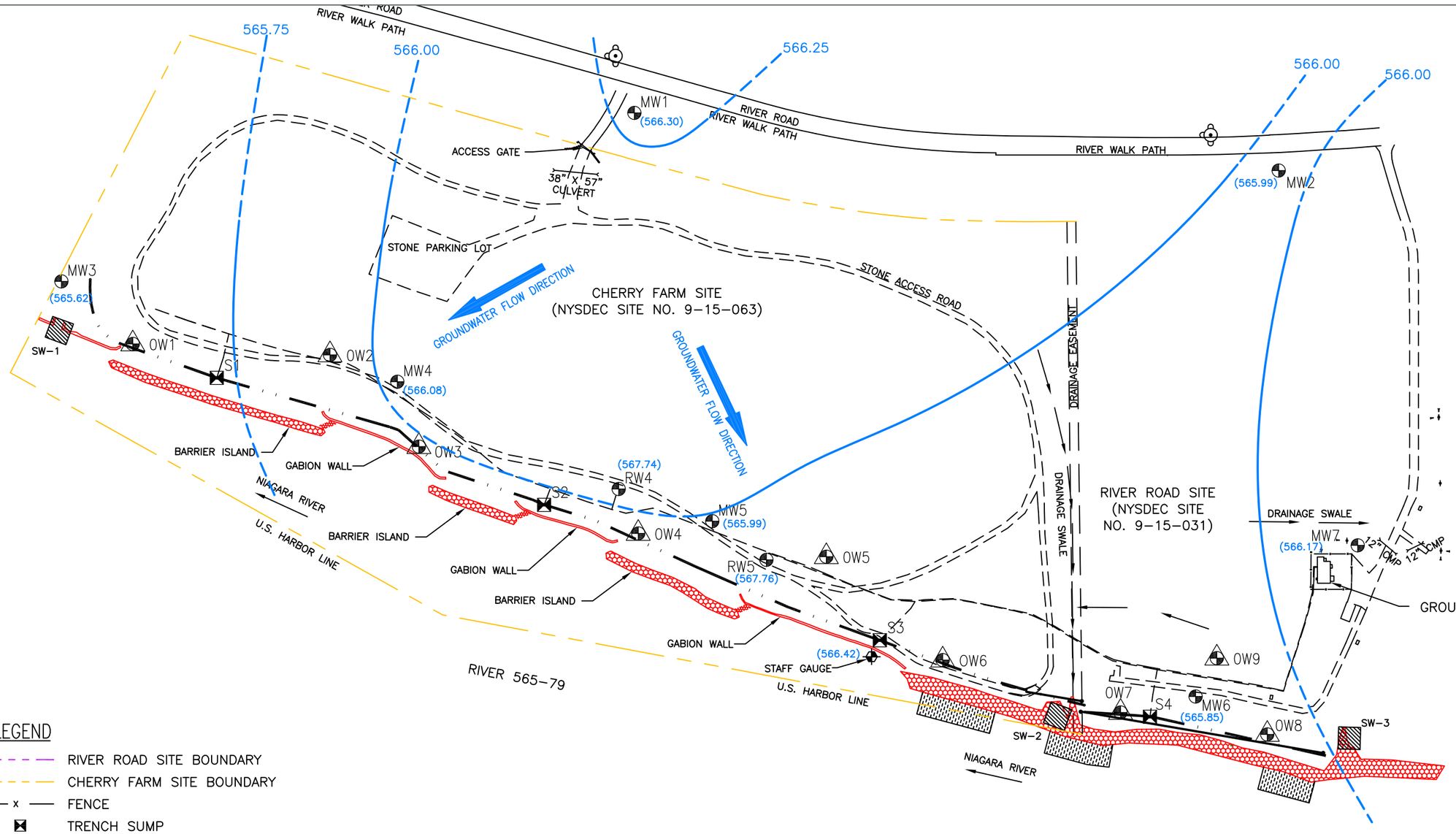


LEGEND

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (567.76) GROUNDWATER ELEVATION (feet NGVD)
- GROUNDWATER CONTOUR (feet NGVD) DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929

NOTES:

RW4 AND RW5 WERE NOT USED TO GENERATE GROUNDWATER CONTOURS.

STAFF GAUGE WAS NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
September 2, 2022

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

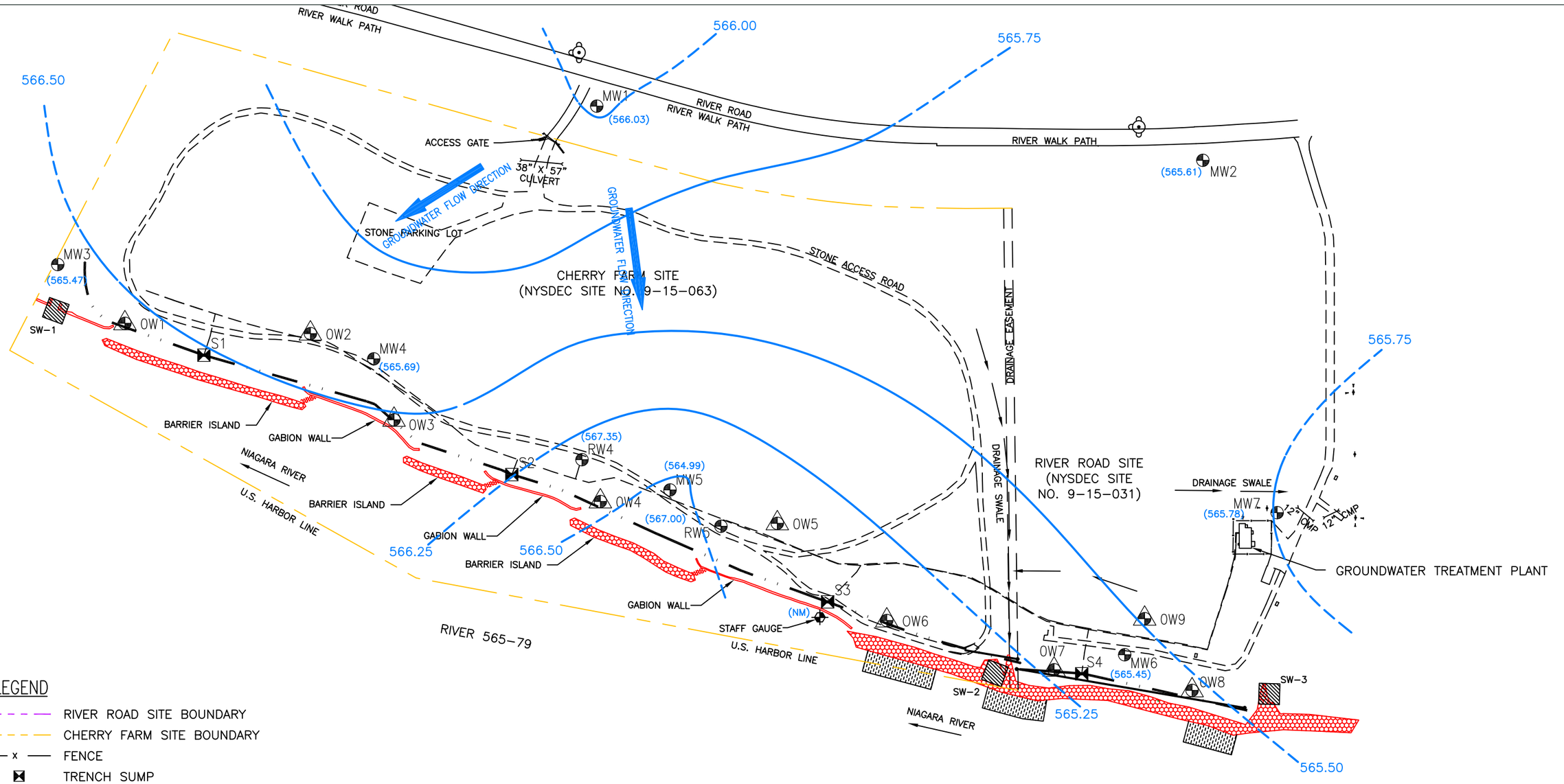
Drawn W.G.S.
Designed
Approved

Date 2/8/23
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

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (567.00) 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 7, 2022

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

Drawn W.G.S.
Designed
Approved

Date 2/8/23
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

RIVER ROAD
RIVER WALK PATH
RIVER ROAD
RIVER WALK PATH
RIVER WALK PATH
MW1
MW2
ACCESS GATE
38" X 57" CULVERT
STONE PARKING LOT
STONE ACCESS ROAD
CHERRY FARM SITE
(NYSDEC SITE NO. 9-15-063)
568.00
569.00
570.00
MW3
SW-1
(566.44)
OW1
S1
(569.97)
(570.59)
OW2
GROUNDWATER FLOW DIRECTION
MW4
567.00
BARRIER ISLAND
GABION WALL
(569.13)
OW3
NIAGARA RIVER
U.S. HARBOR LINE
RW4
S2
569.00
(569.21)
BARRIER ISLAND
MW5
OW4
(567.07)
568.00
GABION WALL
(569.39)
OW5
RW5
BARRIER ISLAND
GABION WALL
S3
(569.37)
(563.98)
STAFF GAUGE
(569.06)
OW6
RIVER 565-79
U.S. HARBOR LINE
DRAINAGE EASEMENT
DRAINAGE SWALE
RIVER ROAD SITE
(NYSDEC SITE NO. 9-15-031)
GROUNDWATER FLOW DIRECTION
DRAINAGE SWALE
MW7
12" CMP
12" CMP
570.00
GROUNDWATER TREATMENT PLANT
569.00
568.00
(569.99)
OW9
OW7
S4
(568.38)
MW6
OW8
(567.39)
SW-3
SW-2
(569.43)
NIAGARA RIVER

LEGEND

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (570.59) GROUNDWATER ELEVATION (feet NGVD)
- GROUNDWATER CONTOUR (feet NGVD) DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929

Groundwater Contour Map
(Shallow)
March 10, 2022

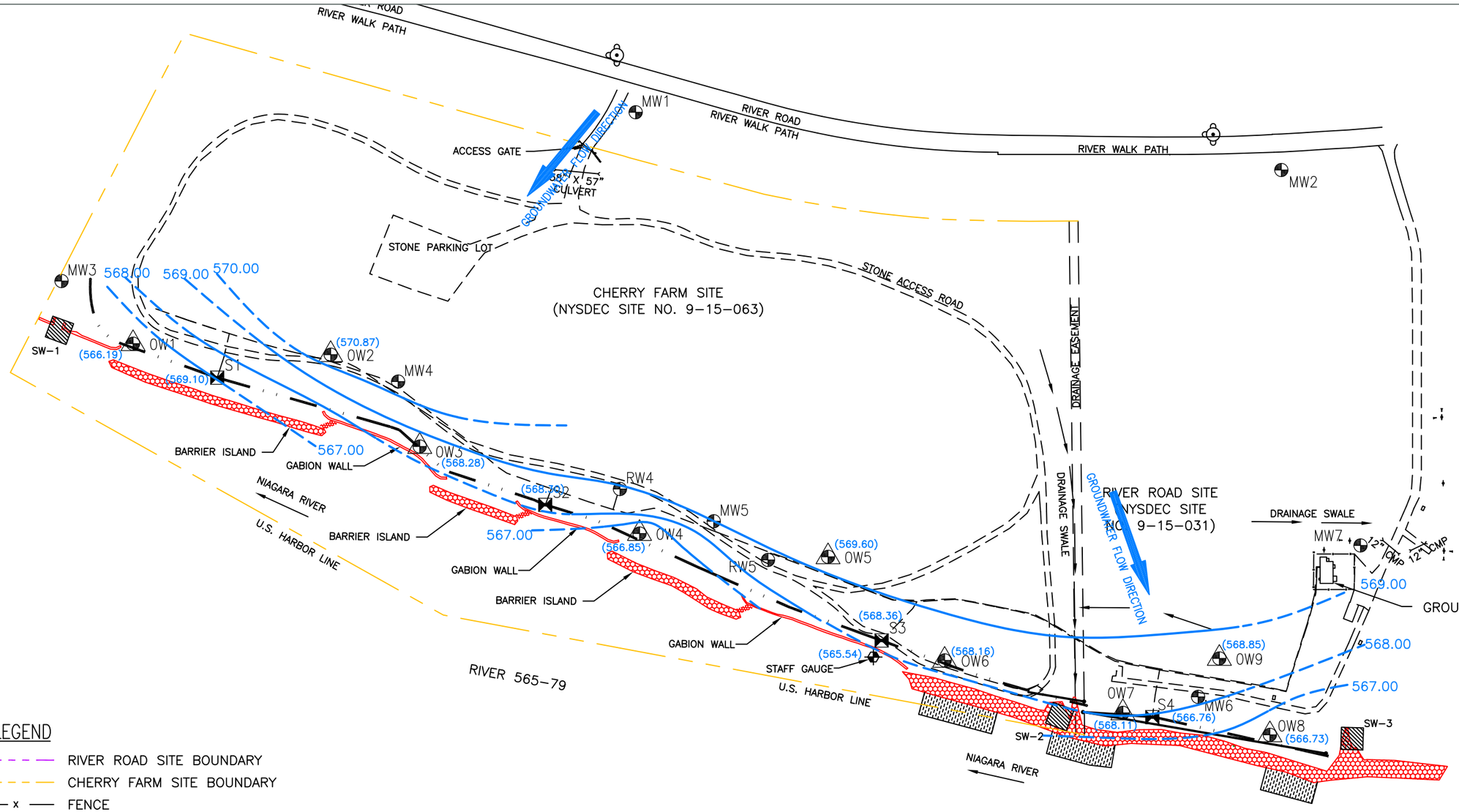
Cherry Farm
(River Road Site)
4100 River Road
Tonawanda, New York

Drawn W.G.S.
Designed
Approved
Date 2/8/23
Figure 3.3e

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

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (570.87) GROUNDWATER ELEVATION (feet NGVD)
- GROUNDWATER CONTOUR (feet NGVD) DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929
- NM NOT MEASURED

NOTE:

S1 WAS NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
(Shallow)
June 24, 2022

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

Drawn W.G.S.
Designed
Approved
Date 2/6/23
Figure 3.3f

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

RIVER ROAD
RIVER WALK PATH
MW1
RIVER ROAD
RIVER WALK PATH
RIVER WALK PATH
MW2
ACCESS GATE
38" X 57" CULVERT
GROUNDWATER FLOW DIRECTION
STONE PARKING LOT
STONE ACCESS ROAD
CHERRY FARM SITE
(NYSDEC SITE NO. 9-15-063)
MW3
569.00
570.00
568.00
567.00
566.00
SW-1
(565.87)
OW1
S1
(568.25)
(570.48)
OW2
MW4
BARRIER ISLAND
GABION WALL
(567.21)
OW3
NIAGARA RIVER
U.S. HARBOR LINE
RW4
S2
MW5
(567.24)
OW4
(566.34)
(568.74)
OW5
RW5
BARRIER ISLAND
GABION WALL
BARRIER ISLAND
GABION WALL
S3
(567.26)
STAFF GAUGE
(566.42)
OW6
(567.06)
RIVER 565-79
U.S. HARBOR LINE
DRAINAGE EASEMENT
DRAINAGE SWALE
GROUNDWATER FLOW DIRECTION
RIVER ROAD SITE
(NYSDEC SITE
O. 9-15-031)
DRAINAGE SWALE
MW7
(566.81)
12" CMP
12" CMP
568.00
GROUNDWATER TREATMENT PLANT
OW9
(567.81)
567.00
OW7
S4
MW6
(566.01)
OW8
SW-3
SW-2
(566.87)
(565.43)
NIAGARA RIVER
566.00

LEGEND

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (570.48) GROUNDWATER ELEVATION (feet NGVD)
- GROUNDWATER CONTOUR (feet NGVD) DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929
- NM NOT MEASURED

Groundwater Contour Map
(Shallow)
September 2, 2022

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

Drawn
W.G.S.
Designed

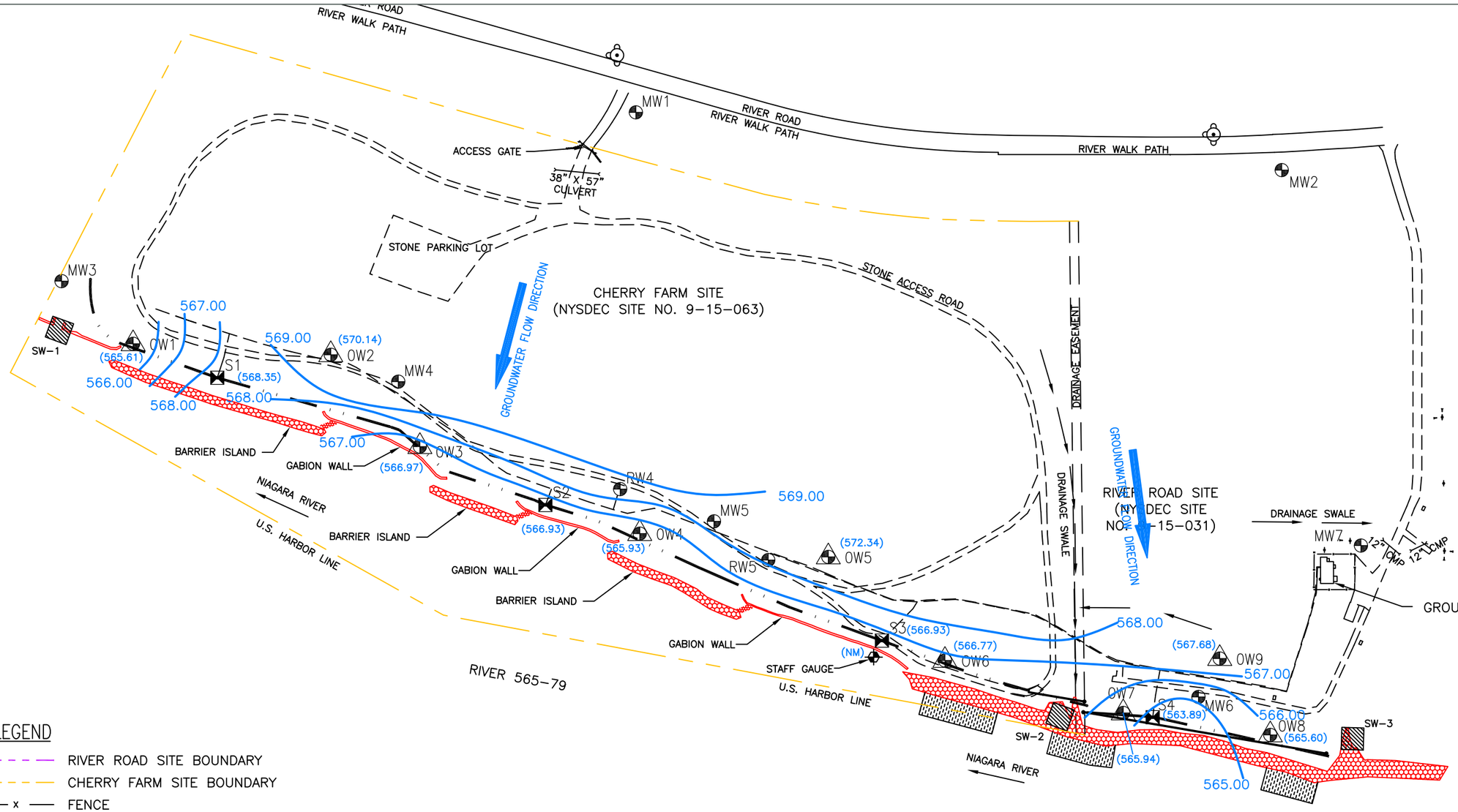
Approved

Date
2/8/23
Figure
3.3g

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

- RIVER ROAD SITE BOUNDARY
- CHERRY FARM SITE BOUNDARY
- FENCE
- TRENCH SUMP
- MONITORING WELL
- OBSERVATION WELL
- SHALLOW GROUNDWATER TRENCH
- GROUNDWATER CONVEYANCE PIPING
- (570.14) GROUNDWATER ELEVATION (feet NGVD)
- GROUNDWATER CONTOUR (feet NGVD) DASHED WHERE INFERRED
- NGVD NATIONAL GEODETIC VERTICAL DATUM 1929

NOT MEASURED

NOTE:

OW5 WAS NOT USED TO GENERATE GROUNDWATER CONTOURS.

Groundwater Contour Map
(Shallow)
November 7, 2022

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

Drawn W.G.S.
Designed
Approved
Date 2/8/23
Figure 3.3h

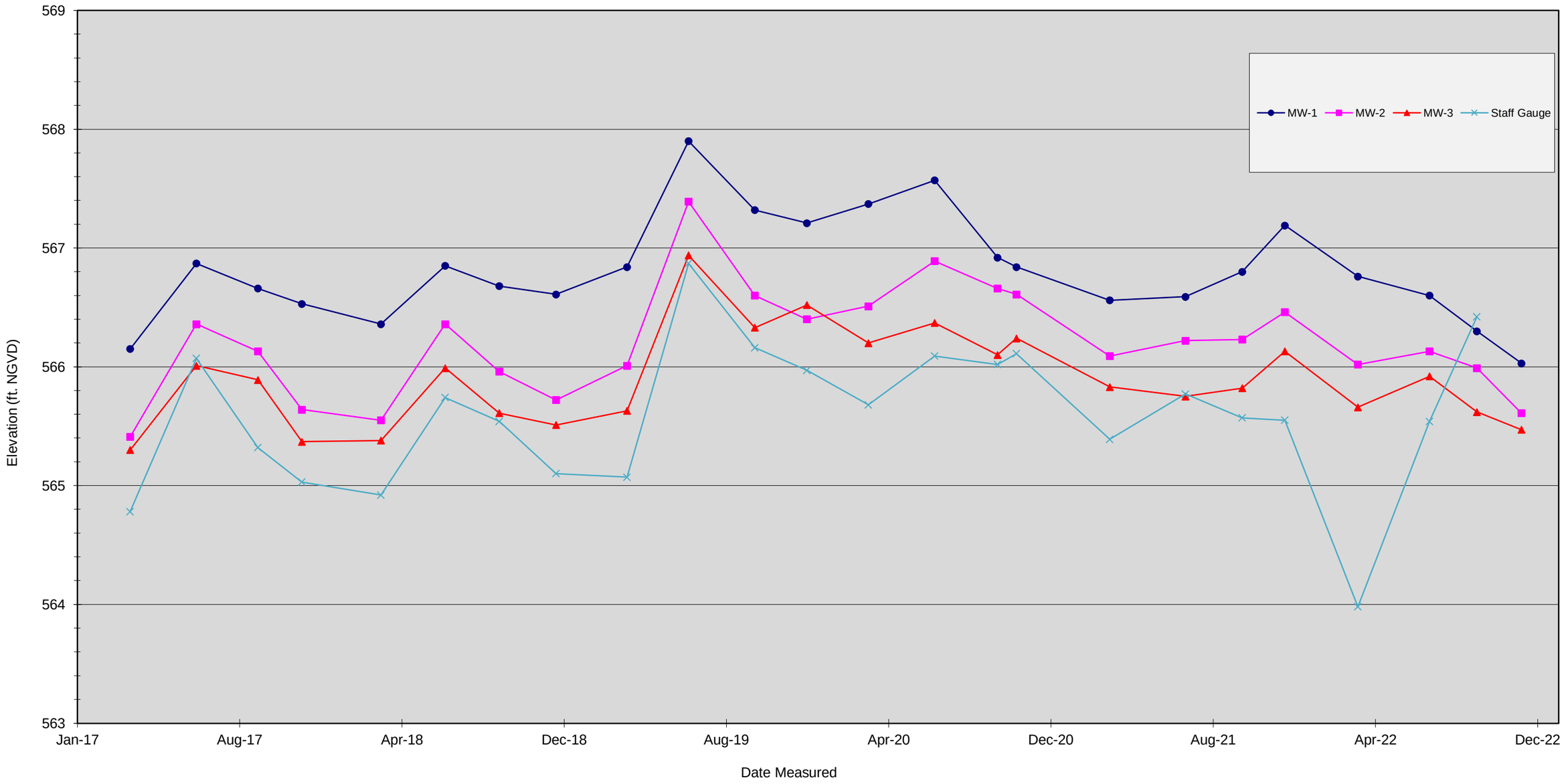
Scale In Feet
0 250

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 (2017-2022) MW-1, MW-2, MW-3, and Staff Gauge

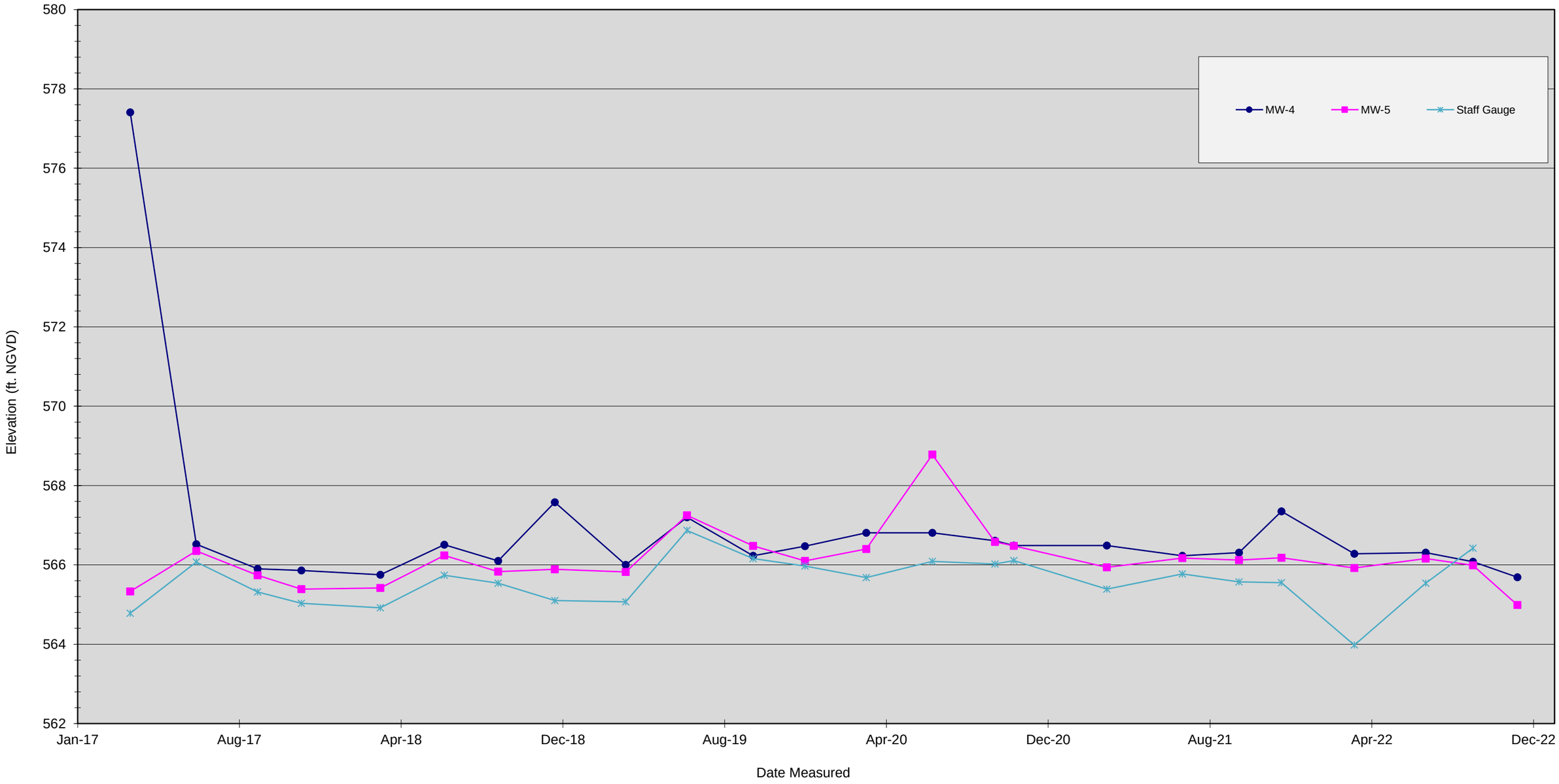


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.4b

Monitoring Well Hydrograph (2017-2022) MW-4, MW-5 and Staff Gauge

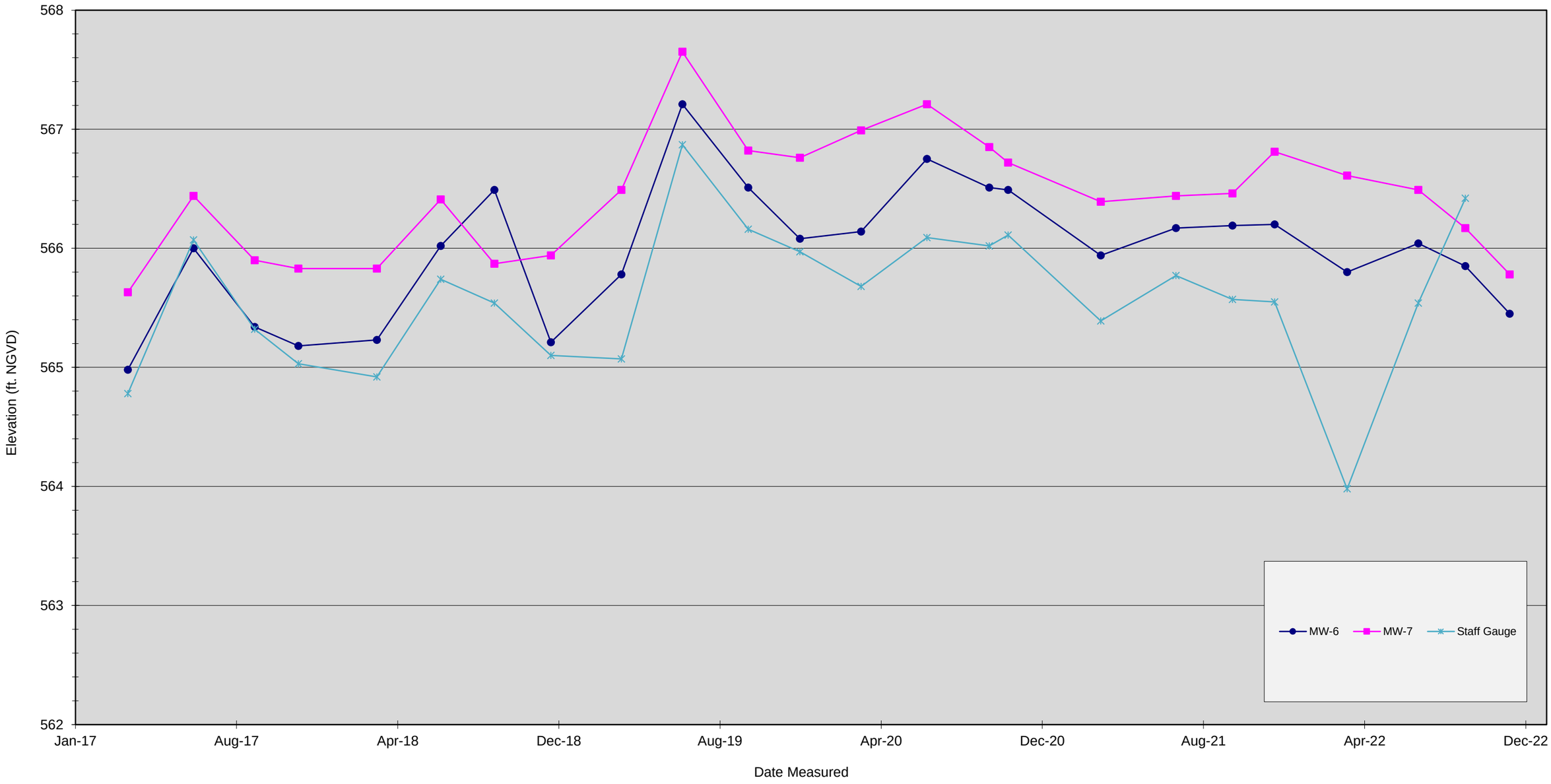


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.4c

Monitoring Well Hydrograph (2017-2022) MW-6, MW-7 and Staff Gauge

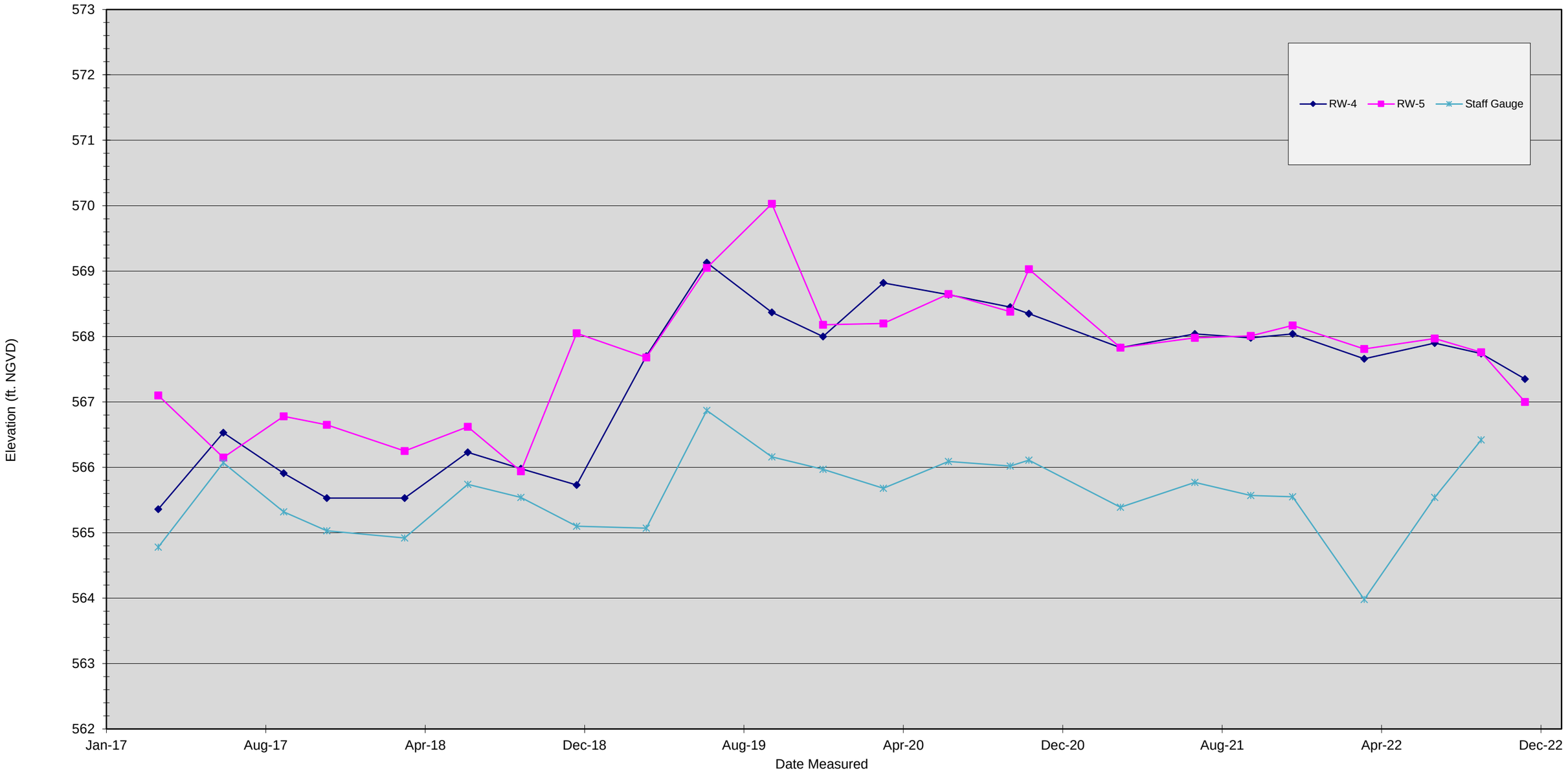


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.4d

Monitoring Well Hydrograph (2017-2022) RW-4, RW-5 and Staff Gauge

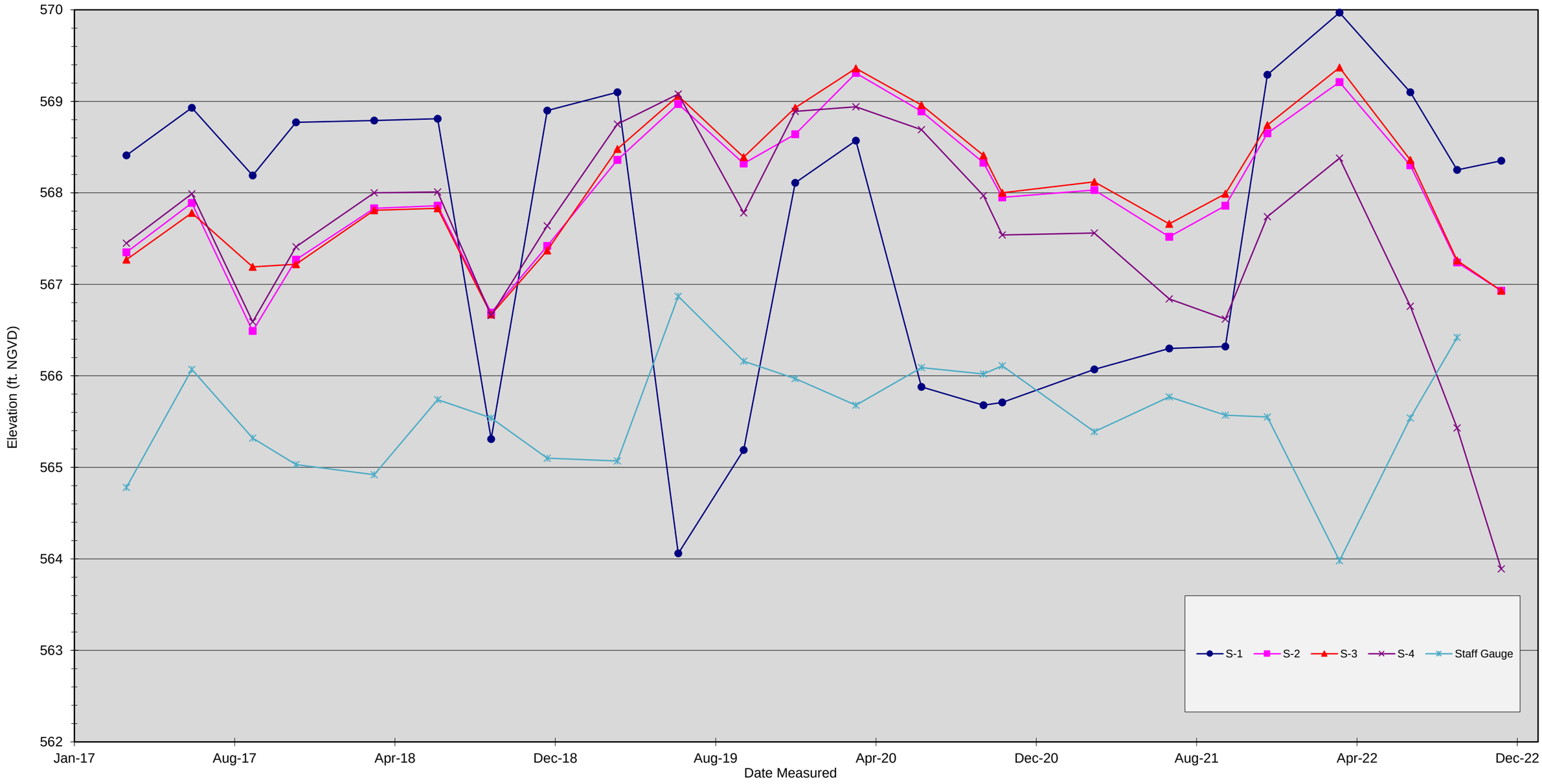


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.5a

Sump Hydrograph (2017-2022) S-1, S-2, S-3, S-4 and Staff Gauge

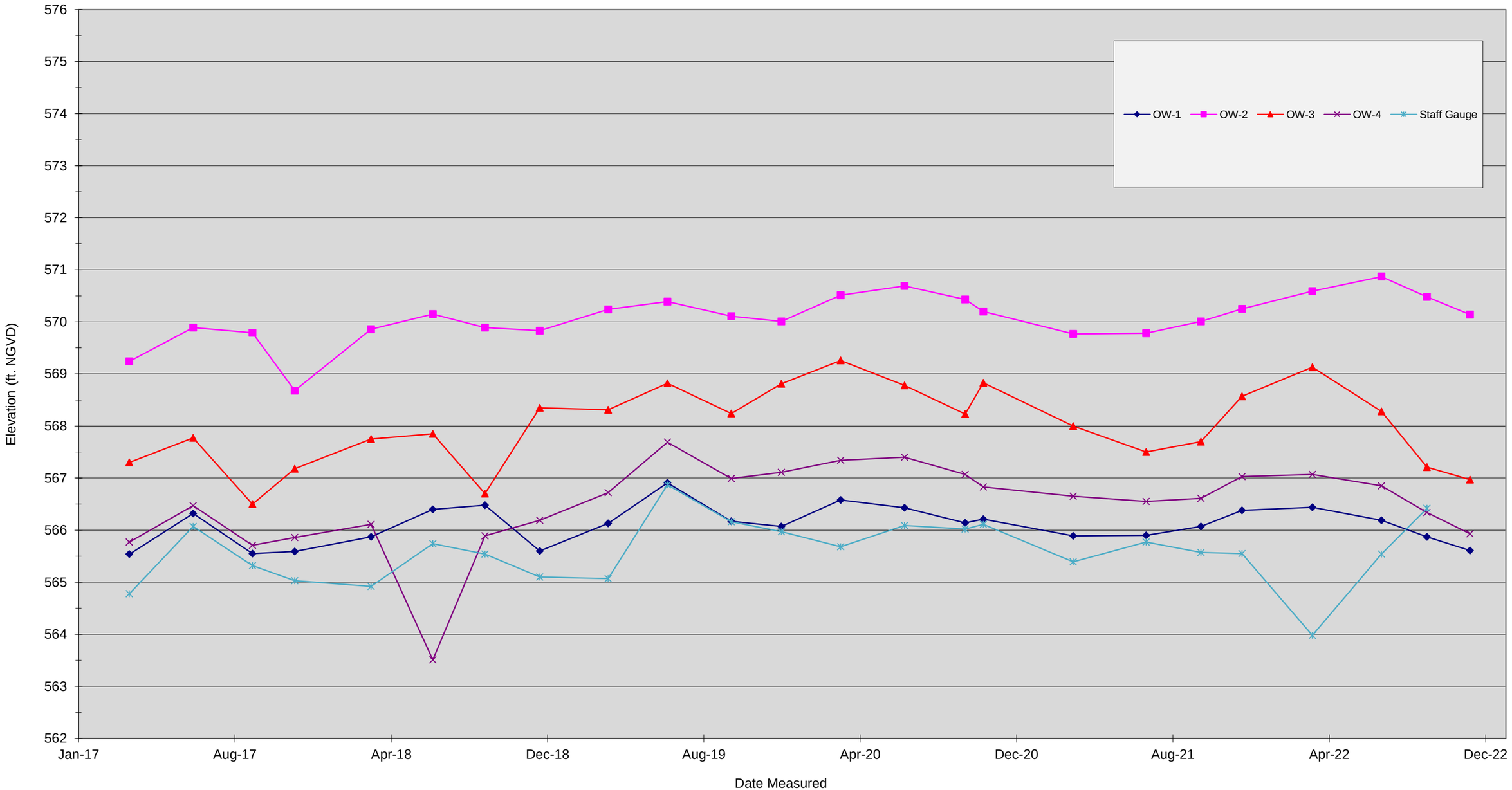


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.5b

Observation Well Hydrograph (2017-2022) OW-1, OW-2, OW-3, OW-4 and Staff Gauge

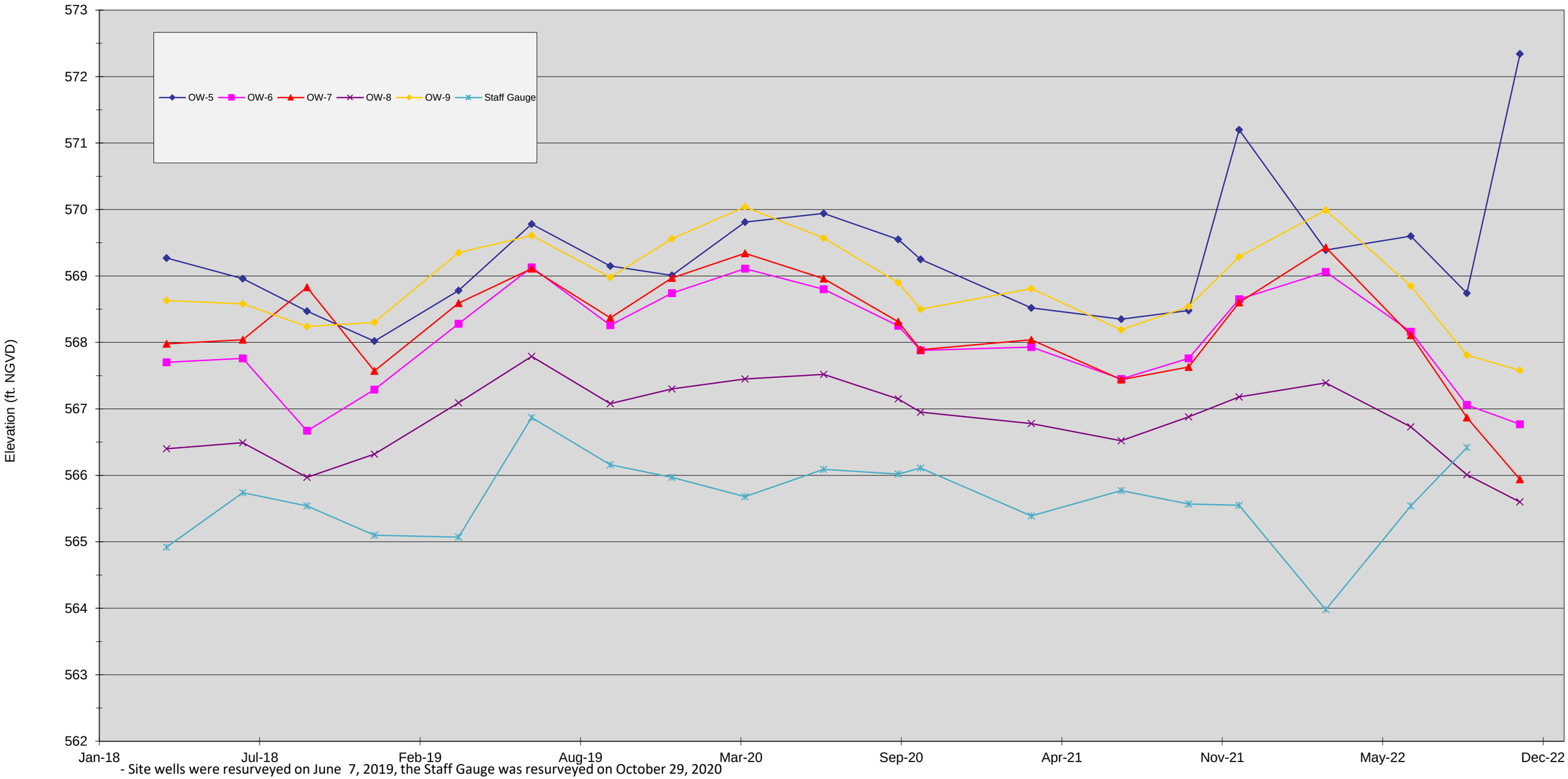


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Figure 3.5c

Observation Well Hydrograph (2018-2022) 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

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 Quarterly	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 Quarterly	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 Quarterly	None Noted	NA
Cover System	A clay cap, approximately six inches thick, had been installed in the 1970's by NMPC when they purchased the site. A variance was granted for the use of a permeable cover in the Amended ROD, dated 1993. This included the installation of a barrier layer over the site to prevent intrusion into wastes by people or wildlife; and the installation of a soil cover to further separate potentially exposed people and wildlife and to serve as a vegetative support layer.	Monitored during routine site visits and cap inspections.	Weekly and Quarterly	In the fourth quarter of 2022, rutting from trucks and equipment was observed following the line replacement activities.	Silt fencing from the line repalcement activities was left in place to prevent sediment from migrating towards the river in impacted areas. Regrading and hydroseeding of the area needs to be completed in the spring of 2023.
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

Table 2.1

Institutional and Engineering Controls Summary
Cherry Farm

Controls for Cherry Farm	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
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	No flow was conveyed from the Sump 1-3 conveyance line due to blockage between January and December 2022.	Parial replacement of the Sump 1-3 conveyance line was completed in December 2022 and flow from Sumps 1, 2, and 3 was restored.
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	On October 19, 2022 analytical data from the system indicated effluent PCB concentrations above the discharge permit level.	GES completed a partial carbon change on primary system LGAC vessel and resampled.

Notes:
- The Draft Site Management Plan (SMP) for the Niagara Mohawk - Cherry Farm / River Road Site is currently being revised.

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 Quarterly	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 Quarterly	In the fourth quarter of 2022, rutting from trucks and equipment was observed following the line replacement activities.	Silt fencing from the line repalcement activities was left in place to prevent sediment from migrating towards the river in impacted areas. Regrading and hydroseeding of the area needs to be completed in the spring of 2023.
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

Table 2.1a

Institutional and Engineering Controls Summary
River Road

Controls for River Road	Description	Monitoring Program	Monitoring Frequency	Deficiencies	Corrective Measures
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	On October 19, 2022 analytical data from the system indicated effluent PCB concentrations above the discharge permit level.	GES completed a partial carbon change on primary system LGAC vessel and resampled.

Notes:
- The Draft Site Management Plan (SMP) for the Niagara Mohawk - Cherry Farm / River Road Site is currently being revised.

Table 2.2

2022 Groundwater Elevation Summary

WELL NAME	WELL DIAMETER	03/10/22 ELEVATION (FEET)	06/24/22 ELEVATION[1] (FEET)	09/02/22 ELEVATION (FEET)	11/07/22 ELEVATION (FEET)
MW-1	2"	566.76	566.60	566.30	566.03
MW-2	2"	566.02	566.13	565.99	565.61
MW-3	2"	565.66	565.92	565.62	565.47
MW-4	2"	566.28	566.31	566.08	565.69
MW-5	2"	565.92	566.16	565.99	564.99
MW-6	2"	565.80	566.04	565.85	565.45
MW-7	2"	566.61	566.49	566.17	565.78
OW-1	1 1/2"	566.44	566.19	565.87	565.61
OW-2	1 1/2"	570.59	570.87	570.48	570.14
OW-3	1 1/2"	569.13	568.28	567.21	566.97
OW-4	1 1/2"	567.07	566.85	566.34	565.93
OW-5	1 1/2"	569.39	569.60	568.74	572.34
OW-6	1 1/2"	569.06	568.16	567.06	566.77
OW-7	1 1/2"	569.43	568.11	566.87	565.94
OW-8	1 1/2"	567.39	566.73	566.01	565.60
OW-9	1 1/2"	569.99	568.85	567.81	567.58
RW-4	8"	567.66	567.90	567.74	567.35
RW-5	8"	567.81	567.97	567.76	567.00
S-1	vault	569.97	569.10	568.25	568.35
S-2	vault	569.21	568.30	567.24	566.93
S-3	vault	569.37	568.36	567.26	566.93
S-4	vault	568.38	566.76	565.43	563.89
SG	NA	563.98	565.54	566.42	NM[2]

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 2019 GW elevations.
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
[2] = The staff gauge was inaccessible on 11/7/2022.

Table 2.3

Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
January 2022	• Replace clearwell pump #1 with a spare pump that was available onsite (Direct replacement). • Down approx. 2 days.
February 2022	• Pump head replaced at Sump 4 with new head from stock. • Sump 4 electrical repairs. • Combined system downtime of approx. 3.5 days.
March 2022	• Pull and clean sump 4 pump. • System down 1 day.
April 2022	• Replace damaged fence post for building perimeter fence (Post and concrete were directly replaced).
May 2022	• Change out pH probe in T2. • Less than 1 day down time.
June 2022	• HVAC preventative maintenance by Greater Niagara.
July 2022	• Replace pump in floor sump.
August 2022	• GPR mark out for line replacement. • Low pH alarm restart from power loss.
September 2022	• Re-mark utility lines for line replacement of Sump 1-3.

Table 2.3
Non-Routine Maintenance Summary

Date	Non-Routine Maintenance Item
October 2022	• Sytem shut down for partial carbon change out on C1. (System down approx. 1 week) • Hot box light replaced.
November 2022	• Replace Sump 1-3 conveyance line and install cleanouts with Russo. (System down during excavation, but restarted daily after work completed)
December 2022	• Replace Sump 1-3 conveyance line and install cleanouts with Russo, and restart Sump 1-3 conveyance line after pressure testing to check for leaks. (System restarted daily after work completed) • Troubleshoot and fix Sentinel Alarm system. • Annual ISCO flowmeter calibration.

Table 3.1

2022 Detected Compound Summary
Monitoring Well Samples

Cherry Farm/River Road May 2022 Monitoring Well Sampling Detections	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth to Water: Source: SDG: Matrix: Sampled:	MW-1 480-198239-1 10.95 TA 480-198239 WATER 5/23/2022	MW-2 480-198239-2 12.95 TA 480-198239 WATER 5/23/2022	MW-3 480-198239-3 5.55 TA 480-198239 WATER 5/23/2022	MW-4 480-198239-4 17.85 TA 480-198239 WATER 5/23/2022	MW-5 480-198239-5 17.52 TA 480-198239 WATER 5/23/2022	MW-6 480-198239-6 20.28 TA 480-198239 WATER 5/23/2022	MW-7 480-198239-7 20.37 TA 480-198239 WATER 5/23/2022	RW-4 480-198320-3 15.78 TA 480-198320 WATER 5/24/2022	RW-5 480-198320-4 16.09 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**									
VOLATILES											
Benzene	1	**(ug/L)**	ND	ND	ND	ND	ND	ND	ND	**3.4**	ND
SEMIVOLATILES											
Butyl benzyl phthalate	50 (G)	**(µg/L)**	ND	ND	5.1 (J)	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	**(µg/L)**	5.4 (B)	7.8 (B)	46 (B)	28 (B)	47 (B)	7.4 (F2)(B)	23 (J)(B)	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.
(B) = Compound was found in the blank and sample.
(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.

Table 3.2

2022 Detected Compound Summary
Sump Samples

Cherry Farm/River Road May 2022 Sump Sampling Detections	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth to Water: Source: SDG: Matrix: Sampled:	S-1 480-198320-5 3.05 TA 480-198320 WATER 5/24/2022	S-2 480-198320-6 3.68 TA 480-198320 WATER 5/24/2022	S-3 480-198320-7 3.79 TA 480-198320 WATER 5/24/2022	DUP (S-3) 480-198320-2 3.79 TA 480-198320 WATER 5/24/2022	S-4 480-198320-9 4.83 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**					
VOLATILES							
1,1-Dichloroethane	5	(µg/L)	ND	ND	1.3 (J)	1.2 (J)	1.2 (J)
Xylenes, total	5	(µg/L)	ND	ND	ND	ND	1.7 (J)
SEMIVOLATILES							
2,4,5-Trichlorophenol	NS	(µg/L)	ND	ND	ND	0.71 (J)	ND
Bis(2-ethylhexyl) phthalate	5 (G)	(µg/L)	ND	**11**	ND	ND	ND
2,4-Dimethylphenol	50	(µg/L)	ND	ND	ND	ND	38
2-Methylphenol	1	(µg/L)	ND	ND	ND	ND	**12 (J)**
4-Methylphenol	1	(µg/L)	ND	ND	ND	ND	**25 (J)**
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	9.1 (J)
PESTICIDES							
gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	0.013 (J) (*1)
Endrine ketone	5	(µg/L)	ND	0.049 (J)	ND	ND	ND
trans-Chlordane	0.05	(µg/L)	ND	0.027 (J)	ND	ND	ND
PCBs	Sum of all PCBs is						
Aroclor 1232	<0.09	(µg/L)	ND	ND	ND	ND	**4.6**
INORGANICS							
Aluminum	NS	(µg/L)	87 (J)	ND	280	440	390
Barium	1,000	(µg/L)	19	17	38	42	33
Calcium	NS	(µg/L)	48,300	12,900	51,600	53,500	106,000
Copper	200	(µg/L)	2.1 (J)	ND	2.3 (J)	1.7 (J)	ND
Iron	300	(µg/L)	**400**	120	**1,200**	**2,200**	94
Magnesium	35,000 (G)	(µg/L)	14,500	2,300	660	670	3,000
Manganese	300	(µg/L)	**460**	9.6	26	50	72
Nickel	100	(µg/L)	ND	1.4 (J)	ND	1.4 (J)	ND
Potassium	NS	(µg/L)	2,500	21,600	35,200	36,000	59,600
Sodium	20,000	(µg/L)	1,700	**35,000**	**137,000**	**139,000**	**200,000**
Vanadium	NS	(µg/L)	ND	2.4 (J)	5.3	7.1	3.4 (J)
Zinc	2,000 (G)	(µg/L)	28	19	54	43	ND
Cyanide	200	(µg/L)	8.1 (J)	11	88	90	35

Notes:
µg/L = micrograms per liter
NYSDEC (J)une 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 = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
(*1) = LCS/LCSD RPD exceeds control limits

Table 3.3

Total 2022 Contaminant Mass Removal

Sum of Analytical Concentrations	S-1	S-2	S-3	S-4	Average Influent Concentration[1]	2022 Total Plant Flow	Total Removed
Units	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(µg/L)**	**(gal)**	**(lbs)**
Date	05/24/22	05/24/22	05/24/22	05/24/22			
Total VOCs	0.0	0.0	1.3	2.9	2.9	3,608,983	0.087
Total SVOCs	0.0	11.00	0.0	84.1	84.1	3,608,983	2.528
Total Pesticides	0.0	0.076	0.0	0.013	0.013	3,608,983	0.000
Total PCBs	0.0	0.0	0.0	4.6	4.6	3,608,983	0.138

NOTES:

[1] For 2022, only Sump 4 was operational until December 2022. Therefore, the 2022 mass removal is based on the Sump 4 data only.

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 2022 May Analytical Data

Appendix A-1

2022 Analytical Data Monitoring Well Samples Volatile Organic Compounds

Cherry Farm/River Road May 2022 Monitoring Well Sampling EPA Method 8260C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth to Water: Source: SDG: Matrix: Sampled:	MW-1 480-198239-1 10.95 TA 480-198239 WATER 5/23/2022	MW-2 480-198239-2 12.95 TA 480-198239 WATER 5/23/2022	MW-3 480-198239-3 5.55 TA 480-198239 WATER 5/23/2022	MW-4 480-198239-4 17.85 TA 480-198239 WATER 5/23/2022	MW-5 480-198239-5 17.52 TA 480-198239 WATER 5/23/2022	MW-6 480-198239-6 20.28 TA 480-198239 WATER 5/23/2022	MW-7 480-198239-7 20.37 TA 480-198239 WATER 5/23/2022	RW-4 480-198320-3 15.78 TA 480-198320 WATER 5/24/2022	RW-5 480-198320-4 16.09 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**									
VOLATILES											
1,1,1-Trichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	**3.4**	ND
Bromodichloromethane	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes, total	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
µg/L = micrograms per liter
NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Groundwater Class GA.
Bold 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 = 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.
(F1) = MS and/or MSD Recovery is outside acceptance limits.

Appendix A-1

2022 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road May 2022 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth to Water: Source: SDG: Matrix: Sampled:	MW-1 480-198239-1 10.95 TA 480-198239 WATER 5/23/2022	MW-2 480-198239-2 12.95 TA 480-198239 WATER 5/23/2022	MW-3 480-198239-3 5.55 TA 480-198239 WATER 5/23/2022	MW-4 480-198239-4 17.85 TA 480-198239 WATER 5/23/2022	MW-5 480-198239-5 17.52 TA 480-198239-5 WATER 5/23/2022	MW-6 480-198239-6 20.28 TA 480-198239 WATER 5/23/2022	MW-7 480-198239-7 20.37 TA 480-198239 WATER 5/23/2022	RW-4 480-198320-3 15.78 TA 480-198320 WATER 5/24/2022	RW-5 480-198320-4 16.09 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**									
SEMIVOLATILES											
1,2,4-Trichlorobenzene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	10 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	20 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Appendix A-1

2022 Analytical Data Monitoring Well Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road May 2022 Monitoring Well Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth to Water: Source: SDG: Matrix: Sampled:	MW-1 480-198239-1 10.95 TA 480-198239 WATER 5/23/2022	MW-2 480-198239-2 12.95 TA 480-198239 WATER 5/23/2022	MW-3 480-198239-3 5.55 TA 480-198239 WATER 5/23/2022	MW-4 480-198239-4 17.85 TA 480-198239 WATER 5/23/2022	MW-5 480-198239-5 17.52 TA 480-198239-5 WATER 5/23/2022	MW-6 480-198239-6 20.28 TA 480-198239 WATER 5/23/2022	MW-7 480-198239-7 20.37 TA 480-198239 WATER 5/23/2022	RW-4 480-198320-3 15.78 TA 480-198320 WATER 5/24/2022	RW-5 480-198320-4 16.09 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**									
Benzo[b]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	5.1 (J)	ND	ND	ND	ND	ND	ND
Carbazole	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	(µg/L)	5.4 (B)	7.8 (B)	46 (B)	28 (B)	47 (B)	7.4 (F2)(B)	23 (J)(B)	ND	ND
Di-n-octyl phthalate	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	0.4	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

Appendix A-1

2022 Analytical Data Sump Samples Volatile Organic Compounds

Cherry Farm/River Road **May 2022** **Sump Sampling** **EPA Method 8260C**	**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:** **Lab Sample ID:** **Depth to Water:** **Source:** **SDG:** **Matrix:** **Sampled:**	S-1 480-198320-5 3.05 TA 480-198320 WATER 5/24/2022	S-2 480-198320-6 3.68 TA 480-198320 WATER 5/24/2022	S-3 480-198320-7 3.79 TA 480-198320 WATER 5/24/2022	DUP-1 (S-3) 480-198320-2 3.79 TA 480-198320 WATER 5/24/2022	S-4 480-198320-8 4.83 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**					
VOLATILES							
1,1,1-Trichloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1	**(µg/L)**	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	**(µg/L)**	ND	ND	1.3 (J)	1.2 (J)	1.2 (J)
1,1-Dichloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.6	**(µg/L)**	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	NS	**(µg/L)**	ND	ND	ND	ND	ND
1,2-Dichloropropane	1	**(µg/L)**	ND	ND	ND	ND	ND
2-Butanone	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
2-Hexanone	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	NS	**(µg/L)**	ND	ND	ND	ND	ND
Acetone	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Benzene	1	**(µg/L)**	ND	ND	ND	ND	ND
Bromodichloromethane	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Bromoform	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Bromomethane	5	**(µg/L)**	ND	ND	ND	ND	ND
Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Carbon Tetrachloride	5	**(µg/L)**	ND	ND	ND	ND	ND
Chlorobenzene	5	**(µg/L)**	ND	ND	ND	ND	ND
Chloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND
Chloroform	7	**(µg/L)**	ND	ND	ND	ND	ND
Chloromethane	5	**(µg/L)**	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	0.4	**(µg/L)**	ND	ND	ND	ND	ND
Dibromochloromethane	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Ethylbenzene	5	**(µg/L)**	ND	ND	ND	ND	ND
Methylene Chloride	5	**(µg/L)**	ND	ND	ND	ND	ND
Styrene	5	**(µg/L)**	ND	ND	ND	ND	ND
Tetrachloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND
Toluene	5	**(µg/L)**	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	0.4	**(µg/L)**	ND	ND	ND	ND	ND
Trichloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND
Vinyl chloride	2	**(µg/L)**	ND	ND	ND	ND	ND
Xylenes, total	5	**(µg/L)**	ND	ND	ND	ND	1.7 J

Notes:
µg/L = micrograms per liter
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.
NM = Not Measured
NS = No Standard
(G) = Guidance Value
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit. The concentration is an approximate value.

Appendix A-1

2022 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road **May 2022** **Sump Sampling** **EPA Method 8270D** **COMPOUND**	**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:** **Lab Sample ID:** **Depth to Water:** **Source:** **SDG:** **Matrix:** **Sampled:** **UNITS:**	S-1 480-198320-5 3.05 TA 480-198320 WATER 5/24/2022	S-2 480-198320-6 3.68 TA 480-198320 WATER 5/24/2022	S-3 480-198320-7 3.79 TA 480-198320 WATER 5/24/2022	DUP-1 (S-3) 480-198320-2 3.79 TA 480-198320 WATER 5/24/2022	S-4 480-198320-8 4.83 TA 480-198320 WATER 5/24/2022
SEMIVOLATILES							
1,2,4-Trichlorobenzene	5	**(µg/L)**	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	3	**(µg/L)**	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	3	**(µg/L)**	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	3	**(µg/L)**	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	NS	**(µg/L)**	ND	ND	ND	0.71 (J)	ND
2,4,6-Trichlorophenol	NS	**(µg/L)**	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1	**(µg/L)**	ND	ND	ND	ND	ND
2,4-Dimethylphenol	50	**(µg/L)**	ND	ND	ND	ND	38
2,4-Dinitrophenol	10 (G)	**(µg/L)**	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	5	**(µg/L)**	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	**(µg/L)**	ND	ND	ND	ND	ND
2-Chloronaphthalene	10 (G)	**(µg/L)**	ND	ND	ND	ND	ND
2-Chlorophenol	1	**(µg/L)**	ND	ND	ND	ND	ND
2-Methylnaphthalene	NS	**(µg/L)**	ND	ND	ND	ND	ND
2-Methylphenol	1	**(µg/L)**	ND	ND	ND	ND	**12 (J)**
2-Nitroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND
2-Nitrophenol	1	**(µg/L)**	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	5	**(µg/L)**	ND	ND	ND	ND	ND
3-Nitroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	NS	**(µg/L)**	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND
4-Chloroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	NS	**(µg/L)**	ND	ND	ND	ND	ND
4-Methylphenol	1	**(µg/L)**	ND	ND	ND	ND	**25 (J)**
4-Nitroaniline	5	**(µg/L)**	ND	ND	ND	ND	ND
4-Nitrophenol	1	**(µg/L)**	ND	ND	ND	ND	ND
Acenaphthene	20 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Acenaphthylene	NS	**(µg/L)**	ND	ND	ND	ND	ND
Anthracene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Benzo[a]pyrene	NS	**(µg/L)**	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 and shaded 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.

Appendix A-1

2022 Analytical Data Sump Samples Semi-Volatile Organic Compounds

Cherry Farm/River Road May 2022 Sump Sampling EPA Method 8270D	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth to Water: Source: SDG: Matrix: Sampled:	S-1 480-198320-5 3.05 TA 480-198320 WATER 5/24/2022	S-2 480-198320-6 3.68 TA 480-198320 WATER 5/24/2022	S-3 480-198320-7 3.79 TA 480-198320 WATER 5/24/2022	DUP-1 (S-3) 480-198320-2 3.79 TA 480-198320 WATER 5/24/2022	S-4 480-198320-8 4.83 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**					
Benzo[b]fluoranthene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	NS	**(µg/L)**	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	5	**(µg/L)**	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1	**(µg/L)**	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	5	**(µg/L)**	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	5	**(µg/L)**	ND	**11**	ND	ND	ND
Butyl benzyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Carbazole	NS	**(µg/L)**	ND	ND	ND	ND	ND
Chrysene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	NS	**(µg/L)**	ND	ND	ND	ND	ND
Dibenzofuran	NS	**(µg/L)**	ND	ND	ND	ND	ND
Diethyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Dimethyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Di-n-butyl phthalate	50	**(µg/L)**	ND	ND	ND	ND	ND
Di-n-octyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Fluoranthene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Fluorene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Hexachlorobenzene	0.04	**(µg/L)**	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	**(µg/L)**	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5	**(µg/L)**	ND	ND	ND	ND	ND
Hexachloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Isophorone	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Naphthalene	10 (G)	**(µg/L)**	ND	ND	ND	ND	9.1 J
Nitrobenzene	0.4	**(µg/L)**	ND	ND	ND	ND	ND
N-Nitrosodi-n-propylamine	NS	**(µg/L)**	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Pentachlorophenol	5	**(µg/L)**	ND	ND	ND	ND	ND
Phenanthrene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Phenol	1	**(µg/L)**	ND	ND	ND	ND	ND
Pyrene	50 (G)	**(µg/L)**	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 and shaded 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.

Appendix A-1

2022 Analytical Data Sump Samples Pesticides and Polychlorinated Biphenyls

Cherry Farm/River Road **May 2022** **Sump Sampling** **EPA Method 8081B** **EPA Method 8082A** **COMPOUND**	**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:** **Lab Sample ID:** **Depth to Water:** **Source:** **SDG:** **Matrix:** **Sampled:** **UNITS:**	S-1 480-198320-5 3.05 TA 480-198320 WATER 5/24/2022	S-2 480-198320-6 3.68 TA 480-198320 WATER 5/24/2022	S-3 480-198320-7 3.79 TA 480-198320 WATER 5/24/2022	DUP-1 (S-3) 480-198320-2 3.79 TA 480-198320 WATER 5/24/2022	S-4 480-198320-8 4.83 TA 480-198320 WATER 5/24/2022
PESTICIDES							
4,4'-DDD	0.3	**(µg/L)**	ND	ND	ND	ND	ND
4,4'-DDE	0.2	**(µg/L)**	ND	ND	ND	ND	ND
4,4'-DDT	0.2	**(µg/L)**	ND	ND	ND	ND	ND
Aldrin	NS	**(µg/L)**	ND	ND	ND	ND	ND
alpha-BHC	0.01	**(µg/L)**	ND	ND	ND	ND	ND
cis-Chlordane	0.05	**(µg/L)**	ND	ND	ND	ND	ND
beta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	ND
delta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	ND
Dieldrin	0.004	**(µg/L)**	ND	ND	ND	ND	ND
Endosulfan I	NS	**(µg/L)**	ND	ND	ND	ND	ND
Endosulfan II	NS	**(µg/L)**	ND	ND	ND	ND	ND
Endosulfan sulfate	NS	**(µg/L)**	ND	ND	ND	ND	ND
Endrin	NS	**(µg/L)**	ND	ND	ND	ND	ND
Endrin aldehyde	5	**(µg/L)**	ND	ND	ND	ND	ND
Endrin ketone	5	**(µg/L)**	ND	0.049 (J)	ND	ND	ND
gamma-BHC (Lindane)	0.05	**(µg/L)**	ND	ND	ND	ND	0.013 (J) (*1)
trans-Chlordane	0.05	**(µg/L)**	ND	0.027 (J)	ND	ND	ND
Heptachlor	0.04	**(µg/L)**	ND	ND	ND	ND	ND
Heptachlor epoxide	0.03	**(µg/L)**	ND	ND	ND	ND	ND
Methoxychlor	35	**(µg/L)**	ND	ND	ND	ND	ND
Toxaphene	0.06	**(µg/L)**	ND	ND	ND	ND	ND
PCBs	Sum of all PCBs is <0.09						
Aroclor 1016		**(µg/L)**	ND	ND	ND	ND	ND
Aroclor 1221		**(µg/L)**	ND	ND	ND	ND	ND
Aroclor 1232		**(µg/L)**	ND	ND	ND	ND	**4.6**
Aroclor 1242		**(µg/L)**	ND	ND	ND	ND	ND
Aroclor 1248		**(µg/L)**	ND	ND	ND	ND	ND
Aroclor 1254		**(µg/L)**	ND	ND	ND	ND	ND
Aroclor 1260		**(µg/L)**	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 and shaded values exceed the NYSDEC Class GA groundwater standard/guidance value.
NS = No Standard
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
(J) = Result is less than the Reporting Limit but greater than or equal to the Method Detection Limit and the concentration is an approximate value.
*1 = LCS/LCSD RPD exceeds control limits

Appendix A-1

2022 Analytical Data Sump Samples Inorganics

Cherry Farm/River Road May 2022 Sump Sampling EPA Method 6010C	NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID: Lab Sample ID: Depth to Water: Source: SDG: Matrix: Sampled:	S-1 480-198320-5 3.05 TA 480-198320 WATER 5/24/2022	S-2 480-198320-6 3.68 TA 480-198320 WATER 5/24/2022	S-3 480-198320-7 3.79 TA 480-198320 WATER 5/24/2022	DUP-1 (S-3) 480-198320-2 3.79 TA 480-198320 WATER 5/24/2022	S-4 480-198320-8 4.83 TA 480-198320 WATER 5/24/2022
COMPOUND		**UNITS:**					
INORGANICS							
Aluminum	NS	**(µg/L)**	87 (J)	ND	280	440	390
Antimony	3	**(µg/L)**	ND	ND	ND	ND	ND
Arsenic	25	**(µg/L)**	ND	ND	ND	ND	ND
Barium	1,000	**(µg/L)**	19	17	38	42	33
Beryllium	3 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Cadmium	5	**(µg/L)**	ND	ND	ND	ND	ND
Calcium	NS	**(µg/L)**	48,300	12,900	51,600	53,500	106,000
Chromium	50	**(µg/L)**	ND	ND	ND	ND	ND
Cobalt	NS	**(µg/L)**	ND	ND	ND	ND	ND
Copper	200	**(µg/L)**	2.1 (J)	ND	2.3 (J)	1.7 (J)	ND
Iron	300	**(µg/L)**	**400**	120	**1,200**	**2,200**	94
Lead	25	**(µg/L)**	ND	ND	ND	ND	ND
Magnesium	35,000 (G)	**(µg/L)**	14,500	2,300	660	670	3,000
Manganese	300	**(µg/L)**	**460**	9.6	26	50	72
Mercury	0.7	**(µg/L)**	ND	ND	ND	ND	ND
Nickel	100	**(µg/L)**	ND	1.4 (J)	ND	1.4 (J)	ND
Potassium	NS	**(µg/L)**	2,500	21,600	35,200	36,000	59,600
Selenium	10	**(µg/L)**	ND	ND	ND	ND	ND
Silver	50	**(µg/L)**	ND	ND	ND	ND	ND
Sodium	20,000	**(µg/L)**	1,700	**35,000**	**137,000**	**139,000**	**200,000**
Thallium	0.5 (G)	**(µg/L)**	ND	ND	ND	ND	ND
Vanadium	NS	**(µg/L)**	ND	2.4 (J)	5.3	7.1	3.4 (J)
Zinc	2,000 (G)	**(µg/L)**	28	19	54	43	ND
Cyanide	200	**(µg/L)**	8.1 (J)	11	88	90	35

Notes:
µg/L = micrograms per liter
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 = 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.
(^) ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
(F1) MS and/or MSD recovery exceeds control limits.

Appendix A-1

2022 Analytical Data Sump Samples RCRA 8 Metals

Cherry Farm/River Road	**NYSDEC**	**Sample ID:**	S-1	S-2	S-3	DUP-1 (S-3)	S-4
May 2022	**Class GA**	**Lab Sample ID:**	480-198320-5	480-198320-6	480-198320-7	480-198320-2	480-198230-8
Sump Sampling	**Groundwater**	**Depth to Water:**	3.05	3.68	3.79	3.79	4.83
EPA Method 6010C	**Standards/**	**Source:**	TA	TA	TA	TA	TA
	Guidance Values	**SDG:**	480-198320	480-198320	480-198320	480-198320	480-198320
		Matrix:	WATER	WATER	WATER	WATER	WATER
		Sampled:	5/24/2022	5/24/2022	5/24/2022	5/24/2022	5/24/2022
COMPOUND		**UNITS:**					
RCRA 8 Metals							
Arsenic	25	**(µg/L)**	ND	ND	ND	ND	ND
Barium	1,000	**(µg/L)**	19	17	38	42	33
Cadmium	10	**(µg/L)**	ND	ND	ND	ND	ND
Chromium	50	**(µg/L)**	ND	ND	ND	ND	ND
Lead	25	**(µg/L)**	ND	ND	ND	ND	ND
Mercury	0.7	**(µg/L)**	ND	ND	ND	ND	ND
Selenium	10	**(µg/L)**	ND	ND	ND	ND	ND
Silver	50	**(µg/L)**	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 and shaded 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.
NS = No Standard
(G) = Guidance Value

Appendix A-2 2022 May Analytical Data Packages

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-198239-1
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:
6/6/2022 12:12:09 PM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@et.eurofinsus.com

Designee for

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Table of Contents

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-198239-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-198239-1

Comments
No additional comments.

Receipt
The samples were received on 5/24/2022 4:35 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 10.6º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-628191 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW-7 (480-198239-7).

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: MW-3 (480-198239-3), MW-4 (480-198239-4), MW-5 (480-198239-5), MW-6 (480-198239-6), MW-6 (480-198239-6[MS]) and MW-6 (480-198239-6[MSD]). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-628171 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

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

Organic Prep
Method 3510C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: MW-3 (480-198239-3), MW-4 (480-198239-4), MW-5 (480-198239-5) and MW-7 (480-198239-7). The reporting limits (RLs) have been adjusted proportionately.

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: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-1 — Lab Sample ID: 480-198239-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	5.4	B	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 480-198239-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	7.8	B	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: MW-3 — Lab Sample ID: 480-198239-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Butyl benzyl phthalate	5.1	J	25	5.0	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	46	B	25	1.6	ug/L	1		8270D	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 480-198239-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	28	B	25	1.6	ug/L	1		8270D	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 480-198239-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	47	B	25	1.6	ug/L	1		8270D	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 480-198239-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	7.4	F2 B	5.0	0.31	ug/L	1		8270D	Total/NA

Client Sample ID: MW-7 — Lab Sample ID: 480-198239-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	23	J B	25	1.6	ug/L	1		8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-1
Lab Sample ID: 480-198239-1

Date Collected: 05/23/22 16:00
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/01/22 00:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/01/22 00:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/01/22 00:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/01/22 00:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/01/22 00:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/01/22 00:30	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			06/01/22 00:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/01/22 00:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/01/22 00:30	1
2-Hexanone	ND		5.0	1.2	ug/L			06/01/22 00:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/01/22 00:30	1
Acetone	ND		10	3.0	ug/L			06/01/22 00:30	1
Benzene	ND		1.0	0.41	ug/L			06/01/22 00:30	1
Bromoform	ND		1.0	0.26	ug/L			06/01/22 00:30	1
Bromomethane	ND		1.0	0.69	ug/L			06/01/22 00:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/01/22 00:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/01/22 00:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/01/22 00:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/01/22 00:30	1
Chloroethane	ND		1.0	0.32	ug/L			06/01/22 00:30	1
Chloroform	ND		1.0	0.34	ug/L			06/01/22 00:30	1
Chloromethane	ND		1.0	0.35	ug/L			06/01/22 00:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/01/22 00:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/22 00:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/01/22 00:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/01/22 00:30	1
Toluene	ND		1.0	0.51	ug/L			06/01/22 00:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/01/22 00:30	1
Trichloroethene	ND		1.0	0.46	ug/L			06/01/22 00:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/01/22 00:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/01/22 00:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/01/22 00:30	1
Styrene	ND		1.0	0.73	ug/L			06/01/22 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*06/01/22 00:30*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/01/22 00:30*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/01/22 00:30*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/01/22 00:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/24/22 15:35	05/25/22 19:16	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/24/22 15:35	05/25/22 19:16	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/24/22 15:35	05/25/22 19:16	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/24/22 15:35	05/25/22 19:16	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/24/22 15:35	05/25/22 19:16	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/24/22 15:35	05/25/22 19:16	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/24/22 15:35	05/25/22 19:16	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/24/22 15:35	05/25/22 19:16	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-1
Lab Sample ID: 480-198239-1
Date Collected: 05/23/22 16:00
Matrix: Water
Date Received: 05/24/22 16:35

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		05/24/22 15:35	05/25/22 19:16	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 19:16	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/24/22 15:35	05/25/22 19:16	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:16	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/24/22 15:35	05/25/22 19:16	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/24/22 15:35	05/25/22 19:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/24/22 15:35	05/25/22 19:16	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:16	1
2-Nitroaniline	ND		10	0.42	ug/L		05/24/22 15:35	05/25/22 19:16	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/24/22 15:35	05/25/22 19:16	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:16	1
3-Nitroaniline	ND		10	0.48	ug/L		05/24/22 15:35	05/25/22 19:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/24/22 15:35	05/25/22 19:16	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 19:16	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 19:16	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 19:16	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/24/22 15:35	05/25/22 19:16	1
4-Methylphenol	ND		10	0.36	ug/L		05/24/22 15:35	05/25/22 19:16	1
4-Nitroaniline	ND		10	0.25	ug/L		05/24/22 15:35	05/25/22 19:16	1
4-Nitrophenol	ND		10	1.5	ug/L		05/24/22 15:35	05/25/22 19:16	1
Acenaphthene	ND		5.0	0.41	ug/L		05/24/22 15:35	05/25/22 19:16	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/24/22 15:35	05/25/22 19:16	1
Anthracene	ND		5.0	0.28	ug/L		05/24/22 15:35	05/25/22 19:16	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/24/22 15:35	05/25/22 19:16	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/24/22 15:35	05/25/22 19:16	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/24/22 15:35	05/25/22 19:16	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/24/22 15:35	05/25/22 19:16	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/24/22 15:35	05/25/22 19:16	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/24/22 15:35	05/25/22 19:16	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/24/22 15:35	05/25/22 19:16	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/24/22 15:35	05/25/22 19:16	1
Carbazole	ND		5.0	0.30	ug/L		05/24/22 15:35	05/25/22 19:16	1
Chrysene	ND		5.0	0.33	ug/L		05/24/22 15:35	05/25/22 19:16	1
Di-n-butyl phthalate	**5.4**	**B**	5.0	0.31	ug/L		05/24/22 15:35	05/25/22 19:16	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/24/22 15:35	05/25/22 19:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/24/22 15:35	05/25/22 19:16	1
Dibenzofuran	ND		10	0.51	ug/L		05/24/22 15:35	05/25/22 19:16	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/24/22 15:35	05/25/22 19:16	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/24/22 15:35	05/25/22 19:16	1
Fluoranthene	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:16	1
Fluorene	ND		5.0	0.36	ug/L		05/24/22 15:35	05/25/22 19:16	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/24/22 15:35	05/25/22 19:16	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/24/22 15:35	05/25/22 19:16	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 19:16	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 19:16	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/24/22 15:35	05/25/22 19:16	1
Isophorone	ND		5.0	0.43	ug/L		05/24/22 15:35	05/25/22 19:16	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/24/22 15:35	05/25/22 19:16	1

Client Sample ID: MW-1
Lab Sample ID: 480-198239-1
Date Collected: 05/23/22 16:00
Matrix: Water
Date Received: 05/24/22 16:35

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		05/24/22 15:35	05/25/22 19:16	1
Naphthalene	ND		5.0	0.76	ug/L		05/24/22 15:35	05/25/22 19:16	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/24/22 15:35	05/25/22 19:16	1
Pentachlorophenol	ND		10	2.2	ug/L		05/24/22 15:35	05/25/22 19:16	1
Phenanthrene	ND		5.0	0.44	ug/L		05/24/22 15:35	05/25/22 19:16	1
Phenol	ND		5.0	0.39	ug/L		05/24/22 15:35	05/25/22 19:16	1
Pyrene	ND		5.0	0.34	ug/L		05/24/22 15:35	05/25/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*41 - 120*	*05/24/22 15:35*	*05/25/22 19:16*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*05/24/22 15:35*	*05/25/22 19:16*	*1*
2-Fluorophenol	*69*		*35 - 120*	*05/24/22 15:35*	*05/25/22 19:16*	*1*
Nitrobenzene-d5	*82*		*46 - 120*	*05/24/22 15:35*	*05/25/22 19:16*	*1*
p-Terphenyl-d14	*96*		*60 - 148*	*05/24/22 15:35*	*05/25/22 19:16*	*1*
Phenol-d5	*53*		*22 - 120*	*05/24/22 15:35*	*05/25/22 19:16*	*1*

Client Sample ID: MW-2
Lab Sample ID: 480-198239-2
Date Collected: 05/23/22 16:15
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/01/22 00:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/01/22 00:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/01/22 00:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/01/22 00:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/01/22 00:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/01/22 00:52	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			06/01/22 00:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/01/22 00:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/01/22 00:52	1
2-Hexanone	ND		5.0	1.2	ug/L			06/01/22 00:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/01/22 00:52	1
Acetone	ND		10	3.0	ug/L			06/01/22 00:52	1
Benzene	ND		1.0	0.41	ug/L			06/01/22 00:52	1
Bromoform	ND		1.0	0.26	ug/L			06/01/22 00:52	1
Bromomethane	ND		1.0	0.69	ug/L			06/01/22 00:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/01/22 00:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/01/22 00:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/01/22 00:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/01/22 00:52	1
Chloroethane	ND		1.0	0.32	ug/L			06/01/22 00:52	1
Chloroform	ND		1.0	0.34	ug/L			06/01/22 00:52	1
Chloromethane	ND		1.0	0.35	ug/L			06/01/22 00:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/01/22 00:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/01/22 00:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/01/22 00:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/01/22 00:52	1
Toluene	ND		1.0	0.51	ug/L			06/01/22 00:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/01/22 00:52	1

Client Sample ID: MW-2
Date Collected: 05/23/22 16:15
Date Received: 05/24/22 16:35

Lab Sample ID: 480-198239-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.46	ug/L			06/01/22 00:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/01/22 00:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/01/22 00:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/01/22 00:52	1
Styrene	ND		1.0	0.73	ug/L			06/01/22 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/01/22 00:52*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/01/22 00:52*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/22 00:52*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/01/22 00:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/24/22 15:35	05/25/22 19:44	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/24/22 15:35	05/25/22 19:44	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/24/22 15:35	05/25/22 19:44	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/24/22 15:35	05/25/22 19:44	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/24/22 15:35	05/25/22 19:44	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/24/22 15:35	05/25/22 19:44	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/24/22 15:35	05/25/22 19:44	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/24/22 15:35	05/25/22 19:44	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/24/22 15:35	05/25/22 19:44	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 19:44	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/24/22 15:35	05/25/22 19:44	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:44	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/24/22 15:35	05/25/22 19:44	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/24/22 15:35	05/25/22 19:44	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/24/22 15:35	05/25/22 19:44	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:44	1
2-Nitroaniline	ND		10	0.42	ug/L		05/24/22 15:35	05/25/22 19:44	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/24/22 15:35	05/25/22 19:44	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:44	1
3-Nitroaniline	ND		10	0.48	ug/L		05/24/22 15:35	05/25/22 19:44	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/24/22 15:35	05/25/22 19:44	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 19:44	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 19:44	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 19:44	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/24/22 15:35	05/25/22 19:44	1
4-Methylphenol	ND		10	0.36	ug/L		05/24/22 15:35	05/25/22 19:44	1
4-Nitroaniline	ND		10	0.25	ug/L		05/24/22 15:35	05/25/22 19:44	1
4-Nitrophenol	ND		10	1.5	ug/L		05/24/22 15:35	05/25/22 19:44	1
Acenaphthene	ND		5.0	0.41	ug/L		05/24/22 15:35	05/25/22 19:44	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/24/22 15:35	05/25/22 19:44	1
Anthracene	ND		5.0	0.28	ug/L		05/24/22 15:35	05/25/22 19:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/24/22 15:35	05/25/22 19:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/24/22 15:35	05/25/22 19:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/24/22 15:35	05/25/22 19:44	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/24/22 15:35	05/25/22 19:44	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/24/22 15:35	05/25/22 19:44	1

Client Sample ID: MW-2
Lab Sample ID: 480-198239-2
Date Collected: 05/23/22 16:15
Matrix: Water
Date Received: 05/24/22 16:35

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		05/24/22 15:35	05/25/22 19:44	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:44	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/24/22 15:35	05/25/22 19:44	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/24/22 15:35	05/25/22 19:44	1
Carbazole	ND		5.0	0.30	ug/L		05/24/22 15:35	05/25/22 19:44	1
Chrysene	ND		5.0	0.33	ug/L		05/24/22 15:35	05/25/22 19:44	1
Di-n-butyl phthalate	**7.8**	**B**	5.0	0.31	ug/L		05/24/22 15:35	05/25/22 19:44	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/24/22 15:35	05/25/22 19:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/24/22 15:35	05/25/22 19:44	1
Dibenzofuran	ND		10	0.51	ug/L		05/24/22 15:35	05/25/22 19:44	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/24/22 15:35	05/25/22 19:44	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/24/22 15:35	05/25/22 19:44	1
Fluoranthene	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 19:44	1
Fluorene	ND		5.0	0.36	ug/L		05/24/22 15:35	05/25/22 19:44	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/24/22 15:35	05/25/22 19:44	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/24/22 15:35	05/25/22 19:44	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 19:44	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 19:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/24/22 15:35	05/25/22 19:44	1
Isophorone	ND		5.0	0.43	ug/L		05/24/22 15:35	05/25/22 19:44	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/24/22 15:35	05/25/22 19:44	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/24/22 15:35	05/25/22 19:44	1
Naphthalene	ND		5.0	0.76	ug/L		05/24/22 15:35	05/25/22 19:44	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/24/22 15:35	05/25/22 19:44	1
Pentachlorophenol	ND		10	2.2	ug/L		05/24/22 15:35	05/25/22 19:44	1
Phenanthrene	ND		5.0	0.44	ug/L		05/24/22 15:35	05/25/22 19:44	1
Phenol	ND		5.0	0.39	ug/L		05/24/22 15:35	05/25/22 19:44	1
Pyrene	ND		5.0	0.34	ug/L		05/24/22 15:35	05/25/22 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*41 - 120*	*05/24/22 15:35*	*05/25/22 19:44*	*1*
2-Fluorobiphenyl	*92*		*48 - 120*	*05/24/22 15:35*	*05/25/22 19:44*	*1*
2-Fluorophenol	*68*		*35 - 120*	*05/24/22 15:35*	*05/25/22 19:44*	*1*
Nitrobenzene-d5	*81*		*46 - 120*	*05/24/22 15:35*	*05/25/22 19:44*	*1*
p-Terphenyl-d14	*95*		*60 - 148*	*05/24/22 15:35*	*05/25/22 19:44*	*1*
Phenol-d5	*50*		*22 - 120*	*05/24/22 15:35*	*05/25/22 19:44*	*1*

Client Sample ID: MW-3
Lab Sample ID: 480-198239-3
Date Collected: 05/23/22 14:45
Matrix: Water
Date Received: 05/24/22 16:35

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			06/01/22 01:14	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/01/22 01:14	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/01/22 01:14	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/01/22 01:14	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/01/22 01:14	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/01/22 01:14	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			06/01/22 01:14	4

Client Sample ID: MW-3
Lab Sample ID: 480-198239-3
Date Collected: 05/23/22 14:45
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/01/22 01:14	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/01/22 01:14	4
2-Hexanone	ND		20	5.0	ug/L			06/01/22 01:14	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/01/22 01:14	4
Acetone	ND		40	12	ug/L			06/01/22 01:14	4
Benzene	ND		4.0	1.6	ug/L			06/01/22 01:14	4
Bromoform	ND		4.0	1.0	ug/L			06/01/22 01:14	4
Bromomethane	ND		4.0	2.8	ug/L			06/01/22 01:14	4
Carbon disulfide	ND		4.0	0.76	ug/L			06/01/22 01:14	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/01/22 01:14	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/01/22 01:14	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/01/22 01:14	4
Chloroethane	ND		4.0	1.3	ug/L			06/01/22 01:14	4
Chloroform	ND		4.0	1.4	ug/L			06/01/22 01:14	4
Chloromethane	ND		4.0	1.4	ug/L			06/01/22 01:14	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/01/22 01:14	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/01/22 01:14	4
Methylene Chloride	ND		4.0	1.8	ug/L			06/01/22 01:14	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/01/22 01:14	4
Toluene	ND		4.0	2.0	ug/L			06/01/22 01:14	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/01/22 01:14	4
Trichloroethene	ND		4.0	1.8	ug/L			06/01/22 01:14	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/01/22 01:14	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/01/22 01:14	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/01/22 01:14	4
Styrene	ND		4.0	2.9	ug/L			06/01/22 01:14	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/01/22 01:14*	*4*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/01/22 01:14*	*4*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/22 01:14*	*4*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/01/22 01:14*	*4*

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		05/24/22 15:35	05/25/22 20:11	1
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		05/24/22 15:35	05/25/22 20:11	1
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
1,2-Dichlorobenzene	ND		50	2.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		05/24/22 15:35	05/25/22 20:11	1
2,4-Dichlorophenol	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 20:11	1
2,4-Dimethylphenol	ND		25	2.5	ug/L		05/24/22 15:35	05/25/22 20:11	1
1,3-Dichlorobenzene	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
2,4-Dinitrophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 20:11	1
2,4-Dinitrotoluene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 20:11	1
1,4-Dichlorobenzene	ND		50	2.3	ug/L		05/24/22 15:35	05/25/22 20:11	1
2,6-Dinitrotoluene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
2-Chloronaphthalene	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 20:11	1
2-Chlorophenol	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 20:11	1
2-Methylnaphthalene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:11	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-3
Lab Sample ID: 480-198239-3
Date Collected: 05/23/22 14:45
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
2-Nitroaniline	ND		50	2.1	ug/L		05/24/22 15:35	05/25/22 20:11	1
2-Nitrophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
3-Nitroaniline	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 20:11	1
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 20:11	1
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 20:11	1
4-Chloroaniline	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
4-Methylphenol	ND		50	1.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
4-Nitroaniline	ND		50	1.3	ug/L		05/24/22 15:35	05/25/22 20:11	1
4-Nitrophenol	ND		50	7.6	ug/L		05/24/22 15:35	05/25/22 20:11	1
Acenaphthene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 20:11	1
Acenaphthylene	ND		25	1.9	ug/L		05/24/22 15:35	05/25/22 20:11	1
Anthracene	ND		25	1.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
Benzo[a]anthracene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
Benzo[a]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 20:11	1
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/24/22 15:35	05/25/22 20:11	1
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		05/24/22 15:35	05/25/22 20:11	1
Butyl benzyl phthalate	**5.1**	**J**	25	5.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
Carbazole	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 20:11	1
Chrysene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 20:11	1
Di-n-butyl phthalate	**46**	**B**	25	1.6	ug/L		05/24/22 15:35	05/25/22 20:11	1
Di-n-octyl phthalate	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 20:11	1
Dibenzofuran	ND		50	2.6	ug/L		05/24/22 15:35	05/25/22 20:11	1
Diethyl phthalate	ND		25	1.1	ug/L		05/24/22 15:35	05/25/22 20:11	1
Dimethyl phthalate	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
Fluoranthene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
Fluorene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
Hexachlorobenzene	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 20:11	1
Hexachlorobutadiene	ND		25	3.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
Hexachloroethane	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:11	1
Isophorone	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 20:11	1
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 20:11	1
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 20:11	1
Naphthalene	ND		25	3.8	ug/L		05/24/22 15:35	05/25/22 20:11	1
Nitrobenzene	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 20:11	1
Pentachlorophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 20:11	1
Phenanthrene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 20:11	1
Phenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:11	1
Pyrene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 20:11	1

Client Sample ID: MW-3
Lab Sample ID: 480-198239-3
Date Collected: 05/23/22 14:45
Matrix: Water
Date Received: 05/24/22 16:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		41 - 120	05/24/22 15:35	05/25/22 20:11	1
2-Fluorobiphenyl	91		48 - 120	05/24/22 15:35	05/25/22 20:11	1
2-Fluorophenol	63		35 - 120	05/24/22 15:35	05/25/22 20:11	1
Nitrobenzene-d5	80		46 - 120	05/24/22 15:35	05/25/22 20:11	1
p-Terphenyl-d14	87		60 - 148	05/24/22 15:35	05/25/22 20:11	1
Phenol-d5	47		22 - 120	05/24/22 15:35	05/25/22 20:11	1

Client Sample ID: MW-4
Lab Sample ID: 480-198239-4
Date Collected: 05/23/22 15:00
Matrix: Water
Date Received: 05/24/22 16:35

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			06/01/22 01:36	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/01/22 01:36	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/01/22 01:36	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			06/01/22 01:36	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/01/22 01:36	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/01/22 01:36	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			06/01/22 01:36	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/01/22 01:36	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/01/22 01:36	2
2-Hexanone	ND		10	2.5	ug/L			06/01/22 01:36	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/01/22 01:36	2
Acetone	ND		20	6.0	ug/L			06/01/22 01:36	2
Benzene	ND		2.0	0.82	ug/L			06/01/22 01:36	2
Bromoform	ND		2.0	0.52	ug/L			06/01/22 01:36	2
Bromomethane	ND		2.0	1.4	ug/L			06/01/22 01:36	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/01/22 01:36	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/01/22 01:36	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/01/22 01:36	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/01/22 01:36	2
Chloroethane	ND		2.0	0.64	ug/L			06/01/22 01:36	2
Chloroform	ND		2.0	0.68	ug/L			06/01/22 01:36	2
Chloromethane	ND		2.0	0.70	ug/L			06/01/22 01:36	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/01/22 01:36	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/01/22 01:36	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/01/22 01:36	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/01/22 01:36	2
Toluene	ND		2.0	1.0	ug/L			06/01/22 01:36	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/01/22 01:36	2
Trichloroethene	ND		2.0	0.92	ug/L			06/01/22 01:36	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/01/22 01:36	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/01/22 01:36	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/01/22 01:36	2
Styrene	ND		2.0	1.5	ug/L			06/01/22 01:36	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/01/22 01:36	2
4-Bromofluorobenzene (Surr)	105		73 - 120		06/01/22 01:36	2
Toluene-d8 (Surr)	104		80 - 120		06/01/22 01:36	2

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-4
Lab Sample ID: 480-198239-4
Date Collected: 05/23/22 15:00
Matrix: Water
Date Received: 05/24/22 16:35

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/01/22 01:36*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 20:39	1
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		05/24/22 15:35	05/25/22 20:39	1
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
1,2-Dichlorobenzene	ND		50	2.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		05/24/22 15:35	05/25/22 20:39	1
2,4-Dichlorophenol	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 20:39	1
2,4-Dimethylphenol	ND		25	2.5	ug/L		05/24/22 15:35	05/25/22 20:39	1
1,3-Dichlorobenzene	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
2,4-Dinitrophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 20:39	1
2,4-Dinitrotoluene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 20:39	1
1,4-Dichlorobenzene	ND		50	2.3	ug/L		05/24/22 15:35	05/25/22 20:39	1
2,6-Dinitrotoluene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
2-Chloronaphthalene	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 20:39	1
2-Chlorophenol	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 20:39	1
2-Methylnaphthalene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
2-Methylphenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
2-Nitroaniline	ND		50	2.1	ug/L		05/24/22 15:35	05/25/22 20:39	1
2-Nitrophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
3-Nitroaniline	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 20:39	1
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 20:39	1
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 20:39	1
4-Chloroaniline	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
4-Methylphenol	ND		50	1.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
4-Nitroaniline	ND		50	1.3	ug/L		05/24/22 15:35	05/25/22 20:39	1
4-Nitrophenol	ND		50	7.6	ug/L		05/24/22 15:35	05/25/22 20:39	1
Acenaphthene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 20:39	1
Acenaphthylene	ND		25	1.9	ug/L		05/24/22 15:35	05/25/22 20:39	1
Anthracene	ND		25	1.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
Benzo[a]anthracene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
Benzo[a]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 20:39	1
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/24/22 15:35	05/25/22 20:39	1
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		05/24/22 15:35	05/25/22 20:39	1
Butyl benzyl phthalate	ND		25	5.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
Carbazole	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 20:39	1
Chrysene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 20:39	1
Di-n-butyl phthalate	**28**	**B**	25	1.6	ug/L		05/24/22 15:35	05/25/22 20:39	1
Di-n-octyl phthalate	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 20:39	1

Client Sample ID: MW-4
Lab Sample ID: 480-198239-4
Date Collected: 05/23/22 15:00
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	ND		50	2.6	ug/L		05/24/22 15:35	05/25/22 20:39	1
Diethyl phthalate	ND		25	1.1	ug/L		05/24/22 15:35	05/25/22 20:39	1
Dimethyl phthalate	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
Fluoranthene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
Fluorene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
Hexachlorobenzene	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 20:39	1
Hexachlorobutadiene	ND		25	3.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
Hexachloroethane	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 20:39	1
Isophorone	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 20:39	1
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 20:39	1
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 20:39	1
Naphthalene	ND		25	3.8	ug/L		05/24/22 15:35	05/25/22 20:39	1
Nitrobenzene	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 20:39	1
Pentachlorophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 20:39	1
Phenanthrene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 20:39	1
Phenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 20:39	1
Pyrene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*41 - 120*	*05/24/22 15:35*	*05/25/22 20:39*	*1*
2-Fluorobiphenyl	*86*		*48 - 120*	*05/24/22 15:35*	*05/25/22 20:39*	*1*
2-Fluorophenol	*57*		*35 - 120*	*05/24/22 15:35*	*05/25/22 20:39*	*1*
Nitrobenzene-d5	*72*		*46 - 120*	*05/24/22 15:35*	*05/25/22 20:39*	*1*
p-Terphenyl-d14	*90*		*60 - 148*	*05/24/22 15:35*	*05/25/22 20:39*	*1*
Phenol-d5	*43*		*22 - 120*	*05/24/22 15:35*	*05/25/22 20:39*	*1*

Client Sample ID: MW-5
Lab Sample ID: 480-198239-5
Date Collected: 05/23/22 15:45
Matrix: Water
Date Received: 05/24/22 16:35

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			06/01/22 01:58	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/01/22 01:58	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/01/22 01:58	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			06/01/22 01:58	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/01/22 01:58	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/01/22 01:58	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			06/01/22 01:58	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/01/22 01:58	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/01/22 01:58	2
2-Hexanone	ND		10	2.5	ug/L			06/01/22 01:58	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/01/22 01:58	2
Acetone	ND		20	6.0	ug/L			06/01/22 01:58	2
Benzene	ND		2.0	0.82	ug/L			06/01/22 01:58	2
Bromoform	ND		2.0	0.52	ug/L			06/01/22 01:58	2
Bromomethane	ND		2.0	1.4	ug/L			06/01/22 01:58	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/01/22 01:58	2

Client Sample ID: MW-5
Lab Sample ID: 480-198239-5
Date Collected: 05/23/22 15:45
Matrix: Water
Date Received: 05/24/22 16:35

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			06/01/22 01:58	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/01/22 01:58	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/01/22 01:58	2
Chloroethane	ND		2.0	0.64	ug/L			06/01/22 01:58	2
Chloroform	ND		2.0	0.68	ug/L			06/01/22 01:58	2
Chloromethane	ND		2.0	0.70	ug/L			06/01/22 01:58	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/01/22 01:58	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/01/22 01:58	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/01/22 01:58	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/01/22 01:58	2
Toluene	ND		2.0	1.0	ug/L			06/01/22 01:58	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/01/22 01:58	2
Trichloroethene	ND		2.0	0.92	ug/L			06/01/22 01:58	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/01/22 01:58	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/01/22 01:58	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/01/22 01:58	2
Styrene	ND		2.0	1.5	ug/L			06/01/22 01:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/01/22 01:58*	*2*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*06/01/22 01:58*	*2*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/01/22 01:58*	*2*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*06/01/22 01:58*	*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		05/24/22 15:35	05/25/22 21:06	1
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		05/24/22 15:35	05/25/22 21:06	1
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
1,2-Dichlorobenzene	ND		50	2.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		05/24/22 15:35	05/25/22 21:06	1
2,4-Dichlorophenol	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 21:06	1
2,4-Dimethylphenol	ND		25	2.5	ug/L		05/24/22 15:35	05/25/22 21:06	1
1,3-Dichlorobenzene	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
2,4-Dinitrophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 21:06	1
2,4-Dinitrotoluene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 21:06	1
1,4-Dichlorobenzene	ND		50	2.3	ug/L		05/24/22 15:35	05/25/22 21:06	1
2,6-Dinitrotoluene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
2-Chloronaphthalene	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 21:06	1
2-Chlorophenol	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 21:06	1
2-Methylnaphthalene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
2-Methylphenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
2-Nitroaniline	ND		50	2.1	ug/L		05/24/22 15:35	05/25/22 21:06	1
2-Nitrophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
3-Nitroaniline	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 21:06	1
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 21:06	1
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 21:06	1
4-Chloroaniline	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:06	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-5
Lab Sample ID: 480-198239-5
Date Collected: 05/23/22 15:45
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
4-Methylphenol	ND		50	1.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
4-Nitroaniline	ND		50	1.3	ug/L		05/24/22 15:35	05/25/22 21:06	1
4-Nitrophenol	ND		50	7.6	ug/L		05/24/22 15:35	05/25/22 21:06	1
Acenaphthene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 21:06	1
Acenaphthylene	ND		25	1.9	ug/L		05/24/22 15:35	05/25/22 21:06	1
Anthracene	ND		25	1.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
Benzo[a]anthracene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
Benzo[a]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 21:06	1
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/24/22 15:35	05/25/22 21:06	1
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		05/24/22 15:35	05/25/22 21:06	1
Butyl benzyl phthalate	ND		25	5.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
Carbazole	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 21:06	1
Chrysene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 21:06	1
Di-n-butyl phthalate	**47**	**B**	25	1.6	ug/L		05/24/22 15:35	05/25/22 21:06	1
Di-n-octyl phthalate	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 21:06	1
Dibenzofuran	ND		50	2.6	ug/L		05/24/22 15:35	05/25/22 21:06	1
Diethyl phthalate	ND		25	1.1	ug/L		05/24/22 15:35	05/25/22 21:06	1
Dimethyl phthalate	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
Fluoranthene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
Fluorene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
Hexachlorobenzene	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 21:06	1
Hexachlorobutadiene	ND		25	3.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
Hexachloroethane	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:06	1
Isophorone	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 21:06	1
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 21:06	1
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 21:06	1
Naphthalene	ND		25	3.8	ug/L		05/24/22 15:35	05/25/22 21:06	1
Nitrobenzene	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 21:06	1
Pentachlorophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 21:06	1
Phenanthrene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 21:06	1
Phenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:06	1
Pyrene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*41 - 120*	*05/24/22 15:35*	*05/25/22 21:06*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*05/24/22 15:35*	*05/25/22 21:06*	*1*
2-Fluorophenol	*63*		*35 - 120*	*05/24/22 15:35*	*05/25/22 21:06*	*1*
Nitrobenzene-d5	*78*		*46 - 120*	*05/24/22 15:35*	*05/25/22 21:06*	*1*
p-Terphenyl-d14	*93*		*60 - 148*	*05/24/22 15:35*	*05/25/22 21:06*	*1*
Phenol-d5	*47*		*22 - 120*	*05/24/22 15:35*	*05/25/22 21:06*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-6
Lab Sample ID: 480-198239-6

Date Collected: 05/23/22 15:15
Matrix: Water
Date Received: 05/24/22 16:35

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			06/01/22 02:20	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/01/22 02:20	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/01/22 02:20	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			06/01/22 02:20	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/01/22 02:20	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/01/22 02:20	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			06/01/22 02:20	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/01/22 02:20	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/01/22 02:20	2
2-Hexanone	ND		10	2.5	ug/L			06/01/22 02:20	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/01/22 02:20	2
Acetone	ND		20	6.0	ug/L			06/01/22 02:20	2
Benzene	ND		2.0	0.82	ug/L			06/01/22 02:20	2
Bromoform	ND		2.0	0.52	ug/L			06/01/22 02:20	2
Bromomethane	ND		2.0	1.4	ug/L			06/01/22 02:20	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/01/22 02:20	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/01/22 02:20	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/01/22 02:20	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/01/22 02:20	2
Chloroethane	ND		2.0	0.64	ug/L			06/01/22 02:20	2
Chloroform	ND		2.0	0.68	ug/L			06/01/22 02:20	2
Chloromethane	ND		2.0	0.70	ug/L			06/01/22 02:20	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/01/22 02:20	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/01/22 02:20	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/01/22 02:20	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/01/22 02:20	2
Toluene	ND		2.0	1.0	ug/L			06/01/22 02:20	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/01/22 02:20	2
Trichloroethene	ND		2.0	0.92	ug/L			06/01/22 02:20	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/01/22 02:20	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/01/22 02:20	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/01/22 02:20	2
Styrene	ND		2.0	1.5	ug/L			06/01/22 02:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*06/01/22 02:20*	*2*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/01/22 02:20*	*2*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/01/22 02:20*	*2*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*06/01/22 02:20*	*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		05/24/22 15:35	05/25/22 16:30	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/24/22 15:35	05/25/22 16:30	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/24/22 15:35	05/25/22 16:30	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/24/22 15:35	05/25/22 16:30	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/24/22 15:35	05/25/22 16:30	1
2,4-Dichlorophenol	ND	F2	5.0	0.51	ug/L		05/24/22 15:35	05/25/22 16:30	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/24/22 15:35	05/25/22 16:30	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		05/24/22 15:35	05/25/22 16:30	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-6
Lab Sample ID: 480-198239-6
Date Collected: 05/23/22 15:15
Matrix: Water
Date Received: 05/24/22 16:35

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		05/24/22 15:35	05/25/22 16:30	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 16:30	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		05/24/22 15:35	05/25/22 16:30	1
2,6-Dinitrotoluene	ND	F2	5.0	0.40	ug/L		05/24/22 15:35	05/25/22 16:30	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/24/22 15:35	05/25/22 16:30	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/24/22 15:35	05/25/22 16:30	1
2-Methylnaphthalene	ND	F2	5.0	0.60	ug/L		05/24/22 15:35	05/25/22 16:30	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 16:30	1
2-Nitroaniline	ND	F2	10	0.42	ug/L		05/24/22 15:35	05/25/22 16:30	1
2-Nitrophenol	ND	F2	5.0	0.48	ug/L		05/24/22 15:35	05/25/22 16:30	1
3,3'-Dichlorobenzidine	ND	F2	5.0	0.40	ug/L		05/24/22 15:35	05/25/22 16:30	1
3-Nitroaniline	ND		10	0.48	ug/L		05/24/22 15:35	05/25/22 16:30	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/24/22 15:35	05/25/22 16:30	1
4-Bromophenyl phenyl ether	ND	F2	5.0	0.45	ug/L		05/24/22 15:35	05/25/22 16:30	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/24/22 15:35	05/25/22 16:30	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 16:30	1
4-Chlorophenyl phenyl ether	ND	F2	5.0	0.35	ug/L		05/24/22 15:35	05/25/22 16:30	1
4-Methylphenol	ND		10	0.36	ug/L		05/24/22 15:35	05/25/22 16:30	1
4-Nitroaniline	ND		10	0.25	ug/L		05/24/22 15:35	05/25/22 16:30	1
4-Nitrophenol	ND		10	1.5	ug/L		05/24/22 15:35	05/25/22 16:30	1
Acenaphthene	ND		5.0	0.41	ug/L		05/24/22 15:35	05/25/22 16:30	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/24/22 15:35	05/25/22 16:30	1
Anthracene	ND	F2	5.0	0.28	ug/L		05/24/22 15:35	05/25/22 16:30	1
Benzo[a]anthracene	ND	F2	5.0	0.36	ug/L		05/24/22 15:35	05/25/22 16:30	1
Benzo[a]pyrene	ND	F2	5.0	0.47	ug/L		05/24/22 15:35	05/25/22 16:30	1
Benzo[b]fluoranthene	ND	F2	5.0	0.34	ug/L		05/24/22 15:35	05/25/22 16:30	1
Benzo[g,h,i]perylene	ND	F2	5.0	0.35	ug/L		05/24/22 15:35	05/25/22 16:30	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/24/22 15:35	05/25/22 16:30	1
Bis(2-chloroethoxy)methane	ND	F2	5.0	0.35	ug/L		05/24/22 15:35	05/25/22 16:30	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/24/22 15:35	05/25/22 16:30	1
Bis(2-ethylhexyl) phthalate	ND	F2	5.0	2.2	ug/L		05/24/22 15:35	05/25/22 16:30	1
Butyl benzyl phthalate	ND	F2	5.0	1.0	ug/L		05/24/22 15:35	05/25/22 16:30	1
Carbazole	ND		5.0	0.30	ug/L		05/24/22 15:35	05/25/22 16:30	1
Chrysene	ND		5.0	0.33	ug/L		05/24/22 15:35	05/25/22 16:30	1
Di-n-butyl phthalate	**7.4**	**F2 B**	5.0	0.31	ug/L		05/24/22 15:35	05/25/22 16:30	1
Di-n-octyl phthalate	ND	F2	5.0	0.47	ug/L		05/24/22 15:35	05/25/22 16:30	1
Dibenz(a,h)anthracene	ND	F2	5.0	0.42	ug/L		05/24/22 15:35	05/25/22 16:30	1
Dibenzofuran	ND	F2	10	0.51	ug/L		05/24/22 15:35	05/25/22 16:30	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/24/22 15:35	05/25/22 16:30	1
Dimethyl phthalate	ND	F2	5.0	0.36	ug/L		05/24/22 15:35	05/25/22 16:30	1
Fluoranthene	ND	F2	5.0	0.40	ug/L		05/24/22 15:35	05/25/22 16:30	1
Fluorene	ND	F2	5.0	0.36	ug/L		05/24/22 15:35	05/25/22 16:30	1
Hexachlorobenzene	ND	F2	5.0	0.51	ug/L		05/24/22 15:35	05/25/22 16:30	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/24/22 15:35	05/25/22 16:30	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 16:30	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/24/22 15:35	05/25/22 16:30	1
Indeno[1,2,3-cd]pyrene	ND	F2	5.0	0.47	ug/L		05/24/22 15:35	05/25/22 16:30	1
Isophorone	ND	F2	5.0	0.43	ug/L		05/24/22 15:35	05/25/22 16:30	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/24/22 15:35	05/25/22 16:30	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-6
Lab Sample ID: 480-198239-6
Date Collected: 05/23/22 15:15
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND	F2	5.0	0.51	ug/L		05/24/22 15:35	05/25/22 16:30	1
Naphthalene	ND		5.0	0.76	ug/L		05/24/22 15:35	05/25/22 16:30	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/24/22 15:35	05/25/22 16:30	1
Pentachlorophenol	ND		10	2.2	ug/L		05/24/22 15:35	05/25/22 16:30	1
Phenanthrene	ND	F2	5.0	0.44	ug/L		05/24/22 15:35	05/25/22 16:30	1
Phenol	ND		5.0	0.39	ug/L		05/24/22 15:35	05/25/22 16:30	1
Pyrene	ND		5.0	0.34	ug/L		05/24/22 15:35	05/25/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*41 - 120*	*05/24/22 15:35*	*05/25/22 16:30*	*1*
2-Fluorobiphenyl	*87*		*48 - 120*	*05/24/22 15:35*	*05/25/22 16:30*	*1*
2-Fluorophenol	*65*		*35 - 120*	*05/24/22 15:35*	*05/25/22 16:30*	*1*
Nitrobenzene-d5	*77*		*46 - 120*	*05/24/22 15:35*	*05/25/22 16:30*	*1*
p-Terphenyl-d14	*93*		*60 - 148*	*05/24/22 15:35*	*05/25/22 16:30*	*1*
Phenol-d5	*49*		*22 - 120*	*05/24/22 15:35*	*05/25/22 16:30*	*1*

Client Sample ID: MW-7
Lab Sample ID: 480-198239-7
Date Collected: 05/23/22 15:30
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/31/22 17:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/31/22 17:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/31/22 17:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/31/22 17:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/31/22 17:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/31/22 17:50	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			05/31/22 17:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/31/22 17:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/31/22 17:50	1
2-Hexanone	ND		5.0	1.2	ug/L			05/31/22 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/31/22 17:50	1
Acetone	ND		10	3.0	ug/L			05/31/22 17:50	1
Benzene	ND		1.0	0.41	ug/L			05/31/22 17:50	1
Bromoform	ND		1.0	0.26	ug/L			05/31/22 17:50	1
Bromomethane	ND		1.0	0.69	ug/L			05/31/22 17:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/31/22 17:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/31/22 17:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/31/22 17:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/31/22 17:50	1
Chloroethane	ND		1.0	0.32	ug/L			05/31/22 17:50	1
Chloroform	ND		1.0	0.34	ug/L			05/31/22 17:50	1
Chloromethane	ND		1.0	0.35	ug/L			05/31/22 17:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/31/22 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/31/22 17:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/31/22 17:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/31/22 17:50	1
Toluene	ND		1.0	0.51	ug/L			05/31/22 17:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/31/22 17:50	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-7
Lab Sample ID: 480-198239-7
Date Collected: 05/23/22 15:30
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		1.0	0.46	ug/L			05/31/22 17:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/31/22 17:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/31/22 17:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/31/22 17:50	1
Styrene	ND		1.0	0.73	ug/L			05/31/22 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*05/31/22 17:50*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/31/22 17:50*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/31/22 17:50*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*05/31/22 17:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 21:34	1
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		05/24/22 15:35	05/25/22 21:34	1
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
1,2-Dichlorobenzene	ND		50	2.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		05/24/22 15:35	05/25/22 21:34	1
2,4-Dichlorophenol	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 21:34	1
2,4-Dimethylphenol	ND		25	2.5	ug/L		05/24/22 15:35	05/25/22 21:34	1
1,3-Dichlorobenzene	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
2,4-Dinitrophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 21:34	1
2,4-Dinitrotoluene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 21:34	1
1,4-Dichlorobenzene	ND		50	2.3	ug/L		05/24/22 15:35	05/25/22 21:34	1
2,6-Dinitrotoluene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
2-Chloronaphthalene	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 21:34	1
2-Chlorophenol	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 21:34	1
2-Methylnaphthalene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
2-Methylphenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
2-Nitroaniline	ND		50	2.1	ug/L		05/24/22 15:35	05/25/22 21:34	1
2-Nitrophenol	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
3-Nitroaniline	ND		50	2.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 21:34	1
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 21:34	1
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		05/24/22 15:35	05/25/22 21:34	1
4-Chloroaniline	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
4-Methylphenol	ND		50	1.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
4-Nitroaniline	ND		50	1.3	ug/L		05/24/22 15:35	05/25/22 21:34	1
4-Nitrophenol	ND		50	7.6	ug/L		05/24/22 15:35	05/25/22 21:34	1
Acenaphthene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 21:34	1
Acenaphthylene	ND		25	1.9	ug/L		05/24/22 15:35	05/25/22 21:34	1
Anthracene	ND		25	1.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
Benzo[a]anthracene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
Benzo[a]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 21:34	1
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/24/22 15:35	05/25/22 21:34	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-7
Lab Sample ID: 480-198239-7
Date Collected: 05/23/22 15:30
Matrix: Water
Date Received: 05/24/22 16:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		05/24/22 15:35	05/25/22 21:34	1
Butyl benzyl phthalate	ND		25	5.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
Carbazole	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 21:34	1
Chrysene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 21:34	1
Di-n-butyl phthalate	**23**	**J B**	25	1.6	ug/L		05/24/22 15:35	05/25/22 21:34	1
Di-n-octyl phthalate	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/24/22 15:35	05/25/22 21:34	1
Dibenzofuran	ND		50	2.6	ug/L		05/24/22 15:35	05/25/22 21:34	1
Diethyl phthalate	ND		25	1.1	ug/L		05/24/22 15:35	05/25/22 21:34	1
Dimethyl phthalate	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
Fluoranthene	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
Fluorene	ND		25	1.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
Hexachlorobenzene	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 21:34	1
Hexachlorobutadiene	ND		25	3.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
Hexachloroethane	ND		25	3.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/24/22 15:35	05/25/22 21:34	1
Isophorone	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 21:34	1
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		05/24/22 15:35	05/25/22 21:34	1
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		05/24/22 15:35	05/25/22 21:34	1
Naphthalene	ND		25	3.8	ug/L		05/24/22 15:35	05/25/22 21:34	1
Nitrobenzene	ND		25	1.5	ug/L		05/24/22 15:35	05/25/22 21:34	1
Pentachlorophenol	ND		50	11	ug/L		05/24/22 15:35	05/25/22 21:34	1
Phenanthrene	ND		25	2.2	ug/L		05/24/22 15:35	05/25/22 21:34	1
Phenol	ND		25	2.0	ug/L		05/24/22 15:35	05/25/22 21:34	1
Pyrene	ND		25	1.7	ug/L		05/24/22 15:35	05/25/22 21:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*41 - 120*	*05/24/22 15:35*	*05/25/22 21:34*	*1*
2-Fluorobiphenyl	*96*		*48 - 120*	*05/24/22 15:35*	*05/25/22 21:34*	*1*
2-Fluorophenol	*69*		*35 - 120*	*05/24/22 15:35*	*05/25/22 21:34*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*05/24/22 15:35*	*05/25/22 21:34*	*1*
p-Terphenyl-d14	*98*		*60 - 148*	*05/24/22 15:35*	*05/25/22 21:34*	*1*
Phenol-d5	*52*		*22 - 120*	*05/24/22 15:35*	*05/25/22 21:34*	*1*

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
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)
480-198239-1	MW-1	103	104	105	106
480-198239-2	MW-2	101	105	104	106
480-198239-3	MW-3	102	105	104	106
480-198239-4	MW-4	99	105	104	104
480-198239-5	MW-5	99	105	104	102
480-198239-6	MW-6	101	104	105	106
480-198239-6 MS	MW-6	101	100	110	105
480-198239-6 MSD	MW-6	100	98	111	105
480-198239-7	MW-7	105	95	95	100
LCS 480-628171/6	Lab Control Sample	98	99	109	101
LCS 480-628191/5	Lab Control Sample	98	101	103	96
MB 480-628171/8	Method Blank	102	104	106	106
MB 480-628191/7	Method Blank	102	97	96	99

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)
480-198239-1	MW-1	98	93	69	82	96	53
480-198239-2	MW-2	96	92	68	81	95	50
480-198239-3	MW-3	100	91	63	80	87	47
480-198239-4	MW-4	85	86	57	72	90	43
480-198239-5	MW-5	89	90	63	78	93	47
480-198239-6	MW-6	94	87	65	77	93	49
480-198239-6 MS	MW-6	109	100	77	95	86	61
480-198239-6 MSD	MW-6	93	80	61	74	74	49
480-198239-7	MW-7	99	96	69	84	98	52
LCS 480-627445/2-A	Lab Control Sample	92	81	63	77	104	51
MB 480-627445/1-A	Method Blank	67	94	67	84	107	51

Surrogate Legend

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

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

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

Lab Sample ID: MB 480-628171/8
Matrix: Water
Analysis Batch: 628171

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			06/31/22 23:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/31/22 23:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/31/22 23:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/31/22 23:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/31/22 23:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/31/22 23:46	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			06/31/22 23:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/31/22 23:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/31/22 23:46	1
2-5 eHanone	ND		6.0	1.2	ug/L			06/31/22 23:46	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	2.1	ug/L			06/31/22 23:46	1
Acetone	ND		10	3.0	ug/L			06/31/22 23:46	1
Benxene	ND		1.0	0.41	ug/L			06/31/22 23:46	1
Bromoform	ND		1.0	0.2z	ug/L			06/31/22 23:46	1
Bromomethane	ND		1.0	0.z9	ug/L			06/31/22 23:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/31/22 23:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/31/22 23:46	1
Chlorobenxene	ND		1.0	0.76	ug/L			06/31/22 23:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/31/22 23:46	1
Chloroethane	ND		1.0	0.32	ug/L			06/31/22 23:46	1
Chloroform	ND		1.0	0.34	ug/L			06/31/22 23:46	1
Chloromethane	ND		1.0	0.36	ug/L			06/31/22 23:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/31/22 23:46	1
Ethylbenxene	ND		1.0	0.74	ug/L			06/31/22 23:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/31/22 23:46	1
Tetrachloroethene	ND		1.0	0.3z	ug/L			06/31/22 23:46	1
Toluene	ND		1.0	0.61	ug/L			06/31/22 23:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/31/22 23:46	1
Trichloroethene	ND		1.0	0.4z	ug/L			06/31/22 23:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/31/22 23:46	1
Xylenes, Total	ND		2.0	0.zz	ug/L			06/31/22 23:46	1
cis-1,3-Dichloropropene	ND		1.0	0.3z	ug/L			06/31/22 23:46	1
Styrene	ND		1.0	0.73	ug/L			06/31/22 23:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*33 - 120*		*076/ 1622 2/ :47*	*1*
4-Bromofluorobenzene (Surr)	*104*		*3/ - 120*		*076/ 1622 2/ :47*	*1*
8oluene-d5 (Surr)	*10T*		*50 - 120*		*076/ 1622 2/ :47*	*1*
Dibromofluoromethane (Surr)	*10T*		*37 - 12/*		*076/ 1622 2/ :47*	*1*

Lab Sample ID: LCS 480-628171/6
Matrix: Water
Analysis Batch: 628171

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	26.0	23.7		ug/L		96	73 - 12z
1,1,2,2-Tetrachloroethane	26.0	23.6		ug/L		94	7z - 120
1,1,2-Trichloroethane	26.0	23.9		ug/L		9z	7z - 122

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

Lab Sample ID: LCS 480-628171/6
Matrix: Water
Analysis Batch: 628171

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	26.0	26.0		ug/L		100	77 - 120
1,1-Dichloroethene	26.0	24.0		ug/L		9z	zz - 127
1,2-Dichloroethane	26.0	23.4		ug/L		94	76 - 120
1,2-Dichloropropane	26.0	24.4		ug/L		98	7z - 120
2-Butanone (MEK)	126	110		ug/L		88	67 - 140
2-5 eHanone	126	101		ug/L		81	z6 - 127
4-Methyl-2-pentanone (MIBK)	126	109		ug/L		87	71 - 126
Acetone	126	109		ug/L		87	6z - 142
Benxene	26.0	24.z		ug/L		98	71 - 124
Bromoform	26.0	23.2		ug/L		93	z1 - 132
Bromomethane	26.0	26.0		ug/L		100	66 - 144
Carbon disulfide	26.0	23.0		ug/L		92	69 - 134
Carbon tetrachloride	26.0	24.0		ug/L		9z	72 - 134
Chlorobenxene	26.0	26.7		ug/L		103	80 - 120
Dibromochloromethane	26.0	26.2		ug/L		101	76 - 126
Chloroethane	26.0	26.0		ug/L		100	z9 - 13z
Chloroform	26.0	23.6		ug/L		94	73 - 127
Chloromethane	26.0	26.1		ug/L		100	z8 - 124
Bromodichloromethane	26.0	22.8		ug/L		91	80 - 122
Ethylbenxene	26.0	24.8		ug/L		99	77 - 123
Methylene Chloride	26.0	26.4		ug/L		102	76 - 124
Tetrachloroethene	26.0	26.z		ug/L		102	74 - 122
Toluene	26.0	2z.1		ug/L		104	80 - 122
trans-1,3-Dichloropropene	26.0	24.2		ug/L		97	80 - 120
Trichloroethene	26.0	24.0		ug/L		9z	74 - 123
Vinyl chloride	26.0	24.9		ug/L		100	z6 - 133
cis-1,3-Dichloropropene	26.0	23.3		ug/L		93	74 - 124
Styrene	26.0	23.6		ug/L		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*p5*		*33 - 120*
4-Bromofluorobenzene (Surr)	*pp*		*3/ - 120*
8oluene-d5 (Surr)	*10p*		*50 - 120*
Dibromofluoromethane (Surr)	*101*		*37 - 12/*

Lab Sample ID: 480-198239-6 MS
Matrix: Water
Analysis Batch: 628171

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	ND		60.0	48.8		ug/L		98	73 - 12z
1,1,2,2-Tetrachloroethane	ND		60.0	4z.0		ug/L		92	7z - 120
1,1,2-Trichloroethane	ND		60.0	47.8		ug/L		9z	7z - 122
1,1-Dichloroethane	ND		60.0	61.z		ug/L		103	77 - 120
1,1-Dichloroethene	ND		60.0	60.4		ug/L		101	zz - 127
1,2-Dichloroethane	ND		60.0	4z.z		ug/L		93	76 - 120
1,2-Dichloropropane	ND		60.0	49.2		ug/L		98	7z - 120
2-Butanone (MEK)	ND		260	218		ug/L		87	67 - 140

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

Lab Sample ID: 480-198239-6 MS
Matrix: Water
Analysis Batch: 628171

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-5 eHanone	ND		260	228		ug/L		91	z6 - 127
4-Methyl-2-pentanone (MIBK)	ND		260	236		ug/L		94	71 - 126
Acetone	ND		260	203		ug/L		81	6z - 142
Benxene	ND		60.0	60.9		ug/L		102	71 - 124
Bromoform	ND		60.0	4z.9		ug/L		94	z1 - 132
Bromomethane	ND		60.0	68.7		ug/L		117	66 - 144
Carbon disulfide	ND		60.0	49.1		ug/L		98	69 - 134
Carbon tetrachloride	ND		60.0	49.8		ug/L		100	72 - 134
Chlorobenxene	ND		60.0	61.6		ug/L		103	80 - 120
Dibromochloromethane	ND		60.0	49.9		ug/L		100	76 - 126
Chloroethane	ND		60.0	66.8		ug/L		112	z9 - 13z
Chloroform	ND		60.0	47.9		ug/L		9z	73 - 127
Chloromethane	ND		60.0	62.0		ug/L		104	z8 - 124
Bromodichloromethane	ND		60.0	46.2		ug/L		90	80 - 122
Ethylbenxene	ND		60.0	60.3		ug/L		101	77 - 123
Methylene Chloride	ND		60.0	62.7		ug/L		106	76 - 124
Tetrachloroethene	ND		60.0	60.6		ug/L		101	74 - 122
Toluene	ND		60.0	62.4		ug/L		106	80 - 122
trans-1,3-Dichloropropene	ND		60.0	4z.0		ug/L		92	80 - 120
Trichloroethene	ND		60.0	47.8		ug/L		9z	74 - 123
Vinyl chloride	ND		60.0	62.6		ug/L		106	z6 - 133
cis-1,3-Dichloropropene	ND		60.0	43.1		ug/L		8z	74 - 124
Styrene	ND		60.0	48.3		ug/L		97	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*33 - 120*
4-Bromofluorobenzene (Surr)	*100*		*3/ - 120*
8oluene-d5 (Surr)	*110*		*50 - 120*
Dibromofluoromethane (Surr)	*107*		*37 - 12/*

Lab Sample ID: 480-198239-6 MSD
Matrix: Water
Analysis Batch: 628171

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		60.0	48.z		ug/L		97	73 - 12z	0	16
1,1,2,2-Tetrachloroethane	ND		60.0	4z.4		ug/L		93	7z - 120	1	16
1,1,2-Trichloroethane	ND		60.0	47.6		ug/L		96	7z - 122	0	16
1,1-Dichloroethane	ND		60.0	61.z		ug/L		103	77 - 120	0	20
1,1-Dichloroethene	ND		60.0	49.z		ug/L		99	zz - 127	1	1z
1,2-Dichloroethane	ND		60.0	4z.7		ug/L		93	76 - 120	0	20
1,2-Dichloropropane	ND		60.0	49.8		ug/L		100	7z - 120	1	20
2-Butanone (MEK)	ND		260	213		ug/L		86	67 - 140	2	20
2-5 eHanone	ND		260	217		ug/L		87	z6 - 127	6	16
4-Methyl-2-pentanone (MIBK)	ND		260	229		ug/L		92	71 - 126	3	36
Acetone	ND		260	206		ug/L		82	6z - 142	1	16
Benxene	ND		60.0	60.0		ug/L		100	71 - 124	2	13
Bromoform	ND		60.0	46.3		ug/L		91	z1 - 132	3	16

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

Lab Sample ID: 480-198239-6 MSD
Matrix: Water
Analysis Batch: 628171

Client Sample ID: MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromomethane	ND		60.0	6z.7		ug/L		113	66 - 144	4	16
Carbon disulfide	ND		60.0	48.8		ug/L		98	69 - 134	1	16
Carbon tetrachloride	ND		60.0	49.9		ug/L		100	72 - 134	0	16
Chlorobenxene	ND		60.0	60.6		ug/L		101	80 - 120	2	26
Dibromochloromethane	ND		60.0	49.3		ug/L		99	76 - 126	1	16
Chloroethane	ND		60.0	64.8		ug/L		110	z9 - 13z	2	16
Chloroform	ND		60.0	48.2		ug/L		9z	73 - 127	1	20
Chloromethane	ND		60.0	60.9		ug/L		102	z8 - 124	2	16
Bromodichloromethane	ND		60.0	46.6		ug/L		91	80 - 122	1	16
Ethylbenxene	ND		60.0	49.4		ug/L		99	77 - 123	2	16
Methylene Chloride	ND		60.0	62.8		ug/L		10z	76 - 124	0	16
Tetrachloroethene	ND		60.0	60.1		ug/L		100	74 - 122	1	20
Toluene	ND		60.0	62.0		ug/L		104	80 - 122	1	16
trans-1,3-Dichloropropene	ND		60.0	46.8		ug/L		92	80 - 120	0	16
Trichloroethene	ND		60.0	47.9		ug/L		9z	74 - 123	0	1z
Vinyl chloride	ND		60.0	61.z		ug/L		103	z6 - 133	2	16
cis-1,3-Dichloropropene	ND		60.0	42.7		ug/L		86	74 - 124	1	16
Styrene	ND		60.0	47.4		ug/L		96	80 - 120	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*33 - 120*
4-Bromofluorobenzene (Surr)	*p5*		*3/ - 120*
8oluene-d5 (Surr)	*111*		*50 - 120*
Dibromofluoromethane (Surr)	*107*		*37 - 12/*

Lab Sample ID: MB 480-628191/7
Matrix: Water
Analysis Batch: 628191

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			06/31/22 17:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/31/22 17:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/31/22 17:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/31/22 17:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/31/22 17:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/31/22 17:27	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			06/31/22 17:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/31/22 17:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/31/22 17:27	1
2-5 eHanone	ND		6.0	1.2	ug/L			06/31/22 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		6.0	2.1	ug/L			06/31/22 17:27	1
Acetone	ND		10	3.0	ug/L			06/31/22 17:27	1
Benxene	ND		1.0	0.41	ug/L			06/31/22 17:27	1
Bromoform	ND		1.0	0.2z	ug/L			06/31/22 17:27	1
Bromomethane	ND		1.0	0.z9	ug/L			06/31/22 17:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/31/22 17:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/31/22 17:27	1
Chlorobenxene	ND		1.0	0.76	ug/L			06/31/22 17:27	1

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

Lab Sample ID: MB 480-628191/7
Matrix: Water
Analysis Batch: 628191

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.32	ug/L			06/31/22 17:27	1
Chloroethane	ND		1.0	0.32	ug/L			06/31/22 17:27	1
Chloroform	ND		1.0	0.34	ug/L			06/31/22 17:27	1
Chloromethane	ND		1.0	0.36	ug/L			06/31/22 17:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/31/22 17:27	1
Ethylbenxene	ND		1.0	0.74	ug/L			06/31/22 17:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/31/22 17:27	1
Tetrachloroethene	ND		1.0	0.3z	ug/L			06/31/22 17:27	1
Toluene	ND		1.0	0.61	ug/L			06/31/22 17:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/31/22 17:27	1
Trichloroethene	ND		1.0	0.4z	ug/L			06/31/22 17:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/31/22 17:27	1
Xylenes, Total	ND		2.0	0.zz	ug/L			06/31/22 17:27	1
cis-1,3-Dichloropropene	ND		1.0	0.3z	ug/L			06/31/22 17:27	1
Styrene	ND		1.0	0.73	ug/L			06/31/22 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*33 - 120*		*076/16/22 13:23*	*1*
4-Bromofluorobenzene (Surr)	*p3*		*3/ - 120*		*076/16/22 13:23*	*1*
8oluene-d5 (Surr)	*pT*		*50 - 120*		*076/16/22 13:23*	*1*
Dibromofluoromethane (Surr)	*pp*		*37 - 12/*		*076/16/22 13:23*	*1*

Lab Sample ID: LCS 480-628191/5
Matrix: Water
Analysis Batch: 628191

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	26.0	23.9		ug/L		9z	73 - 12z
1,1,2,2-Tetrachloroethane	26.0	24.1		ug/L		97	7z - 120
1,1,2-Trichloroethane	26.0	24.7		ug/L		99	7z - 122
1,1-Dichloroethane	26.0	24.1		ug/L		9z	77 - 120
1,1-Dichloroethene	26.0	21.9		ug/L		88	zz - 127
1,2-Dichloroethane	26.0	22.z		ug/L		91	76 - 120
1,2-Dichloropropane	26.0	24.9		ug/L		100	7z - 120
2-Butanone (MEK)	126	130		ug/L		104	67 - 140
2-5 eHanone	126	140		ug/L		112	z6 - 127
4-Methyl-2-pentanone (MIBK)	126	129		ug/L		103	71 - 126
Acetone	126	128		ug/L		102	6z - 142
Benxene	26.0	23.4		ug/L		94	71 - 124
Bromoform	26.0	28.z		ug/L		114	z1 - 132
Bromomethane	26.0	21.2		ug/L		86	66 - 144
Carbon disulfide	26.0	23.8		ug/L		96	69 - 134
Carbon tetrachloride	26.0	24.2		ug/L		97	72 - 134
Chlorobenxene	26.0	23.z		ug/L		94	80 - 120
Dibromochloromethane	26.0	2z.3		ug/L		106	76 - 126
Chloroethane	26.0	24.6		ug/L		98	z9 - 13z
Chloroform	26.0	22.4		ug/L		89	73 - 127
Chloromethane	26.0	26.z		ug/L		102	z8 - 124

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

Lab Sample ID: LCS 480-628191/5
Matrix: Water
Analysis Batch: 628191

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromodichloromethane	26.0	23.9		ug/L		9z	80 - 122
Ethylbenxene	26.0	24.z		ug/L		98	77 - 123
Methylene Chloride	26.0	22.0		ug/L		88	76 - 124
Tetrachloroethene	26.0	23.8		ug/L		96	74 - 122
Toluene	26.0	24.7		ug/L		99	80 - 122
trans-1,3-Dichloropropene	26.0	27.2		ug/L		109	80 - 120
Trichloroethene	26.0	22.7		ug/L		91	74 - 123
Vinyl chloride	26.0	23.9		ug/L		9z	z6 - 133
cis-1,3-Dichloropropene	26.0	2z.1		ug/L		104	74 - 124
Styrene	26.0	26.7		ug/L		103	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*p5*		*33 - 120*
4-Bromofluorobenzene (Surr)	*101*		*3/ - 120*
8oluene-d5 (Surr)	*10/*		*50 - 120*
Dibromofluoromethane (Surr)	*pT*		*37 - 12/*

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

Lab Sample ID: MB 480-627445/1-A
Matrix: Water
Analysis Batch: 627554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		6.0	0.62	ug/L		06/24/22 16:36	06/26/22 13:17	1
1,2,4-Trichlorobenxene	ND		10	0.44	ug/L		06/24/22 16:36	06/26/22 13:17	1
2,4,6-Trichlorophenol	ND		6.0	0.48	ug/L		06/24/22 16:36	06/26/22 13:17	1
1,2-Dichlorobenxene	ND		10	0.40	ug/L		06/24/22 16:36	06/26/22 13:17	1
2,4,z-Trichlorophenol	ND		6.0	0.z1	ug/L		06/24/22 16:36	06/26/22 13:17	1
2,4-Dichlorophenol	ND		6.0	0.61	ug/L		06/24/22 16:36	06/26/22 13:17	1
2,4-Dimethylphenol	ND		6.0	0.60	ug/L		06/24/22 16:36	06/26/22 13:17	1
1,3-Dichlorobenxene	ND		10	0.48	ug/L		06/24/22 16:36	06/26/22 13:17	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/24/22 16:36	06/26/22 13:17	1
2,4-Dinitrotoluene	ND		6.0	0.46	ug/L		06/24/22 16:36	06/26/22 13:17	1
1,4-Dichlorobenxene	ND		10	0.4z	ug/L		06/24/22 16:36	06/26/22 13:17	1
2,z-Dinitrotoluene	ND		6.0	0.40	ug/L		06/24/22 16:36	06/26/22 13:17	1
2-Chloronaphthalene	ND		6.0	0.4z	ug/L		06/24/22 16:36	06/26/22 13:17	1
2-Chlorophenol	ND		6.0	0.63	ug/L		06/24/22 16:36	06/26/22 13:17	1
2-Methylnaphthalene	ND		6.0	0.z0	ug/L		06/24/22 16:36	06/26/22 13:17	1
2-Methylphenol	ND		6.0	0.40	ug/L		06/24/22 16:36	06/26/22 13:17	1
2-Nitroaniline	ND		10	0.42	ug/L		06/24/22 16:36	06/26/22 13:17	1
2-Nitrophenol	ND		6.0	0.48	ug/L		06/24/22 16:36	06/26/22 13:17	1
3,3'-Dichlorobenxidine	ND		6.0	0.40	ug/L		06/24/22 16:36	06/26/22 13:17	1
3-Nitroaniline	ND		10	0.48	ug/L		06/24/22 16:36	06/26/22 13:17	1
4,z-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/24/22 16:36	06/26/22 13:17	1
4-Bromophenyl phenyl ether	ND		6.0	0.46	ug/L		06/24/22 16:36	06/26/22 13:17	1
4-Chloro-3-methylphenol	ND		6.0	0.46	ug/L		06/24/22 16:36	06/26/22 13:17	1
4-Chloroaniline	ND		6.0	0.69	ug/L		06/24/22 16:36	06/26/22 13:17	1
4-Chlorophenyl phenyl ether	ND		6.0	0.36	ug/L		06/24/22 16:36	06/26/22 13:17	1

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

Lab Sample ID: MB 480-627445/1-A
Matrix: Water
Analysis Batch: 627554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	ND		10	0.3z	ug/L		06/24/22 16:36	06/26/22 13:17	1
4-Nitroaniline	ND		10	0.26	ug/L		06/24/22 16:36	06/26/22 13:17	1
4-Nitrophenol	ND		10	1.6	ug/L		06/24/22 16:36	06/26/22 13:17	1
Acenaphthene	ND		6.0	0.41	ug/L		06/24/22 16:36	06/26/22 13:17	1
Acenaphthylene	ND		6.0	0.38	ug/L		06/24/22 16:36	06/26/22 13:17	1
Anthracene	ND		6.0	0.28	ug/L		06/24/22 16:36	06/26/22 13:17	1
Benxo[a]anthracene	ND		6.0	0.3z	ug/L		06/24/22 16:36	06/26/22 13:17	1
Benxo[a]pyrene	ND		6.0	0.47	ug/L		06/24/22 16:36	06/26/22 13:17	1
Benxo[b]fluoranthene	ND		6.0	0.34	ug/L		06/24/22 16:36	06/26/22 13:17	1
Benxo[g,h,i]perylene	ND		6.0	0.36	ug/L		06/24/22 16:36	06/26/22 13:17	1
Benxo[k]fluoranthene	ND		6.0	0.73	ug/L		06/24/22 16:36	06/26/22 13:17	1
Bis(2-chloroethoHy)methane	ND		6.0	0.36	ug/L		06/24/22 16:36	06/26/22 13:17	1
Bis(2-chloroethyl)ether	ND		6.0	0.40	ug/L		06/24/22 16:36	06/26/22 13:17	1
Bis(2-ethylheHyl) phthalate	ND		6.0	2.2	ug/L		06/24/22 16:36	06/26/22 13:17	1
Butyl benxyl phthalate	ND		6.0	1.0	ug/L		06/24/22 16:36	06/26/22 13:17	1
Carbaxole	ND		6.0	0.30	ug/L		06/24/22 16:36	06/26/22 13:17	1
Chrysene	ND		6.0	0.33	ug/L		06/24/22 16:36	06/26/22 13:17	1
Di-n-butyl phthalate	1.02	J	6.0	0.31	ug/L		06/24/22 16:36	06/26/22 13:17	1
Di-n-octyl phthalate	ND		6.0	0.47	ug/L		06/24/22 16:36	06/26/22 13:17	1
Dibenx(a,h)anthracene	ND		6.0	0.42	ug/L		06/24/22 16:36	06/26/22 13:17	1
Dibenxofuran	ND		10	0.61	ug/L		06/24/22 16:36	06/26/22 13:17	1
Diethyl phthalate	ND		6.0	0.22	ug/L		06/24/22 16:36	06/26/22 13:17	1
Dimethyl phthalate	ND		6.0	0.3z	ug/L		06/24/22 16:36	06/26/22 13:17	1
Fluoranthene	ND		6.0	0.40	ug/L		06/24/22 16:36	06/26/22 13:17	1
Fluorene	ND		6.0	0.3z	ug/L		06/24/22 16:36	06/26/22 13:17	1
5 eHachlorobenxene	ND		6.0	0.61	ug/L		06/24/22 16:36	06/26/22 13:17	1
5 eHachlorobutadiene	ND		6.0	0.z8	ug/L		06/24/22 16:36	06/26/22 13:17	1
5 eHachlorocyclopentadiene	ND		6.0	0.69	ug/L		06/24/22 16:36	06/26/22 13:17	1
5 eHachloroethane	ND		6.0	0.69	ug/L		06/24/22 16:36	06/26/22 13:17	1
Indeno[1,2,3-cd]pyrene	ND		6.0	0.47	ug/L		06/24/22 16:36	06/26/22 13:17	1
Isophorone	ND		6.0	0.43	ug/L		06/24/22 16:36	06/26/22 13:17	1
N-Nitrosodi-n-propylamine	ND		6.0	0.64	ug/L		06/24/22 16:36	06/26/22 13:17	1
N-Nitrosodiphenylamine	ND		6.0	0.61	ug/L		06/24/22 16:36	06/26/22 13:17	1
Naphthalene	ND		6.0	0.7z	ug/L		06/24/22 16:36	06/26/22 13:17	1
Nitrobenxene	ND		6.0	0.29	ug/L		06/24/22 16:36	06/26/22 13:17	1
Pentachlorophenol	ND		10	2.2	ug/L		06/24/22 16:36	06/26/22 13:17	1
Phenanthrene	ND		6.0	0.44	ug/L		06/24/22 16:36	06/26/22 13:17	1
Phenol	ND		6.0	0.39	ug/L		06/24/22 16:36	06/26/22 13:17	1
Pyrene	ND		6.0	0.34	ug/L		06/24/22 16:36	06/26/22 13:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,T-8ribromo9henol	*T3*		*41 - 120*	*076246/22 17:/ 7*	*076276/22 1/ :13*	*1*
2-Fluorobi9henyl	*p4*		*45 - 120*	*076246/22 17:/ 7*	*076276/22 1/ :13*	*1*
2-Fluoro9henol	*T3*		*/ 7 - 120*	*076246/22 17:/ 7*	*076276/22 1/ :13*	*1*
Nitrobenzene-d7	*54*		*4T - 120*	*076246/22 17:/ 7*	*076276/22 1/ :13*	*1*
9-8er9henyl-d14	*103*		*T0 - 145*	*076246/22 17:/ 7*	*076276/22 1/ :13*	*1*
Phenol-d7	*71*		*22 - 120*	*076246/22 17:/ 7*	*076276/22 1/ :13*	*1*

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

Lab Sample ID: LCS 480-627445/2-A
Matrix: Water
Analysis Batch: 627554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	32.0	24.7		ug/L		77	21 - 13z
1,2,4-Trichlorobenxene	32.0	21.7		ug/L		z8	40 - 120
2,4,6-Trichlorophenol	32.0	30.z		ug/L		9z	z6 - 12z
1,2-Dichlorobenxene	32.0	20.9		ug/L		z6	49 - 120
2,4,z-Trichlorophenol	32.0	28.8		ug/L		90	z4 - 120
2,4-Dichlorophenol	32.0	27.6		ug/L		8z	z3 - 120
2,4-Dimethylphenol	32.0	27.6		ug/L		8z	47 - 120
1,3-Dichlorobenxene	32.0	19.2		ug/L		z0	60 - 120
2,4-Dinitrophenol	z4.0	z2.6		ug/L		98	31 - 137
2,4-Dinitrotoluene	32.0	32.4		ug/L		101	z9 - 120
1,4-Dichlorobenxene	32.0	19.9		ug/L		z2	61 - 120
2,z-Dinitrotoluene	32.0	30.8		ug/L		9z	z8 - 120
2-Chloronaphthalene	32.0	26.6		ug/L		80	68 - 120
2-Chlorophenol	32.0	26.8		ug/L		81	48 - 120
2-Methylnaphthalene	32.0	21.8		ug/L		z8	69 - 120
2-Methylphenol	32.0	2z.0		ug/L		81	39 - 120
2-Nitroaniline	32.0	29.z		ug/L		92	64 - 127
2-Nitrophenol	32.0	2z.7		ug/L		83	62 - 126
3,3'-Dichlorobenxidine	z4.0	64.1		ug/L		86	49 - 136
3-Nitroaniline	32.0	27.z		ug/L		8z	61 - 120
4,z-Dinitro-2-methylphenol	z4.0	z7.4		ug/L		106	4z - 13z
4-Bromophenyl phenyl ether	32.0	30.0		ug/L		94	z6 - 120
4-Chloro-3-methylphenol	32.0	28.9		ug/L		90	z1 - 123
4-Chloroaniline	32.0	26.4		ug/L		79	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.6		ug/L		92	z2 - 120
4-Methylphenol	32.0	26.8		ug/L		81	29 - 131
4-Nitroaniline	32.0	31.8		ug/L		99	z6 - 120
4-Nitrophenol	z4.0	46.8		ug/L		72	46 - 120
Acenaphthene	32.0	28.6		ug/L		89	z0 - 120
Acenaphthylene	32.0	2z.9		ug/L		84	z3 - 120
Anthracene	32.0	30.8		ug/L		9z	z7 - 120
Benxo[a]anthracene	32.0	32.1		ug/L		100	70 - 121
Benxo[a]pyrene	32.0	28.9		ug/L		90	z0 - 123
Benxo[b]fluoranthene	32.0	32.7		ug/L		102	zz - 12z
Benxo[g,h,i]perylene	32.0	34.9		ug/L		109	zz - 160
Benxo[k]fluoranthene	32.0	31.9		ug/L		100	z6 - 124
Bis(2-chloroethoHy)methane	32.0	2z.9		ug/L		84	60 - 128
Bis(2-chloroethyl)ether	32.0	26.6		ug/L		80	44 - 120
Bis(2-ethylheHyl) phthalate	32.0	32.z		ug/L		102	z3 - 139
Butyl benxyl phthalate	32.0	34.z		ug/L		108	70 - 129
Carbaxole	32.0	32.z		ug/L		102	zz - 123
Chrysene	32.0	31.4		ug/L		98	z9 - 120
Di-n-butyl phthalate	32.0	34.3		ug/L		107	z9 - 131
Di-n-octyl phthalate	32.0	32.8		ug/L		102	z3 - 140
Dibenx(a,h)anthracene	32.0	32.7		ug/L		102	z6 - 136
Dibenxofuran	32.0	29.1		ug/L		91	zz - 120
Diethyl phthalate	32.0	32.8		ug/L		103	69 - 127
Dimethyl phthalate	32.0	32.2		ug/L		101	z8 - 120

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

Lab Sample ID: LCS 480-627445/2-A
Matrix: Water
Analysis Batch: 627554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoranthene	32.0	33.0		ug/L		103	z9 - 12z
Fluorene	32.0	30.z		ug/L		9z	zz - 120
5 eHachlorobenxene	32.0	30.7		ug/L		9z	z1 - 120
5 eHachlorobutadiene	32.0	17.4		ug/L		64	36 - 120
5 eHachlorocyclopentadiene	32.0	1z.4		ug/L		61	31 - 120
5 eHachloroethane	32.0	17.3		ug/L		64	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	32.9		ug/L		103	z9 - 14z
Isophorone	32.0	28.4		ug/L		89	66 - 120
N-Nitrosodi-n-propylamine	32.0	27.4		ug/L		8z	32 - 140
N-Nitrosodiphenylamine	32.0	31.1		ug/L		97	z1 - 120
Naphthalene	32.0	23.9		ug/L		76	67 - 120
Nitrobenxene	32.0	26.z		ug/L		80	63 - 123
Pentachlorophenol	z4.0	z2.4		ug/L		98	29 - 13z
Phenanthrene	32.0	31.0		ug/L		97	z8 - 120
Phenol	32.0	17.3		ug/L		64	17 - 120
Pyrene	32.0	32.8		ug/L		102	70 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,T-8ribromo9henol	*p2*		*41 - 120*
2-Fluorobi9henyl	*51*		*45 - 120*
2-Fluoro9henol	*T/*		*/ 7 - 120*
Nitrobenzene-d7	*33*		*4T - 120*
9-8er9henyl-d14	*104*		*T0 - 145*
Phenol-d7	*71*		*22 - 120*

Lab Sample ID: 480-198239-6 MS
Matrix: Water
Analysis Batch: 627554

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 627445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
bis (2-chloroisopropyl) ether	ND		32.0	28.8		ug/L		90	28 - 121
1,2,4-Trichlorobenxene	ND		32.0	28.0		ug/L		88	49 - 120
2,4,6-Trichlorophenol	ND		32.0	34.8		ug/L		109	z6 - 12z
1,2-Dichlorobenxene	ND		32.0	24.9		ug/L		78	48 - 120
2,4,z-Trichlorophenol	ND		32.0	34.6		ug/L		108	z4 - 120
2,4-Dichlorophenol	ND	F2	32.0	34.1		ug/L		107	48 - 132
2,4-Dimethylphenol	ND		32.0	33.8		ug/L		10z	39 - 130
1,3-Dichlorobenxene	ND		32.0	23.1		ug/L		72	61 - 120
2,4-Dinitrophenol	ND		z4.0	78.2		ug/L		122	21 - 160
2,4-Dinitrotoluene	ND		32.0	3z.1		ug/L		113	64 - 138
1,4-Dichlorobenxene	ND		32.0	23.z		ug/L		74	32 - 160
2,z-Dinitrotoluene	ND	F2	32.0	36.1		ug/L		110	17 - 160
2-Chloronaphthalene	ND		32.0	31.2		ug/L		97	62 - 124
2-Chlorophenol	ND		32.0	30.4		ug/L		96	48 - 120
2-Methylnaphthalene	ND	F2	32.0	27.7		ug/L		87	34 - 140
2-Methylphenol	ND		32.0	30.3		ug/L		96	4z - 120
2-Nitroaniline	ND	F2	32.0	33.2		ug/L		104	44 - 13z
2-Nitrophenol	ND	F2	32.0	33.6		ug/L		106	38 - 141

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

Lab Sample ID: 480-198239-6 MS
Matrix: Water
Analysis Batch: 627554

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 627445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3,3'-Dichlorobenxidine	ND	F2	z4.0	31.7		ug/L		60	10 - 160
3-Nitroaniline	ND		32.0	23.7		ug/L		74	32 - 160
4,z-Dinitro-2-methylphenol	ND		z4.0	7z.3		ug/L		119	38 - 160
4-Bromophenyl phenyl ether	ND	F2	32.0	36.2		ug/L		110	z3 - 12z
4-Chloro-3-methylphenol	ND		32.0	34.6		ug/L		108	z4 - 127
4-Chloroaniline	ND		32.0	22.4		ug/L		70	1z - 124
4-Chlorophenyl phenyl ether	ND	F2	32.0	34.2		ug/L		107	z1 - 120
4-Methylphenol	ND		32.0	30.z		ug/L		9z	3z - 120
4-Nitroaniline	ND		32.0	33.3		ug/L		104	32 - 160
4-Nitrophenol	ND		z4.0	66.z		ug/L		87	23 - 132
Acenaphthene	ND		32.0	33.z		ug/L		106	48 - 120
Acenaphthylene	ND		32.0	31.9		ug/L		100	z3 - 120
Anthracene	ND	F2	32.0	34.7		ug/L		109	z6 - 122
Benxo[a]anthracene	ND	F2	32.0	33.4		ug/L		104	43 - 124
Benxo[a]pyrene	ND	F2	32.0	28.9		ug/L		90	23 - 126
Benxo[b]fluoranthene	ND	F2	32.0	32.z		ug/L		102	27 - 127
Benxo[g,h,i]perylene	ND	F2	32.0	36.1		ug/L		110	1z - 147
Benxo[k]fluoranthene	ND		32.0	32.3		ug/L		101	20 - 124
Bis(2-chloroethoHy)methane	ND	F2	32.0	32.z		ug/L		102	44 - 128
Bis(2-chloroethyl)ether	ND		32.0	31.4		ug/L		98	46 - 120
Bis(2-ethylheHyl) phthalate	ND	F2	32.0	32.4		ug/L		101	1z - 160
Butyl benxyl phthalate	ND	F2	32.0	3z.z		ug/L		114	61 - 140
Carbaxole	ND		32.0	3z.4		ug/L		114	1z - 148
Chrysene	ND		32.0	31.4		ug/L		98	44 - 122
Di-n-butyl phthalate	7.4	F2 B	32.0	44.0		ug/L		114	z6 - 129
Di-n-octyl phthalate	ND	F2	32.0	32.7		ug/L		102	1z - 160
Dibenx(a,h)anthracene	ND	F2	32.0	33.4		ug/L		106	1z - 139
Dibenxofuran	ND	F2	32.0	34.0		ug/L		10z	z0 - 120
Diethyl phthalate	ND		32.0	3z.0		ug/L		112	63 - 133
Dimethyl phthalate	ND	F2	32.0	3z.0		ug/L		112	69 - 123
Fluoranthene	ND	F2	32.0	36.7		ug/L		111	z3 - 129
Fluorene	ND	F2	32.0	36.7		ug/L		112	z2 - 120
5 eHachlorobenxene	ND	F2	32.0	36.0		ug/L		109	67 - 121
5 eHachlorobutadiene	ND		32.0	23.7		ug/L		74	37 - 120
5 eHachlorocyclopentadiene	ND		32.0	24.8		ug/L		78	21 - 120
5 eHachloroethane	ND		32.0	21.8		ug/L		z8	1z - 130
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	33.0		ug/L		103	1z - 140
Isophorone	ND	F2	32.0	34.4		ug/L		107	48 - 133
N-Nitrosodi-n-propylamine	ND		32.0	32.z		ug/L		102	49 - 120
N-Nitrosodiphenylamine	ND	F2	32.0	33.8		ug/L		10z	39 - 138
Naphthalene	ND		32.0	29.8		ug/L		93	46 - 120
Nitrobenxene	ND		32.0	31.z		ug/L		99	46 - 123
Pentachlorophenol	ND		z4.0	77.1		ug/L		121	23 - 149
Phenanthrene	ND	F2	32.0	34.1		ug/L		107	z6 - 122
Phenol	ND		32.0	21.0		ug/L		zz	1z - 120
Pyrene	ND		32.0	36.4		ug/L		110	68 - 128

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

Lab Sample ID: 480-198239-6 MS
Matrix: Water
Analysis Batch: 627554

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 627445

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,T-8ribromo9henol	*10p*		*41 - 120*
2-Fluorobi9henyl	*100*		*45 - 120*
2-Fluoro9henol	*33*		*/ 7 - 120*
Nitrobenzene-d7	*p7*		*4T - 120*
9-8er9henyl-d14	*5T*		*T0 - 145*
Phenol-d7	*T1*		*22 - 120*

Lab Sample ID: 480-198239-6 MSD
Matrix: Water
Analysis Batch: 627554

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 627445

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	23.3		ug/L		73	28 - 121	21	24
1,2,4-Trichlorobenxene	ND		32.0	22.1		ug/L		z9	49 - 120	24	30
2,4,6-Trichlorophenol	ND		32.0	29.1		ug/L		91	z6 - 12z	18	18
1,2-Dichlorobenxene	ND		32.0	20.4		ug/L		z4	48 - 120	20	29
2,4,z-Trichlorophenol	ND		32.0	29.0		ug/L		91	z4 - 120	17	19
2,4-Dichlorophenol	ND	F2	32.0	27.3	F2	ug/L		86	48 - 132	22	19
2,4-Dimethylphenol	ND		32.0	27.2		ug/L		86	39 - 130	22	42
1,3-Dichlorobenxene	ND		32.0	19.7		ug/L		z2	61 - 120	1z	37
2,4-Dinitrophenol	ND		z4.0	zz.z		ug/L		104	21 - 160	1z	22
2,4-Dinitrotoluene	ND		32.0	31.3		ug/L		98	64 - 138	14	20
1,4-Dichlorobenxene	ND		32.0	20.1		ug/L		z3	32 - 160	1z	3z
2,z-Dinitrotoluene	ND	F2	32.0	29.8	F2	ug/L		93	17 - 160	17	16
2-Chloronaphthalene	ND		32.0	26.4		ug/L		79	62 - 124	20	21
2-Chlorophenol	ND		32.0	24.8		ug/L		78	48 - 120	20	26
2-Methylnaphthalene	ND	F2	32.0	21.9	F2	ug/L		z8	34 - 140	24	21
2-Methylphenol	ND		32.0	24.8		ug/L		77	4z - 120	20	27
2-Nitroaniline	ND	F2	32.0	28.1	F2	ug/L		88	44 - 13z	17	16
2-Nitrophenol	ND	F2	32.0	2z.0	F2	ug/L		81	38 - 141	26	18
3,3'-Dichlorobenxidine	ND	F2	z4.0	21.6	F2	ug/L		34	10 - 160	38	26
3-Nitroaniline	ND		32.0	21.3		ug/L		zz	32 - 160	11	19
4,z-Dinitro-2-methylphenol	ND		z4.0	z6.9		ug/L		103	38 - 160	16	16
4-Bromophenyl phenyl ether	ND	F2	32.0	29.z	F2	ug/L		92	z3 - 12z	17	16
4-Chloro-3-methylphenol	ND		32.0	28.0		ug/L		88	z4 - 127	21	27
4-Chloroaniline	ND		32.0	19.2		ug/L		z0	1z - 124	16	22
4-Chlorophenyl phenyl ether	ND	F2	32.0	29.0	F2	ug/L		91	z1 - 120	17	1z
4-Methylphenol	ND		32.0	24.3		ug/L		7z	3z - 120	23	24
4-Nitroaniline	ND		32.0	28.2		ug/L		88	32 - 160	17	24
4-Nitrophenol	ND		z4.0	48.2		ug/L		76	23 - 132	14	48
Acenaphthene	ND		32.0	27.9		ug/L		87	48 - 120	18	24
Acenaphthylene	ND		32.0	2z.z		ug/L		83	z3 - 120	18	18
Anthracene	ND	F2	32.0	29.3	F2	ug/L		92	z6 - 122	17	16
Benxo[a]anthracene	ND	F2	32.0	27.8	F2	ug/L		87	43 - 124	18	16
Benxo[a]pyrene	ND	F2	32.0	23.8	F2	ug/L		76	23 - 126	19	16
Benxo[b]fluoranthene	ND	F2	32.0	2z.8	F2	ug/L		84	27 - 127	19	16
Benxo[g,h,i]perylene	ND	F2	32.0	29.1	F2	ug/L		91	1z - 147	19	16
Benxo[k]fluoranthene	ND		32.0	2z.6		ug/L		83	20 - 124	20	22

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

Lab Sample ID: 480-198239-6 MSD
Matrix: Water
Analysis Batch: 627554

Client Sample ID: MW-6
Prep Type: Total/NA
Prep Batch: 627445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoHy)methane	ND	F2	32.0	2z.1	F2	ug/L		82	44 - 128	22	17
Bis(2-chloroethyl)ether	ND		32.0	26.6		ug/L		80	46 - 120	21	21
Bis(2-ethylheHyl) phthalate	ND	F2	32.0	27.2	F2	ug/L		86	1z - 160	17	16
Butyl benxyl phthalate	ND	F2	32.0	30.z	F2	ug/L		9z	61 - 140	18	1z
Carbaxole	ND		32.0	31.1		ug/L		97	1z - 148	1z	20
Chrysene	ND		32.0	27.2		ug/L		86	44 - 122	14	16
Di-n-butyl phthalate	7.4	F2 B	32.0	3z.z	F2	ug/L		91	z6 - 129	18	16
Di-n-octyl phthalate	ND	F2	32.0	27.1	F2	ug/L		86	1z - 160	19	1z
Dibenx(a,h)anthracene	ND	F2	32.0	2z.9	F2	ug/L		84	1z - 139	22	16
Dibenxofuran	ND	F2	32.0	27.9	F2	ug/L		87	z0 - 120	20	16
Diethyl phthalate	ND		32.0	31.3		ug/L		98	63 - 133	14	16
Dimethyl phthalate	ND	F2	32.0	30.6	F2	ug/L		96	69 - 123	1z	16
Fluoranthene	ND	F2	32.0	30.4	F2	ug/L		96	z3 - 129	1z	16
Fluorene	ND	F2	32.0	29.8	F2	ug/L		93	z2 - 120	18	16
5 eHachlorobenxene	ND	F2	32.0	29.0	F2	ug/L		91	67 - 121	19	16
5 eHachlorobutadiene	ND		32.0	18.z		ug/L		68	37 - 120	24	44
5 eHachlorocyclopentadiene	ND		32.0	19.9		ug/L		z2	21 - 120	22	49
5 eHachloroethane	ND		32.0	18.3		ug/L		67	1z - 130	17	4z
Indeno[1,2,3-cd]pyrene	ND	F2	32.0	27.4	F2	ug/L		86	1z - 140	19	16
Isophorone	ND	F2	32.0	27.7	F2	ug/L		8z	48 - 133	22	17
N-Nitrosodi-n-propylamine	ND		32.0	2z.2		ug/L		82	49 - 120	22	31
N-Nitrosodiphenylamine	ND	F2	32.0	28.0	F2	ug/L		88	39 - 138	19	16
Naphthalene	ND		32.0	23.z		ug/L		74	46 - 120	23	29
Nitrobenxene	ND		32.0	24.7		ug/L		77	46 - 123	24	24
Pentachlorophenol	ND		z4.0	z6.8		ug/L		103	23 - 149	1z	37
Phenanthrene	ND	F2	32.0	29.1	F2	ug/L		91	z6 - 122	1z	16
Phenol	ND		32.0	1z.4		ug/L		61	1z - 120	26	34
Pyrene	ND		32.0	30.4		ug/L		96	68 - 128	16	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,T-8ribromo9henol	*p/*		*41 - 120*
2-Fluorobi9henyl	*50*		*45 - 120*
2-Fluoro9henol	*T1*		*/ 7 - 120*
Nitrobenzene-d7	*34*		*4T - 120*
9-8er9henyl-d14	*34*		*T0 - 145*
Phenol-d7	*4p*		*22 - 120*

QC Association Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

GC/MS VOA

Analysis Batch: 628171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198239-1	MW-1	Total/NA	Water	8260C	
480-198239-2	MW-2	Total/NA	Water	8260C	
480-198239-3	MW-3	Total/NA	Water	8260C	
480-198239-4	MW-4	Total/NA	Water	8260C	
480-198239-5	MW-5	Total/NA	Water	8260C	
480-198239-6	MW-6	Total/NA	Water	8260C	
MB 480-628171/8	Method Blank	Total/NA	Water	8260C	
LCS 480-628171/6	Lab Control Sample	Total/NA	Water	8260C	
480-198239-6 MS	MW-6	Total/NA	Water	8260C	
480-198239-6 MSD	MW-6	Total/NA	Water	8260C	

Analysis Batch: 628191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198239-7	MW-7	Total/NA	Water	8260C	
MB 480-628191/7	Method Blank	Total/NA	Water	8260C	
LCS 480-628191/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 627445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198239-1	MW-1	Total/NA	Water	3510C	
480-198239-2	MW-2	Total/NA	Water	3510C	
480-198239-3	MW-3	Total/NA	Water	3510C	
480-198239-4	MW-4	Total/NA	Water	3510C	
480-198239-5	MW-5	Total/NA	Water	3510C	
480-198239-6	MW-6	Total/NA	Water	3510C	
480-198239-7	MW-7	Total/NA	Water	3510C	
MB 480-627445/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627445/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-198239-6 MS	MW-6	Total/NA	Water	3510C	
480-198239-6 MSD	MW-6	Total/NA	Water	3510C	

Analysis Batch: 627554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198239-1	MW-1	Total/NA	Water	8270D	627445
480-198239-2	MW-2	Total/NA	Water	8270D	627445
480-198239-3	MW-3	Total/NA	Water	8270D	627445
480-198239-4	MW-4	Total/NA	Water	8270D	627445
480-198239-5	MW-5	Total/NA	Water	8270D	627445
480-198239-6	MW-6	Total/NA	Water	8270D	627445
480-198239-7	MW-7	Total/NA	Water	8270D	627445
MB 480-627445/1-A	Method Blank	Total/NA	Water	8270D	627445
LCS 480-627445/2-A	Lab Control Sample	Total/NA	Water	8270D	627445
480-198239-6 MS	MW-6	Total/NA	Water	8270D	627445
480-198239-6 MSD	MW-6	Total/NA	Water	8270D	627445

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-1
Lab Sample ID: 480-198239-1
Date Collected: 05/23/22 16:00
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628171	06/01/22 00:30	CRL	TAL BUF
Total/NA	Prep	3510C			627445	05/24/22 15:35	CMC	TAL BUF
Total/NA	Analysis	8270D		1	627554	05/25/22 19:16	JMM	TAL BUF

Client Sample ID: MW-2
Lab Sample ID: 480-198239-2
Date Collected: 05/23/22 16:15
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628171	06/01/22 00:52	CRL	TAL BUF
Total/NA	Prep	3510C			627445	05/24/22 15:35	CMC	TAL BUF
Total/NA	Analysis	8270D		1	627554	05/25/22 19:44	JMM	TAL BUF

Client Sample ID: MW-3
Lab Sample ID: 480-198239-3
Date Collected: 05/23/22 14:45
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	628171	06/01/22 01:14	CRL	TAL BUF
Total/NA	Prep	3510C			627445	05/24/22 15:35	CMC	TAL BUF
Total/NA	Analysis	8270D		1	627554	05/25/22 20:11	JMM	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-198239-4
Date Collected: 05/23/22 15:00
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628171	06/01/22 01:36	CRL	TAL BUF
Total/NA	Prep	3510C			627445	05/24/22 15:35	CMC	TAL BUF
Total/NA	Analysis	8270D		1	627554	05/25/22 20:39	JMM	TAL BUF

Client Sample ID: MW-5
Lab Sample ID: 480-198239-5
Date Collected: 05/23/22 15:45
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628171	06/01/22 01:58	CRL	TAL BUF
Total/NA	Prep	3510C			627445	05/24/22 15:35	CMC	TAL BUF
Total/NA	Analysis	8270D		1	627554	05/25/22 21:06	JMM	TAL BUF

Client Sample ID: MW-6
Lab Sample ID: 480-198239-6
Date Collected: 05/23/22 15:15
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628171	06/01/22 02:20	CRL	TAL BUF

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: MW-6
Lab Sample ID: 480-198239-6
Date Collected: 05/23/22 15:15
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			627445	05/24/22 15:35	CMC	TAL BUF
Total/NA	Analysis	8270D		1	627554	05/25/22 16:30	JMM	TAL BUF

Client Sample ID: MW-7
Lab Sample ID: 480-198239-7
Date Collected: 05/23/22 15:30
Matrix: Water
Date Received: 05/24/22 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628191	05/31/22 17:50	CRL	TAL BUF
Total/NA	Prep	3510C			627445	05/24/22 15:35	CMC	TAL BUF
Total/NA	Analysis	8270D		1	627554	05/25/22 21:34	JMM	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Laboratory: Eurofins 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	03-31-23

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

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

Method Summary

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

Job ID: 480-198239-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198239-1
Project/Site: Cherry Farms Annual GW Sample

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-198239-1	MW-1	Water	05/23/22 16:00	05/24/22 16:35
480-198239-2	MW-2	Water	05/23/22 16:15	05/24/22 16:35
480-198239-3	MW-3	Water	05/23/22 14:45	05/24/22 16:35
480-198239-4	MW-4	Water	05/23/22 15:00	05/24/22 16:35
480-198239-5	MW-5	Water	05/23/22 15:45	05/24/22 16:35
480-198239-6	MW-6	Water	05/23/22 15:15	05/24/22 16:35
480-198239-7	MW-7	Water	05/23/22 15:30	05/24/22 16:35

CHAIN OF CUSTODY

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:** TPalmer@gesonline.com — **fax** 866-902-2187	**Project Name:** Cherry Farm/River Road Site **Project Address:** 4100 River Rd, Tonawanda, NY **Project PSID #:** 934394	Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable **Invoice Instructions (Project #/ Phase / Task / Altorg)** 0901860/05/220/1109

Sampler(s) Name: Mike Reisch

Sampler(s) Name: Barbara ~~Mike Reisch~~ Delaney

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	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 - Cyanide, Total	MS/MSD		LAB USE ONLY
	MW-1	NA	5/23/22	1600	BD	WG	5	3				2						X	X						
	MW-2	NA		1615	BD	WG	5	3				2						X	X						
	MW-3	NA		1445	BD	WG	5	3				2						X	X						
	MW-4	NA		1500	BD	WG	5	3				2						X	X						
	MW-5	NA		1545	BD	WG	5	3				2						X	X						
	MW-6	NA		1515	MR	WG	15	9				26						X	X						
	MW-7	NA		1530	MR	WG	5	3				2						X	X						
	[redacted]	NA				WG		3				2						X	X						
	[redacted]	NA				WG		3				2						X	X						
	[redacted]	NA				WG		3	1	1		6					X	X	X	X	X	X			
	[redacted]	NA				WG		3	1	1		6					X	X	X	X	X	X			
	[redacted]	NA				WG		3	1	1		6					X	X	X	X	X	X			
	[redacted]	NA				WG		3	1	1		6					X	X	X	X	X	X			

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

- [x] Standard 14 Days
- [ ] 1 day RUSH
- [ ] Other _____

Laboratory Information

Lab: Test America
Address: 10 Hazelwood Drive, Amherst NY 14228
Phone: Direct: 413.642.2616 Main:413.572.4000
Lab PM: Steve Hartmann
Lab PM Email: steve.hartmann@et.eurofinsus.com

*Triple Volume Collected at MW-6 for MS & MSD

Data Deliverable Information

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

Please Email the EQ EDD Package to ges@equisonline.com
EQEDD Name: Cherry Farm/River Road Site_LabReport#.12873.EQEDD.zip

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

	Relinquished By Sampler:	Date / Time:	Received By:
1	Barbara Delaney	5/23/2022 1635	Jennifer Pierce 5/23/22 4:35
2	Relinquished By:	Date / Time:	Received By:
3	Relinquished By:	Date / Time:	Received By:

Custody Seal Number: [ ] Intact [ ] Not Intact [ ] Preserved where applicable [ ] On Ice Cooler Temp 10.6 #1 ICE

480-198239 Chain of Custody

6/6/2022

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-198239-1

Login Number: 198239
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins 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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-198320-1
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:
6/9/2022 4:49:40 PM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@et.eurofinsus.com

Designee for

John Beninati, Project Manager
(716)504-9874
John.Beninati@et.eurofinsus.com

Table of Contents

Definitions/Glossary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
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, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
H	Sample was prepped or analyzed beyond the specified holding time
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
*1	LCS/LCSD 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.

Metals

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

General Chemistry

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.
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)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-198320-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-198320-1

Comments
No additional comments.

Receipt
The samples were received on 5/25/2022 11:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º 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: DUP-1 (480-198320-2), RW-4 (480-198320-3), S-1 (480-198320-5), S-2 (480-198320-6), S-3 (480-198320-7) and S-4 (480-198320-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The Laboratory Control Sample (LCS) was outside laboratory/project quality control limits by 1.7% for the following analyte: Chloromethane. All other spike recoveries and quality control indicators, including sample specific surrogate recoveries, were acceptable. A reporting limit (RL) standard was analyzed, and the target analyte was detected. The following samples are impacted: TRIP BLANK (480-198320-1), DUP-1 (480-198320-2), RW-4 (480-198320-3), RW-5 (480-198320-4), S-1 (480-198320-5), S-2 (480-198320-6), S-3 (480-198320-7) and S-4 (480-198320-8).

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-628588 recovered outside control limits for the following analyte(s): Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The following samples are impacted: TRIP BLANK (480-198320-1), DUP-1 (480-198320-2), RW-4 (480-198320-3), RW-5 (480-198320-4), S-1 (480-198320-5), S-2 (480-198320-6), S-3 (480-198320-7) and S-4 (480-198320-8).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-628588 recovered outside acceptance criteria, low biased, for Vinyl chloride and Chloromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The following samples are impacted: TRIP BLANK (480-198320-1), DUP-1 (480-198320-2), RW-4 (480-198320-3), RW-5 (480-198320-4), S-1 (480-198320-5), S-2 (480-198320-6), S-3 (480-198320-7) and S-4 (480-198320-8).

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

GC/MS Semi VOA
Method 8270D: The following samples were diluted due to the abundance of non-target analytes: S-3 (480-198320-7) and S-4 (480-198320-8). Elevated reporting limits (RLs) are provided.

Method 8270D: The laboratory control sample duplicate (LCSD) for preparation batch 480-627913 and analytical batch 480-628181 recovered outside control limits for the following analytes: 1,3-Dichlorobenzene and 1,4-Dichlorobenzene. The associated sample(s) was re-prepared and/or re-analyzed outside holding time. Both sets of data have been reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-627913 and analytical batch 480-628181 recovered outside control limits for the following analytes: Carbazole. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The following samples were diluted due to the abundance of non-target analytes: S-3 (480-198320-7) and S-4 (480-198320-8). Elevated reporting limits (RLs) are provided.

Method 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-628571 and analytical batch 480-628701 recovered outside control limits for the following analytes: 4-Nitroaniline and Carbazole. 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.

Job ID: 480-198320-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

GC Semi VOA
Method 8081B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-627996 and analytical batch 480-628113 recovered outside control limits for several analytes.

Method 8081B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-627996 and analytical batch 480-628252 recovered outside control limits for several analytes.

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

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

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-627913.

Method 3510C: The following samples were re-prepared outside of preparation holding time due to Contamination in LCSDDUP-1 (480-198320-2), RW-4 (480-198320-3), RW-5 (480-198320-4), S-1 (480-198320-5), S-2 (480-198320-6), S-3 (480-198320-7) and S-4 (480-198320-8).

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-627716 and 480-627716.

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: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-198320-1

No Detections.

Client Sample ID: DUP-1 — Lab Sample ID: 480-198320-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2	J	2.0	0.76	ug/L	2		8260C	Total/NA
2,4,5-Trichlorophenol	0.71	J	5.0	0.48	ug/L	1		8270D	Total/NA
Phenanthrene - RE	0.53	J H	5.0	0.44	ug/L	1		8270D	Total/NA
Aluminum	0.44		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.042		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	53.5		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0017	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	2.2		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.67		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.050		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	36.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	139		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0071		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.043		0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.090		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: RW-4 — Lab Sample ID: 480-198320-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.4		2.0	0.82	ug/L	2		8260C	Total/NA
Bis(2-ethylhexyl) phthalate - RE	7.8	H	5.0	2.2	ug/L	1		8270D	Total/NA
Butyl benzyl phthalate - RE	4.5	J H	5.0	1.0	ug/L	1		8270D	Total/NA
Phenol - RE	1.5	J H	5.0	0.39	ug/L	1		8270D	Total/NA

Client Sample ID: RW-5 — Lab Sample ID: 480-198320-4

No Detections.

Client Sample ID: S-1 — Lab Sample ID: 480-198320-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.087	J	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.019		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	48.3		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0021	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	0.40		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	14.5		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.46		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	2.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	1.7		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.028		0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.0081	J	0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-2 — Lab Sample ID: 480-198320-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	11		5.0	2.2	ug/L	1		8270D	Total/NA
Bis(2-ethylhexyl) phthalate - RE	8.1	H	5.0	2.2	ug/L	1		8270D	Total/NA
Endrin ketone	0.049	J	0.050	0.012	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: S-2 (Continued)
Lab Sample ID: 480-198320-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-Chlordane	0.027	J	0.050	0.011	ug/L	1		8081B	Total/NA
Barium	0.017		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	12.9		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.12		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	2.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0096		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	21.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	35.0		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0024	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.019		0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.011		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-3
Lab Sample ID: 480-198320-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3	J	2.0	0.76	ug/L	2		8260C	Total/NA
Aluminum	0.28		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.038		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	51.6		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0023	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.2		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	0.66		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.026		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	35.2		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	137		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0053		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.054		0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.088		0.010	0.0050	mg/L	1		9012B	Total/NA

Client Sample ID: S-4
Lab Sample ID: 480-198320-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.2	J	2.0	0.76	ug/L	2		8260C	Total/NA
Xylenes, Total	1.7	J	4.0	1.3	ug/L	2		8260C	Total/NA
2,4-Dimethylphenol	38		25	2.5	ug/L	5		8270D	Total/NA
2-Methylphenol	12	J	25	2.0	ug/L	5		8270D	Total/NA
4-Methylphenol	25	J	50	1.8	ug/L	5		8270D	Total/NA
Naphthalene	9.1	J	25	3.8	ug/L	5		8270D	Total/NA
2,4-Dimethylphenol - RE	45	H	25	2.5	ug/L	5		8270D	Total/NA
2-Methylphenol - RE	15	J H	25	2.0	ug/L	5		8270D	Total/NA
4-Methylphenol - RE	29	J H	50	1.8	ug/L	5		8270D	Total/NA
Naphthalene - RE	11	J H	25	3.8	ug/L	5		8270D	Total/NA
gamma-BHC (Lindane)	0.013	J *1	0.050	0.0080	ug/L	1		8081B	Total/NA
PCB-1232	4.6		0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.39		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.033		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	106		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	0.094		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	3.0		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.072		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	59.6		0.50	0.10	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S-4 (Continued)
Lab Sample ID: 480-198320-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	200		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0034	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.035		0.010	0.0050	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-198320-1

Date Collected: 05/24/22 00:00
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/03/22 02:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/03/22 02:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/03/22 02:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/03/22 02:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/03/22 02:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/03/22 02:18	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			06/03/22 02:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/03/22 02:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/03/22 02:18	1
2-Hexanone	ND		5.0	1.2	ug/L			06/03/22 02:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/03/22 02:18	1
Acetone	ND		10	3.0	ug/L			06/03/22 02:18	1
Benzene	ND		1.0	0.41	ug/L			06/03/22 02:18	1
Bromoform	ND		1.0	0.26	ug/L			06/03/22 02:18	1
Bromomethane	ND		1.0	0.69	ug/L			06/03/22 02:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/03/22 02:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/03/22 02:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/03/22 02:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/03/22 02:18	1
Chloroethane	ND	*-	1.0	0.32	ug/L			06/03/22 02:18	1
Chloroform	ND		1.0	0.34	ug/L			06/03/22 02:18	1
Chloromethane	ND	*-	1.0	0.35	ug/L			06/03/22 02:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/03/22 02:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 02:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/03/22 02:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/03/22 02:18	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 02:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/03/22 02:18	1
Trichloroethene	ND		1.0	0.46	ug/L			06/03/22 02:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/03/22 02:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 02:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/03/22 02:18	1
Styrene	ND		1.0	0.73	ug/L			06/03/22 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*06/03/22 02:18*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/03/22 02:18*	*1*
Toluene-d8 (Surr)	*86*		*80 - 120*		*06/03/22 02:18*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*06/03/22 02:18*	*1*

Client Sample ID: DUP-1
Lab Sample ID: 480-198320-2

Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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			06/03/22 02:42	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/03/22 02:42	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/03/22 02:42	2
1,1-Dichloroethane	**1.2**	**J**	2.0	0.76	ug/L			06/03/22 02:42	2

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: DUP-1
Lab Sample ID: 480-198320-2
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/03/22 02:42	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/03/22 02:42	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			06/03/22 02:42	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/03/22 02:42	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/03/22 02:42	2
2-Hexanone	ND		10	2.5	ug/L			06/03/22 02:42	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/03/22 02:42	2
Acetone	ND		20	6.0	ug/L			06/03/22 02:42	2
Benzene	ND		2.0	0.82	ug/L			06/03/22 02:42	2
Bromoform	ND		2.0	0.52	ug/L			06/03/22 02:42	2
Bromomethane	ND		2.0	1.4	ug/L			06/03/22 02:42	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/03/22 02:42	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/03/22 02:42	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/03/22 02:42	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/03/22 02:42	2
Chloroethane	ND	*-	2.0	0.64	ug/L			06/03/22 02:42	2
Chloroform	ND		2.0	0.68	ug/L			06/03/22 02:42	2
Chloromethane	ND	*-	2.0	0.70	ug/L			06/03/22 02:42	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/03/22 02:42	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/03/22 02:42	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/03/22 02:42	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/03/22 02:42	2
Toluene	ND		2.0	1.0	ug/L			06/03/22 02:42	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/03/22 02:42	2
Trichloroethene	ND		2.0	0.92	ug/L			06/03/22 02:42	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/03/22 02:42	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/03/22 02:42	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/03/22 02:42	2
Styrene	ND		2.0	1.5	ug/L			06/03/22 02:42	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 120*		*06/03/22 02:42*	*2*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/03/22 02:42*	*2*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/03/22 02:42*	*2*
Dibromofluoromethane (Surr)	*91*		*75 - 123*		*06/03/22 02:42*	*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		05/27/22 11:04	05/31/22 20:19	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/27/22 11:04	05/31/22 20:19	1
2,4,5-Trichlorophenol	**0.71**	**J**	5.0	0.48	ug/L		05/27/22 11:04	05/31/22 20:19	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/27/22 11:04	05/31/22 20:19	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/27/22 11:04	05/31/22 20:19	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 20:19	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/27/22 11:04	05/31/22 20:19	1
1,3-Dichlorobenzene	ND	*-	10	0.48	ug/L		05/27/22 11:04	05/31/22 20:19	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 20:19	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 20:19	1
1,4-Dichlorobenzene	ND	*-	10	0.46	ug/L		05/27/22 11:04	05/31/22 20:19	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:19	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: DUP-1
Lab Sample ID: 480-198320-2
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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		05/27/22 11:04	05/31/22 20:19	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/27/22 11:04	05/31/22 20:19	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/27/22 11:04	05/31/22 20:19	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:19	1
2-Nitroaniline	ND		10	0.42	ug/L		05/27/22 11:04	05/31/22 20:19	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 20:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:19	1
3-Nitroaniline	ND		10	0.48	ug/L		05/27/22 11:04	05/31/22 20:19	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 20:19	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 20:19	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 20:19	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 20:19	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 20:19	1
4-Methylphenol	ND		10	0.36	ug/L		05/27/22 11:04	05/31/22 20:19	1
4-Nitroaniline	ND		10	0.25	ug/L		05/27/22 11:04	05/31/22 20:19	1
4-Nitrophenol	ND		10	1.5	ug/L		05/27/22 11:04	05/31/22 20:19	1
Acenaphthene	ND		5.0	0.41	ug/L		05/27/22 11:04	05/31/22 20:19	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/27/22 11:04	05/31/22 20:19	1
Anthracene	ND		5.0	0.28	ug/L		05/27/22 11:04	05/31/22 20:19	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 20:19	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 20:19	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 20:19	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 20:19	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/27/22 11:04	05/31/22 20:19	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 20:19	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:19	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/22 11:04	05/31/22 20:19	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/27/22 11:04	05/31/22 20:19	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/27/22 11:04	05/31/22 20:19	1
Chrysene	ND		5.0	0.33	ug/L		05/27/22 11:04	05/31/22 20:19	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/27/22 11:04	05/31/22 20:19	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 20:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/27/22 11:04	05/31/22 20:19	1
Dibenzofuran	ND		10	0.51	ug/L		05/27/22 11:04	05/31/22 20:19	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/27/22 11:04	05/31/22 20:19	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 20:19	1
Fluoranthene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:19	1
Fluorene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 20:19	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 20:19	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/27/22 11:04	05/31/22 20:19	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 20:19	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 20:19	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 20:19	1
Isophorone	ND		5.0	0.43	ug/L		05/27/22 11:04	05/31/22 20:19	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/27/22 11:04	05/31/22 20:19	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 20:19	1
Naphthalene	ND		5.0	0.76	ug/L		05/27/22 11:04	05/31/22 20:19	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/27/22 11:04	05/31/22 20:19	1
Pentachlorophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 20:19	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: DUP-1
Lab Sample ID: 480-198320-2
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		5.0	0.44	ug/L		05/27/22 11:04	05/31/22 20:19	1
Phenol	ND		5.0	0.39	ug/L		05/27/22 11:04	05/31/22 20:19	1
Pyrene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*41 - 120*	*05/27/22 11:04*	*05/31/22 20:19*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*05/27/22 11:04*	*05/31/22 20:19*	*1*
2-Fluorophenol	*61*		*35 - 120*	*05/27/22 11:04*	*05/31/22 20:19*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*05/27/22 11:04*	*05/31/22 20:19*	*1*
p-Terphenyl-d14	*89*		*60 - 148*	*05/27/22 11:04*	*05/31/22 20:19*	*1*
Phenol-d5	*43*		*22 - 120*	*05/27/22 11:04*	*05/31/22 20:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		06/02/22 15:17	06/03/22 22:13	1
1,2,4-Trichlorobenzene	ND	H	10	0.44	ug/L		06/02/22 15:17	06/03/22 22:13	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 22:13	1
1,2-Dichlorobenzene	ND	H	10	0.40	ug/L		06/02/22 15:17	06/03/22 22:13	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		06/02/22 15:17	06/03/22 22:13	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 22:13	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		06/02/22 15:17	06/03/22 22:13	1
1,3-Dichlorobenzene	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 22:13	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 22:13	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 22:13	1
1,4-Dichlorobenzene	ND	H	10	0.46	ug/L		06/02/22 15:17	06/03/22 22:13	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:13	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		06/02/22 15:17	06/03/22 22:13	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		06/02/22 15:17	06/03/22 22:13	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		06/02/22 15:17	06/03/22 22:13	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:13	1
2-Nitroaniline	ND	H	10	0.42	ug/L		06/02/22 15:17	06/03/22 22:13	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 22:13	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:13	1
3-Nitroaniline	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 22:13	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 22:13	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 22:13	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 22:13	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 22:13	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 22:13	1
4-Methylphenol	ND	H	10	0.36	ug/L		06/02/22 15:17	06/03/22 22:13	1
4-Nitroaniline	ND	*+ H	10	0.25	ug/L		06/02/22 15:17	06/03/22 22:13	1
4-Nitrophenol	ND	H	10	1.5	ug/L		06/02/22 15:17	06/03/22 22:13	1
Acenaphthene	ND	H	5.0	0.41	ug/L		06/02/22 15:17	06/03/22 22:13	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		06/02/22 15:17	06/03/22 22:13	1
Anthracene	ND	H	5.0	0.28	ug/L		06/02/22 15:17	06/03/22 22:13	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 22:13	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 22:13	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 22:13	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 22:13	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		06/02/22 15:17	06/03/22 22:13	1

Client Sample ID: DUP-1
Date Collected: 05/24/22 11:30
Date Received: 05/25/22 11:30

Lab Sample ID: 480-198320-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 22:13	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:13	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		06/02/22 15:17	06/03/22 22:13	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		06/02/22 15:17	06/03/22 22:13	1
Carbazole	ND	*+ H	5.0	0.30	ug/L		06/02/22 15:17	06/03/22 22:13	1
Chrysene	ND	H	5.0	0.33	ug/L		06/02/22 15:17	06/03/22 22:13	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		06/02/22 15:17	06/03/22 22:13	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 22:13	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		06/02/22 15:17	06/03/22 22:13	1
Dibenzofuran	ND	H	10	0.51	ug/L		06/02/22 15:17	06/03/22 22:13	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		06/02/22 15:17	06/03/22 22:13	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 22:13	1
Fluoranthene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:13	1
Fluorene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 22:13	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 22:13	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		06/02/22 15:17	06/03/22 22:13	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 22:13	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 22:13	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 22:13	1
Isophorone	ND	H	5.0	0.43	ug/L		06/02/22 15:17	06/03/22 22:13	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		06/02/22 15:17	06/03/22 22:13	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 22:13	1
Naphthalene	ND	H	5.0	0.76	ug/L		06/02/22 15:17	06/03/22 22:13	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		06/02/22 15:17	06/03/22 22:13	1
Pentachlorophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 22:13	1
Phenanthrene	**0.53**	**J H**	5.0	0.44	ug/L		06/02/22 15:17	06/03/22 22:13	1
Phenol	ND	H	5.0	0.39	ug/L		06/02/22 15:17	06/03/22 22:13	1
Pyrene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*113*		*41 - 120*	*06/02/22 15:17*	*06/03/22 22:13*	*1*
2-Fluorobiphenyl	*99*		*48 - 120*	*06/02/22 15:17*	*06/03/22 22:13*	*1*
2-Fluorophenol	*72*		*35 - 120*	*06/02/22 15:17*	*06/03/22 22:13*	*1*
Nitrobenzene-d5	*98*		*46 - 120*	*06/02/22 15:17*	*06/03/22 22:13*	*1*
p-Terphenyl-d14	*101*		*60 - 148*	*06/02/22 15:17*	*06/03/22 22:13*	*1*
Phenol-d5	*53*		*22 - 120*	*06/02/22 15:17*	*06/03/22 22:13*	*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		05/27/22 15:03	06/01/22 11:56	1
4,4'-DDE	ND	*1	0.050	0.012	ug/L		05/27/22 15:03	06/01/22 11:56	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/27/22 15:03	06/01/22 11:56	1
Aldrin	ND		0.050	0.0081	ug/L		05/27/22 15:03	06/01/22 11:56	1
alpha-BHC	ND	*1	0.050	0.0077	ug/L		05/27/22 15:03	06/01/22 11:56	1
cis-Chlordane	ND	*1	0.050	0.015	ug/L		05/27/22 15:03	06/01/22 11:56	1
beta-BHC	ND	*1	0.050	0.025	ug/L		05/27/22 15:03	06/01/22 11:56	1
delta-BHC	ND	*1	0.050	0.010	ug/L		05/27/22 15:03	06/01/22 11:56	1
Dieldrin	ND	*1	0.050	0.0098	ug/L		05/27/22 15:03	06/01/22 11:56	1
Endosulfan I	ND		0.050	0.011	ug/L		05/27/22 15:03	06/01/22 11:56	1
Endosulfan II	ND		0.050	0.012	ug/L		05/27/22 15:03	06/01/22 11:56	1

Client Sample ID: DUP-1
Date Collected: 05/24/22 11:30
Date Received: 05/25/22 11:30

Lab Sample ID: 480-198320-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/27/22 15:03	06/01/22 11:56	1
Endrin	ND	*1	0.050	0.014	ug/L		05/27/22 15:03	06/01/22 11:56	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/27/22 15:03	06/01/22 11:56	1
Endrin ketone	ND		0.050	0.012	ug/L		05/27/22 15:03	06/01/22 11:56	1
gamma-BHC (Lindane)	ND	*1	0.050	0.0080	ug/L		05/27/22 15:03	06/01/22 11:56	1
trans-Chlordane	ND		0.050	0.011	ug/L		05/27/22 15:03	06/01/22 11:56	1
Heptachlor	ND		0.050	0.0085	ug/L		05/27/22 15:03	06/01/22 11:56	1
Heptachlor epoxide	ND	*1	0.050	0.0074	ug/L		05/27/22 15:03	06/01/22 11:56	1
Methoxychlor	ND		0.050	0.014	ug/L		05/27/22 15:03	06/01/22 11:56	1
Toxaphene	ND		0.50	0.12	ug/L		05/27/22 15:03	06/01/22 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*		*20 - 120*	*05/27/22 15:03*	*06/01/22 11:56*	*1*
Tetrachloro-m-xylene	*73*		*44 - 120*	*05/27/22 15:03*	*06/01/22 11:56*	*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		05/26/22 08:34	05/26/22 22:59	1
PCB-1221	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 22:59	1
PCB-1232	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 22:59	1
PCB-1242	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 22:59	1
PCB-1248	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 22:59	1
PCB-1254	ND		0.50	0.25	ug/L		05/26/22 08:34	05/26/22 22:59	1
PCB-1260	ND		0.50	0.25	ug/L		05/26/22 08:34	05/26/22 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*19 - 120*	*05/26/22 08:34*	*05/26/22 22:59*	*1*
Tetrachloro-m-xylene	*82*		*39 - 121*	*05/26/22 08:34*	*05/26/22 22:59*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.44**		0.20	0.060	mg/L		05/27/22 09:30	05/27/22 14:36	1
Antimony	ND		0.020	0.0068	mg/L		05/27/22 09:30	05/27/22 14:36	1
Arsenic	ND		0.010	0.0056	mg/L		05/27/22 09:30	05/27/22 14:36	1
Barium	**0.042**		0.0020	0.00070	mg/L		05/27/22 09:30	05/27/22 14:36	1
Beryllium	ND		0.0020	0.00030	mg/L		05/27/22 09:30	05/27/22 14:36	1
Cadmium	ND		0.0010	0.00050	mg/L		05/27/22 09:30	05/27/22 14:36	1
Calcium	**53.5**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 14:36	1
Chromium	ND		0.0040	0.0010	mg/L		05/27/22 09:30	05/27/22 14:36	1
Cobalt	ND		0.0040	0.00063	mg/L		05/27/22 09:30	05/27/22 14:36	1
Copper	**0.0017**	**J**	0.010	0.0016	mg/L		05/27/22 09:30	05/27/22 14:36	1
Iron	**2.2**		0.050	0.019	mg/L		05/27/22 09:30	05/27/22 14:36	1
Lead	ND		0.0050	0.0030	mg/L		05/27/22 09:30	05/27/22 14:36	1
Magnesium	**0.67**		0.20	0.043	mg/L		05/27/22 09:30	05/27/22 14:36	1
Manganese	**0.050**		0.0030	0.00040	mg/L		05/27/22 09:30	05/27/22 14:36	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		05/27/22 09:30	05/27/22 14:36	1
Potassium	**36.0**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 14:36	1
Selenium	ND		0.015	0.0087	mg/L		05/27/22 09:30	05/27/22 14:36	1
Silver	ND		0.0030	0.0017	mg/L		05/27/22 09:30	05/27/22 14:36	1
Sodium	**139**		1.0	0.32	mg/L		05/27/22 09:30	05/27/22 14:36	1

Client Sample ID: DUP-1
Lab Sample ID: 480-198320-2
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.020	0.010	mg/L		05/27/22 09:30	05/27/22 14:36	1
Vanadium	**0.0071**		0.0050	0.0015	mg/L		05/27/22 09:30	05/27/22 14:36	1
Zinc	**0.043**		0.010	0.0015	mg/L		05/27/22 09:30	05/27/22 14:36	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		05/27/22 12:05	05/27/22 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.090**		0.010	0.0050	mg/L		06/06/22 11:52	06/07/22 07:49	1

Client Sample ID: RW-4
Lab Sample ID: 480-198320-3
Date Collected: 05/24/22 15:15
Matrix: Water
Date Received: 05/25/22 11:30

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			06/03/22 03:05	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/03/22 03:05	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/03/22 03:05	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			06/03/22 03:05	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/03/22 03:05	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/03/22 03:05	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			06/03/22 03:05	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/03/22 03:05	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/03/22 03:05	2
2-Hexanone	ND		10	2.5	ug/L			06/03/22 03:05	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/03/22 03:05	2
Acetone	ND		20	6.0	ug/L			06/03/22 03:05	2
Benzene	**3.4**		2.0	0.82	ug/L			06/03/22 03:05	2
Bromoform	ND		2.0	0.52	ug/L			06/03/22 03:05	2
Bromomethane	ND		2.0	1.4	ug/L			06/03/22 03:05	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/03/22 03:05	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/03/22 03:05	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/03/22 03:05	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/03/22 03:05	2
Chloroethane	ND	*-	2.0	0.64	ug/L			06/03/22 03:05	2
Chloroform	ND		2.0	0.68	ug/L			06/03/22 03:05	2
Chloromethane	ND	*-	2.0	0.70	ug/L			06/03/22 03:05	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/03/22 03:05	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/03/22 03:05	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/03/22 03:05	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/03/22 03:05	2
Toluene	ND		2.0	1.0	ug/L			06/03/22 03:05	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/03/22 03:05	2
Trichloroethene	ND		2.0	0.92	ug/L			06/03/22 03:05	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/03/22 03:05	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/03/22 03:05	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/03/22 03:05	2

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: RW-4
Lab Sample ID: 480-198320-3
Date Collected: 05/24/22 15:15
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2.0	1.5	ug/L			06/03/22 03:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*77 - 120*		*06/03/22 03:05*	*2*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*06/03/22 03:05*	*2*
Toluene-d8 (Surr)	*85*		*80 - 120*		*06/03/22 03:05*	*2*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*06/03/22 03:05*	*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		05/27/22 11:04	05/31/22 20:48	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/27/22 11:04	05/31/22 20:48	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 20:48	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/27/22 11:04	05/31/22 20:48	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/27/22 11:04	05/31/22 20:48	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 20:48	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/27/22 11:04	05/31/22 20:48	1
1,3-Dichlorobenzene	ND	*-	10	0.48	ug/L		05/27/22 11:04	05/31/22 20:48	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 20:48	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 20:48	1
1,4-Dichlorobenzene	ND	*-	10	0.46	ug/L		05/27/22 11:04	05/31/22 20:48	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:48	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/27/22 11:04	05/31/22 20:48	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/27/22 11:04	05/31/22 20:48	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/27/22 11:04	05/31/22 20:48	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:48	1
2-Nitroaniline	ND		10	0.42	ug/L		05/27/22 11:04	05/31/22 20:48	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 20:48	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:48	1
3-Nitroaniline	ND		10	0.48	ug/L		05/27/22 11:04	05/31/22 20:48	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 20:48	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 20:48	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 20:48	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 20:48	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 20:48	1
4-Methylphenol	ND		10	0.36	ug/L		05/27/22 11:04	05/31/22 20:48	1
4-Nitroaniline	ND		10	0.25	ug/L		05/27/22 11:04	05/31/22 20:48	1
4-Nitrophenol	ND		10	1.5	ug/L		05/27/22 11:04	05/31/22 20:48	1
Acenaphthene	ND		5.0	0.41	ug/L		05/27/22 11:04	05/31/22 20:48	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/27/22 11:04	05/31/22 20:48	1
Anthracene	ND		5.0	0.28	ug/L		05/27/22 11:04	05/31/22 20:48	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 20:48	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 20:48	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 20:48	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 20:48	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/27/22 11:04	05/31/22 20:48	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 20:48	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:48	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/22 11:04	05/31/22 20:48	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/27/22 11:04	05/31/22 20:48	1

Client Sample ID: RW-4
Lab Sample ID: 480-198320-3
Date Collected: 05/24/22 15:15
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	ND	*+	5.0	0.30	ug/L		05/27/22 11:04	05/31/22 20:48	1
Chrysene	ND		5.0	0.33	ug/L		05/27/22 11:04	05/31/22 20:48	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/27/22 11:04	05/31/22 20:48	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 20:48	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/27/22 11:04	05/31/22 20:48	1
Dibenzofuran	ND		10	0.51	ug/L		05/27/22 11:04	05/31/22 20:48	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/27/22 11:04	05/31/22 20:48	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 20:48	1
Fluoranthene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 20:48	1
Fluorene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 20:48	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 20:48	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/27/22 11:04	05/31/22 20:48	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 20:48	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 20:48	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 20:48	1
Isophorone	ND		5.0	0.43	ug/L		05/27/22 11:04	05/31/22 20:48	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/27/22 11:04	05/31/22 20:48	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 20:48	1
Naphthalene	ND		5.0	0.76	ug/L		05/27/22 11:04	05/31/22 20:48	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/27/22 11:04	05/31/22 20:48	1
Pentachlorophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 20:48	1
Phenanthrene	ND		5.0	0.44	ug/L		05/27/22 11:04	05/31/22 20:48	1
Phenol	ND		5.0	0.39	ug/L		05/27/22 11:04	05/31/22 20:48	1
Pyrene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*99*		*41 - 120*	*05/27/22 11:04*	*05/31/22 20:48*	*1*
2-Fluorobiphenyl	*91*		*48 - 120*	*05/27/22 11:04*	*05/31/22 20:48*	*1*
2-Fluorophenol	*63*		*35 - 120*	*05/27/22 11:04*	*05/31/22 20:48*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*05/27/22 11:04*	*05/31/22 20:48*	*1*
p-Terphenyl-d14	*80*		*60 - 148*	*05/27/22 11:04*	*05/31/22 20:48*	*1*
Phenol-d5	*45*		*22 - 120*	*05/27/22 11:04*	*05/31/22 20:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		06/02/22 15:17	06/03/22 22:41	1
1,2,4-Trichlorobenzene	ND	H	10	0.44	ug/L		06/02/22 15:17	06/03/22 22:41	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 22:41	1
1,2-Dichlorobenzene	ND	H	10	0.40	ug/L		06/02/22 15:17	06/03/22 22:41	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		06/02/22 15:17	06/03/22 22:41	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 22:41	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		06/02/22 15:17	06/03/22 22:41	1
1,3-Dichlorobenzene	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 22:41	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 22:41	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 22:41	1
1,4-Dichlorobenzene	ND	H	10	0.46	ug/L		06/02/22 15:17	06/03/22 22:41	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:41	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		06/02/22 15:17	06/03/22 22:41	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		06/02/22 15:17	06/03/22 22:41	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		06/02/22 15:17	06/03/22 22:41	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: RW-4
Lab Sample ID: 480-198320-3
Date Collected: 05/24/22 15:15
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:41	1
2-Nitroaniline	ND	H	10	0.42	ug/L		06/02/22 15:17	06/03/22 22:41	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 22:41	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:41	1
3-Nitroaniline	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 22:41	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 22:41	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 22:41	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 22:41	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 22:41	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 22:41	1
4-Methylphenol	ND	H	10	0.36	ug/L		06/02/22 15:17	06/03/22 22:41	1
4-Nitroaniline	ND	*+ H	10	0.25	ug/L		06/02/22 15:17	06/03/22 22:41	1
4-Nitrophenol	ND	H	10	1.5	ug/L		06/02/22 15:17	06/03/22 22:41	1
Acenaphthene	ND	H	5.0	0.41	ug/L		06/02/22 15:17	06/03/22 22:41	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		06/02/22 15:17	06/03/22 22:41	1
Anthracene	ND	H	5.0	0.28	ug/L		06/02/22 15:17	06/03/22 22:41	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 22:41	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 22:41	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 22:41	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 22:41	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		06/02/22 15:17	06/03/22 22:41	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 22:41	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:41	1
Bis(2-ethylhexyl) phthalate	**7.8**	**H**	5.0	2.2	ug/L		06/02/22 15:17	06/03/22 22:41	1
Butyl benzyl phthalate	**4.5**	**J H**	5.0	1.0	ug/L		06/02/22 15:17	06/03/22 22:41	1
Carbazole	ND	*+ H	5.0	0.30	ug/L		06/02/22 15:17	06/03/22 22:41	1
Chrysene	ND	H	5.0	0.33	ug/L		06/02/22 15:17	06/03/22 22:41	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		06/02/22 15:17	06/03/22 22:41	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 22:41	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		06/02/22 15:17	06/03/22 22:41	1
Dibenzofuran	ND	H	10	0.51	ug/L		06/02/22 15:17	06/03/22 22:41	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		06/02/22 15:17	06/03/22 22:41	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 22:41	1
Fluoranthene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 22:41	1
Fluorene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 22:41	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 22:41	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		06/02/22 15:17	06/03/22 22:41	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 22:41	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 22:41	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 22:41	1
Isophorone	ND	H	5.0	0.43	ug/L		06/02/22 15:17	06/03/22 22:41	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		06/02/22 15:17	06/03/22 22:41	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 22:41	1
Naphthalene	ND	H	5.0	0.76	ug/L		06/02/22 15:17	06/03/22 22:41	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		06/02/22 15:17	06/03/22 22:41	1
Pentachlorophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 22:41	1
Phenanthrene	ND	H	5.0	0.44	ug/L		06/02/22 15:17	06/03/22 22:41	1
Phenol	**1.5**	**J H**	5.0	0.39	ug/L		06/02/22 15:17	06/03/22 22:41	1
Pyrene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 22:41	1

Client Sample ID: RW-4
Lab Sample ID: 480-198320-3
Date Collected: 05/24/22 15:15
Matrix: Water
Date Received: 05/25/22 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	*114*		*41 - 120*	*06/02/22 15:17*	*06/03/22 22:41*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*06/02/22 15:17*	*06/03/22 22:41*	*1*
2-Fluorophenol	*66*		*35 - 120*	*06/02/22 15:17*	*06/03/22 22:41*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*06/02/22 15:17*	*06/03/22 22:41*	*1*
p-Terphenyl-d14	*88*		*60 - 148*	*06/02/22 15:17*	*06/03/22 22:41*	*1*
Phenol-d5	*51*		*22 - 120*	*06/02/22 15:17*	*06/03/22 22:41*	*1*

Client Sample ID: RW-5
Lab Sample ID: 480-198320-4
Date Collected: 05/24/22 16:55
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			06/03/22 03:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/03/22 03:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/03/22 03:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/03/22 03:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/03/22 03:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/03/22 03:28	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			06/03/22 03:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/03/22 03:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/03/22 03:28	1
2-Hexanone	ND		5.0	1.2	ug/L			06/03/22 03:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/03/22 03:28	1
Acetone	ND		10	3.0	ug/L			06/03/22 03:28	1
Benzene	ND		1.0	0.41	ug/L			06/03/22 03:28	1
Bromoform	ND		1.0	0.26	ug/L			06/03/22 03:28	1
Bromomethane	ND		1.0	0.69	ug/L			06/03/22 03:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/03/22 03:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/03/22 03:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/03/22 03:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/03/22 03:28	1
Chloroethane	ND	*-	1.0	0.32	ug/L			06/03/22 03:28	1
Chloroform	ND		1.0	0.34	ug/L			06/03/22 03:28	1
Chloromethane	ND	*-	1.0	0.35	ug/L			06/03/22 03:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/03/22 03:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/03/22 03:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/03/22 03:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/03/22 03:28	1
Toluene	ND		1.0	0.51	ug/L			06/03/22 03:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/03/22 03:28	1
Trichloroethene	ND		1.0	0.46	ug/L			06/03/22 03:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/03/22 03:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/03/22 03:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/03/22 03:28	1
Styrene	ND		1.0	0.73	ug/L			06/03/22 03:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*88*		*77 - 120*		*06/03/22 03:28*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/03/22 03:28*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*06/03/22 03:28*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: RW-5
Lab Sample ID: 480-198320-4
Date Collected: 05/24/22 16:55
Matrix: Water
Date Received: 05/25/22 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*06/03/22 03:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/27/22 11:04	05/31/22 21:16	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/27/22 11:04	05/31/22 21:16	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 21:16	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/27/22 11:04	05/31/22 21:16	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/27/22 11:04	05/31/22 21:16	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 21:16	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/27/22 11:04	05/31/22 21:16	1
1,3-Dichlorobenzene	ND	*-	10	0.48	ug/L		05/27/22 11:04	05/31/22 21:16	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 21:16	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 21:16	1
1,4-Dichlorobenzene	ND	*-	10	0.46	ug/L		05/27/22 11:04	05/31/22 21:16	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:16	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/27/22 11:04	05/31/22 21:16	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/27/22 11:04	05/31/22 21:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/27/22 11:04	05/31/22 21:16	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:16	1
2-Nitroaniline	ND		10	0.42	ug/L		05/27/22 11:04	05/31/22 21:16	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 21:16	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:16	1
3-Nitroaniline	ND		10	0.48	ug/L		05/27/22 11:04	05/31/22 21:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 21:16	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 21:16	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 21:16	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 21:16	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 21:16	1
4-Methylphenol	ND		10	0.36	ug/L		05/27/22 11:04	05/31/22 21:16	1
4-Nitroaniline	ND		10	0.25	ug/L		05/27/22 11:04	05/31/22 21:16	1
4-Nitrophenol	ND		10	1.5	ug/L		05/27/22 11:04	05/31/22 21:16	1
Acenaphthene	ND		5.0	0.41	ug/L		05/27/22 11:04	05/31/22 21:16	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/27/22 11:04	05/31/22 21:16	1
Anthracene	ND		5.0	0.28	ug/L		05/27/22 11:04	05/31/22 21:16	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 21:16	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 21:16	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 21:16	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 21:16	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/27/22 11:04	05/31/22 21:16	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 21:16	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/22 11:04	05/31/22 21:16	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/27/22 11:04	05/31/22 21:16	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/27/22 11:04	05/31/22 21:16	1
Chrysene	ND		5.0	0.33	ug/L		05/27/22 11:04	05/31/22 21:16	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/27/22 11:04	05/31/22 21:16	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 21:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/27/22 11:04	05/31/22 21:16	1

Client Sample ID: RW-5
Lab Sample ID: 480-198320-4
Date Collected: 05/24/22 16:55
Matrix: Water
Date Received: 05/25/22 11:30

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		05/27/22 11:04	05/31/22 21:16	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/27/22 11:04	05/31/22 21:16	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 21:16	1
Fluoranthene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:16	1
Fluorene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 21:16	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 21:16	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/27/22 11:04	05/31/22 21:16	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 21:16	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 21:16	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 21:16	1
Isophorone	ND		5.0	0.43	ug/L		05/27/22 11:04	05/31/22 21:16	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/27/22 11:04	05/31/22 21:16	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 21:16	1
Naphthalene	ND		5.0	0.76	ug/L		05/27/22 11:04	05/31/22 21:16	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/27/22 11:04	05/31/22 21:16	1
Pentachlorophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 21:16	1
Phenanthrene	ND		5.0	0.44	ug/L		05/27/22 11:04	05/31/22 21:16	1
Phenol	ND		5.0	0.39	ug/L		05/27/22 11:04	05/31/22 21:16	1
Pyrene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*41 - 120*	*05/27/22 11:04*	*05/31/22 21:16*	*1*
2-Fluorobiphenyl	*93*		*48 - 120*	*05/27/22 11:04*	*05/31/22 21:16*	*1*
2-Fluorophenol	*59*		*35 - 120*	*05/27/22 11:04*	*05/31/22 21:16*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*05/27/22 11:04*	*05/31/22 21:16*	*1*
p-Terphenyl-d14	*87*		*60 - 148*	*05/27/22 11:04*	*05/31/22 21:16*	*1*
Phenol-d5	*44*		*22 - 120*	*05/27/22 11:04*	*05/31/22 21:16*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		06/02/22 15:17	06/03/22 23:08	1
1,2,4-Trichlorobenzene	ND	H	10	0.44	ug/L		06/02/22 15:17	06/03/22 23:08	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 23:08	1
1,2-Dichlorobenzene	ND	H	10	0.40	ug/L		06/02/22 15:17	06/03/22 23:08	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		06/02/22 15:17	06/03/22 23:08	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 23:08	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		06/02/22 15:17	06/03/22 23:08	1
1,3-Dichlorobenzene	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 23:08	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 23:08	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 23:08	1
1,4-Dichlorobenzene	ND	H	10	0.46	ug/L		06/02/22 15:17	06/03/22 23:08	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:08	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		06/02/22 15:17	06/03/22 23:08	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		06/02/22 15:17	06/03/22 23:08	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		06/02/22 15:17	06/03/22 23:08	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:08	1
2-Nitroaniline	ND	H	10	0.42	ug/L		06/02/22 15:17	06/03/22 23:08	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 23:08	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:08	1
3-Nitroaniline	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 23:08	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: RW-5
Lab Sample ID: 480-198320-4
Date Collected: 05/24/22 16:55
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 23:08	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 23:08	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 23:08	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 23:08	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 23:08	1
4-Methylphenol	ND	H	10	0.36	ug/L		06/02/22 15:17	06/03/22 23:08	1
4-Nitroaniline	ND	*+ H	10	0.25	ug/L		06/02/22 15:17	06/03/22 23:08	1
4-Nitrophenol	ND	H	10	1.5	ug/L		06/02/22 15:17	06/03/22 23:08	1
Acenaphthene	ND	H	5.0	0.41	ug/L		06/02/22 15:17	06/03/22 23:08	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		06/02/22 15:17	06/03/22 23:08	1
Anthracene	ND	H	5.0	0.28	ug/L		06/02/22 15:17	06/03/22 23:08	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 23:08	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 23:08	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 23:08	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 23:08	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		06/02/22 15:17	06/03/22 23:08	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 23:08	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:08	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		06/02/22 15:17	06/03/22 23:08	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		06/02/22 15:17	06/03/22 23:08	1
Carbazole	ND	*+ H	5.0	0.30	ug/L		06/02/22 15:17	06/03/22 23:08	1
Chrysene	ND	H	5.0	0.33	ug/L		06/02/22 15:17	06/03/22 23:08	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		06/02/22 15:17	06/03/22 23:08	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 23:08	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		06/02/22 15:17	06/03/22 23:08	1
Dibenzofuran	ND	H	10	0.51	ug/L		06/02/22 15:17	06/03/22 23:08	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		06/02/22 15:17	06/03/22 23:08	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 23:08	1
Fluoranthene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:08	1
Fluorene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 23:08	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 23:08	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		06/02/22 15:17	06/03/22 23:08	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 23:08	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 23:08	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 23:08	1
Isophorone	ND	H	5.0	0.43	ug/L		06/02/22 15:17	06/03/22 23:08	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		06/02/22 15:17	06/03/22 23:08	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 23:08	1
Naphthalene	ND	H	5.0	0.76	ug/L		06/02/22 15:17	06/03/22 23:08	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		06/02/22 15:17	06/03/22 23:08	1
Pentachlorophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 23:08	1
Phenanthrene	ND	H	5.0	0.44	ug/L		06/02/22 15:17	06/03/22 23:08	1
Phenol	ND	H	5.0	0.39	ug/L		06/02/22 15:17	06/03/22 23:08	1
Pyrene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 23:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*105*		*41 - 120*	*06/02/22 15:17*	*06/03/22 23:08*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*06/02/22 15:17*	*06/03/22 23:08*	*1*
2-Fluorophenol	*71*		*35 - 120*	*06/02/22 15:17*	*06/03/22 23:08*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*06/02/22 15:17*	*06/03/22 23:08*	*1*

Client Sample ID: RW-5
Lab Sample ID: 480-198320-4
Date Collected: 05/24/22 16:55
Matrix: Water
Date Received: 05/25/22 11:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14	*90*		*60 - 148*	*06/02/22 15:17*	*06/03/22 23:08*	*1*
Phenol-d5	*54*		*22 - 120*	*06/02/22 15:17*	*06/03/22 23:08*	*1*

Client Sample ID: S-1
Lab Sample ID: 480-198320-5
Date Collected: 05/24/22 10:30
Matrix: Water
Date Received: 05/25/22 11:30

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			06/03/22 03:51	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/03/22 03:51	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/03/22 03:51	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/03/22 03:51	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/03/22 03:51	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/03/22 03:51	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			06/03/22 03:51	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/03/22 03:51	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/03/22 03:51	4
2-Hexanone	ND		20	5.0	ug/L			06/03/22 03:51	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/03/22 03:51	4
Acetone	ND		40	12	ug/L			06/03/22 03:51	4
Benzene	ND		4.0	1.6	ug/L			06/03/22 03:51	4
Bromoform	ND		4.0	1.0	ug/L			06/03/22 03:51	4
Bromomethane	ND		4.0	2.8	ug/L			06/03/22 03:51	4
Carbon disulfide	ND		4.0	0.76	ug/L			06/03/22 03:51	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/03/22 03:51	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/03/22 03:51	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/03/22 03:51	4
Chloroethane	ND	*-	4.0	1.3	ug/L			06/03/22 03:51	4
Chloroform	ND		4.0	1.4	ug/L			06/03/22 03:51	4
Chloromethane	ND	*-	4.0	1.4	ug/L			06/03/22 03:51	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/03/22 03:51	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/03/22 03:51	4
Methylene Chloride	ND		4.0	1.8	ug/L			06/03/22 03:51	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/03/22 03:51	4
Toluene	ND		4.0	2.0	ug/L			06/03/22 03:51	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/03/22 03:51	4
Trichloroethene	ND		4.0	1.8	ug/L			06/03/22 03:51	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/03/22 03:51	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/03/22 03:51	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/03/22 03:51	4
Styrene	ND		4.0	2.9	ug/L			06/03/22 03:51	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*85*		*77 - 120*		*06/03/22 03:51*	*4*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/03/22 03:51*	*4*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/03/22 03:51*	*4*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*06/03/22 03:51*	*4*

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-1
Lab Sample ID: 480-198320-5
Date Collected: 05/24/22 10:30
Matrix: Water
Date Received: 05/25/22 11:30

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		05/27/22 11:04	05/31/22 21:44	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/27/22 11:04	05/31/22 21:44	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 21:44	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/27/22 11:04	05/31/22 21:44	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/27/22 11:04	05/31/22 21:44	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 21:44	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/27/22 11:04	05/31/22 21:44	1
1,3-Dichlorobenzene	ND	*-	10	0.48	ug/L		05/27/22 11:04	05/31/22 21:44	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 21:44	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 21:44	1
1,4-Dichlorobenzene	ND	*-	10	0.46	ug/L		05/27/22 11:04	05/31/22 21:44	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:44	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/27/22 11:04	05/31/22 21:44	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/27/22 11:04	05/31/22 21:44	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/27/22 11:04	05/31/22 21:44	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:44	1
2-Nitroaniline	ND		10	0.42	ug/L		05/27/22 11:04	05/31/22 21:44	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 21:44	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:44	1
3-Nitroaniline	ND		10	0.48	ug/L		05/27/22 11:04	05/31/22 21:44	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 21:44	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 21:44	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 21:44	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 21:44	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 21:44	1
4-Methylphenol	ND		10	0.36	ug/L		05/27/22 11:04	05/31/22 21:44	1
4-Nitroaniline	ND		10	0.25	ug/L		05/27/22 11:04	05/31/22 21:44	1
4-Nitrophenol	ND		10	1.5	ug/L		05/27/22 11:04	05/31/22 21:44	1
Acenaphthene	ND		5.0	0.41	ug/L		05/27/22 11:04	05/31/22 21:44	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/27/22 11:04	05/31/22 21:44	1
Anthracene	ND		5.0	0.28	ug/L		05/27/22 11:04	05/31/22 21:44	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 21:44	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 21:44	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 21:44	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 21:44	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/27/22 11:04	05/31/22 21:44	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 21:44	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:44	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/27/22 11:04	05/31/22 21:44	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/27/22 11:04	05/31/22 21:44	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/27/22 11:04	05/31/22 21:44	1
Chrysene	ND		5.0	0.33	ug/L		05/27/22 11:04	05/31/22 21:44	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/27/22 11:04	05/31/22 21:44	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 21:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/27/22 11:04	05/31/22 21:44	1
Dibenzofuran	ND		10	0.51	ug/L		05/27/22 11:04	05/31/22 21:44	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/27/22 11:04	05/31/22 21:44	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 21:44	1
Fluoranthene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 21:44	1

Client Sample ID: S-1
Lab Sample ID: 480-198320-5
Date Collected: 05/24/22 10:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 21:44	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 21:44	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/27/22 11:04	05/31/22 21:44	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 21:44	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 21:44	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 21:44	1
Isophorone	ND		5.0	0.43	ug/L		05/27/22 11:04	05/31/22 21:44	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/27/22 11:04	05/31/22 21:44	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 21:44	1
Naphthalene	ND		5.0	0.76	ug/L		05/27/22 11:04	05/31/22 21:44	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/27/22 11:04	05/31/22 21:44	1
Pentachlorophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 21:44	1
Phenanthrene	ND		5.0	0.44	ug/L		05/27/22 11:04	05/31/22 21:44	1
Phenol	ND		5.0	0.39	ug/L		05/27/22 11:04	05/31/22 21:44	1
Pyrene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*41 - 120*	*05/27/22 11:04*	*05/31/22 21:44*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*05/27/22 11:04*	*05/31/22 21:44*	*1*
2-Fluorophenol	*63*		*35 - 120*	*05/27/22 11:04*	*05/31/22 21:44*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*05/27/22 11:04*	*05/31/22 21:44*	*1*
p-Terphenyl-d14	*71*		*60 - 148*	*05/27/22 11:04*	*05/31/22 21:44*	*1*
Phenol-d5	*44*		*22 - 120*	*05/27/22 11:04*	*05/31/22 21:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		06/02/22 15:17	06/03/22 23:36	1
1,2,4-Trichlorobenzene	ND	H	10	0.44	ug/L		06/02/22 15:17	06/03/22 23:36	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 23:36	1
1,2-Dichlorobenzene	ND	H	10	0.40	ug/L		06/02/22 15:17	06/03/22 23:36	1
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		06/02/22 15:17	06/03/22 23:36	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 23:36	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		06/02/22 15:17	06/03/22 23:36	1
1,3-Dichlorobenzene	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 23:36	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 23:36	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 23:36	1
1,4-Dichlorobenzene	ND	H	10	0.46	ug/L		06/02/22 15:17	06/03/22 23:36	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:36	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		06/02/22 15:17	06/03/22 23:36	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		06/02/22 15:17	06/03/22 23:36	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		06/02/22 15:17	06/03/22 23:36	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:36	1
2-Nitroaniline	ND	H	10	0.42	ug/L		06/02/22 15:17	06/03/22 23:36	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/03/22 23:36	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:36	1
3-Nitroaniline	ND	H	10	0.48	ug/L		06/02/22 15:17	06/03/22 23:36	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 23:36	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 23:36	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/03/22 23:36	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 23:36	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-1
Lab Sample ID: 480-198320-5
Date Collected: 05/24/22 10:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 23:36	1
4-Methylphenol	ND	H	10	0.36	ug/L		06/02/22 15:17	06/03/22 23:36	1
4-Nitroaniline	ND	*+ H	10	0.25	ug/L		06/02/22 15:17	06/03/22 23:36	1
4-Nitrophenol	ND	H	10	1.5	ug/L		06/02/22 15:17	06/03/22 23:36	1
Acenaphthene	ND	H	5.0	0.41	ug/L		06/02/22 15:17	06/03/22 23:36	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		06/02/22 15:17	06/03/22 23:36	1
Anthracene	ND	H	5.0	0.28	ug/L		06/02/22 15:17	06/03/22 23:36	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 23:36	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 23:36	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 23:36	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 23:36	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		06/02/22 15:17	06/03/22 23:36	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/03/22 23:36	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:36	1
Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2	ug/L		06/02/22 15:17	06/03/22 23:36	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		06/02/22 15:17	06/03/22 23:36	1
Carbazole	ND	*+ H	5.0	0.30	ug/L		06/02/22 15:17	06/03/22 23:36	1
Chrysene	ND	H	5.0	0.33	ug/L		06/02/22 15:17	06/03/22 23:36	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		06/02/22 15:17	06/03/22 23:36	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 23:36	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		06/02/22 15:17	06/03/22 23:36	1
Dibenzofuran	ND	H	10	0.51	ug/L		06/02/22 15:17	06/03/22 23:36	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		06/02/22 15:17	06/03/22 23:36	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 23:36	1
Fluoranthene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/03/22 23:36	1
Fluorene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/03/22 23:36	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 23:36	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		06/02/22 15:17	06/03/22 23:36	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 23:36	1
Hexachloroethane	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/03/22 23:36	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/03/22 23:36	1
Isophorone	ND	H	5.0	0.43	ug/L		06/02/22 15:17	06/03/22 23:36	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		06/02/22 15:17	06/03/22 23:36	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/03/22 23:36	1
Naphthalene	ND	H	5.0	0.76	ug/L		06/02/22 15:17	06/03/22 23:36	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		06/02/22 15:17	06/03/22 23:36	1
Pentachlorophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/03/22 23:36	1
Phenanthrene	ND	H	5.0	0.44	ug/L		06/02/22 15:17	06/03/22 23:36	1
Phenol	ND	H	5.0	0.39	ug/L		06/02/22 15:17	06/03/22 23:36	1
Pyrene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/03/22 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*41 - 120*	*06/02/22 15:17*	*06/03/22 23:36*	*1*
2-Fluorobiphenyl	*80*		*48 - 120*	*06/02/22 15:17*	*06/03/22 23:36*	*1*
2-Fluorophenol	*55*		*35 - 120*	*06/02/22 15:17*	*06/03/22 23:36*	*1*
Nitrobenzene-d5	*76*		*46 - 120*	*06/02/22 15:17*	*06/03/22 23:36*	*1*
p-Terphenyl-d14	*67*		*60 - 148*	*06/02/22 15:17*	*06/03/22 23:36*	*1*
Phenol-d5	*40*		*22 - 120*	*06/02/22 15:17*	*06/03/22 23:36*	*1*

Client Sample ID: S-1
Lab Sample ID: 480-198320-5

Date Collected: 05/24/22 10:30
Matrix: Water
Date Received: 05/25/22 11:30

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		05/27/22 15:03	05/31/22 14:42	1
4,4'-DDE	ND	*1	0.050	0.012	ug/L		05/27/22 15:03	05/31/22 14:42	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 14:42	1
Aldrin	ND		0.050	0.0081	ug/L		05/27/22 15:03	05/31/22 14:42	1
alpha-BHC	ND	*1	0.050	0.0077	ug/L		05/27/22 15:03	05/31/22 14:42	1
cis-Chlordane	ND	*1	0.050	0.015	ug/L		05/27/22 15:03	05/31/22 14:42	1
beta-BHC	ND	*1	0.050	0.025	ug/L		05/27/22 15:03	05/31/22 14:42	1
delta-BHC	ND	*1	0.050	0.010	ug/L		05/27/22 15:03	05/31/22 14:42	1
Dieldrin	ND	*1	0.050	0.0098	ug/L		05/27/22 15:03	05/31/22 14:42	1
Endosulfan I	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 14:42	1
Endosulfan II	ND		0.050	0.012	ug/L		05/27/22 15:03	05/31/22 14:42	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/27/22 15:03	05/31/22 14:42	1
Endrin	ND	*1	0.050	0.014	ug/L		05/27/22 15:03	05/31/22 14:42	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/27/22 15:03	05/31/22 14:42	1
Endrin ketone	ND		0.050	0.012	ug/L		05/27/22 15:03	05/31/22 14:42	1
gamma-BHC (Lindane)	ND	*1	0.050	0.0080	ug/L		05/27/22 15:03	05/31/22 14:42	1
trans-Chlordane	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 14:42	1
Heptachlor	ND		0.050	0.0085	ug/L		05/27/22 15:03	05/31/22 14:42	1
Heptachlor epoxide	ND	*1	0.050	0.0074	ug/L		05/27/22 15:03	05/31/22 14:42	1
Methoxychlor	ND		0.050	0.014	ug/L		05/27/22 15:03	05/31/22 14:42	1
Toxaphene	ND		0.50	0.12	ug/L		05/27/22 15:03	05/31/22 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*20 - 120*	*05/27/22 15:03*	*05/31/22 14:42*	*1*
Tetrachloro-m-xylene	*81*		*44 - 120*	*05/27/22 15:03*	*05/31/22 14:42*	*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		05/26/22 08:34	05/26/22 23:12	1
PCB-1221	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:12	1
PCB-1232	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:12	1
PCB-1242	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:12	1
PCB-1248	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:12	1
PCB-1254	ND		0.50	0.25	ug/L		05/26/22 08:34	05/26/22 23:12	1
PCB-1260	ND		0.50	0.25	ug/L		05/26/22 08:34	05/26/22 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*		*19 - 120*	*05/26/22 08:34*	*05/26/22 23:12*	*1*
Tetrachloro-m-xylene	*84*		*39 - 121*	*05/26/22 08:34*	*05/26/22 23:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.087**	**J**	0.20	0.060	mg/L		05/27/22 09:30	05/27/22 14:40	1
Antimony	ND		0.020	0.0068	mg/L		05/27/22 09:30	05/27/22 14:40	1
Arsenic	ND		0.010	0.0056	mg/L		05/27/22 09:30	05/27/22 14:40	1
Barium	**0.019**		0.0020	0.00070	mg/L		05/27/22 09:30	05/27/22 14:40	1
Beryllium	ND		0.0020	0.00030	mg/L		05/27/22 09:30	05/27/22 14:40	1
Cadmium	ND		0.0010	0.00050	mg/L		05/27/22 09:30	05/27/22 14:40	1
Calcium	**48.3**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 14:40	1
Chromium	ND		0.0040	0.0010	mg/L		05/27/22 09:30	05/27/22 14:40	1

Client Sample ID: S-1
Lab Sample ID: 480-198320-5
Date Collected: 05/24/22 10:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	ND		0.0040	0.00063	mg/L		05/27/22 09:30	05/27/22 14:40	1
Copper	**0.0021**	**J**	0.010	0.0016	mg/L		05/27/22 09:30	05/27/22 14:40	1
Iron	**0.40**		0.050	0.019	mg/L		05/27/22 09:30	05/27/22 14:40	1
Lead	ND		0.0050	0.0030	mg/L		05/27/22 09:30	05/27/22 14:40	1
Magnesium	**14.5**		0.20	0.043	mg/L		05/27/22 09:30	05/27/22 14:40	1
Manganese	**0.46**		0.0030	0.00040	mg/L		05/27/22 09:30	05/27/22 14:40	1
Nickel	ND		0.010	0.0013	mg/L		05/27/22 09:30	05/27/22 14:40	1
Potassium	**2.5**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 14:40	1
Selenium	ND		0.015	0.0087	mg/L		05/27/22 09:30	05/27/22 14:40	1
Silver	ND		0.0030	0.0017	mg/L		05/27/22 09:30	05/27/22 14:40	1
Sodium	**1.7**		1.0	0.32	mg/L		05/27/22 09:30	05/27/22 14:40	1
Thallium	ND		0.020	0.010	mg/L		05/27/22 09:30	05/27/22 14:40	1
Vanadium	ND		0.0050	0.0015	mg/L		05/27/22 09:30	05/27/22 14:40	1
Zinc	**0.028**		0.010	0.0015	mg/L		05/27/22 09:30	05/27/22 14:40	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		05/27/22 12:05	05/27/22 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.0081**	**J**	0.010	0.0050	mg/L		06/06/22 11:52	06/07/22 07:51	1

Client Sample ID: S-2
Lab Sample ID: 480-198320-6
Date Collected: 05/24/22 11:00
Matrix: Water
Date Received: 05/25/22 11:30

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			06/03/22 04:14	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			06/03/22 04:14	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			06/03/22 04:14	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			06/03/22 04:14	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			06/03/22 04:14	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			06/03/22 04:14	4
1,2-Dichloroethene, Total	ND		8.0	3.2	ug/L			06/03/22 04:14	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			06/03/22 04:14	4
2-Butanone (MEK)	ND		40	5.3	ug/L			06/03/22 04:14	4
2-Hexanone	ND		20	5.0	ug/L			06/03/22 04:14	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			06/03/22 04:14	4
Acetone	ND		40	12	ug/L			06/03/22 04:14	4
Benzene	ND		4.0	1.6	ug/L			06/03/22 04:14	4
Bromoform	ND		4.0	1.0	ug/L			06/03/22 04:14	4
Bromomethane	ND		4.0	2.8	ug/L			06/03/22 04:14	4
Carbon disulfide	ND		4.0	0.76	ug/L			06/03/22 04:14	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			06/03/22 04:14	4
Chlorobenzene	ND		4.0	3.0	ug/L			06/03/22 04:14	4
Dibromochloromethane	ND		4.0	1.3	ug/L			06/03/22 04:14	4
Chloroethane	ND	*-	4.0	1.3	ug/L			06/03/22 04:14	4
Chloroform	ND		4.0	1.4	ug/L			06/03/22 04:14	4

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-2
Lab Sample ID: 480-198320-6
Date Collected: 05/24/22 11:00
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND	*-	4.0	1.4	ug/L			06/03/22 04:14	4
Bromodichloromethane	ND		4.0	1.6	ug/L			06/03/22 04:14	4
Ethylbenzene	ND		4.0	3.0	ug/L			06/03/22 04:14	4
Methylene Chloride	ND		4.0	1.8	ug/L			06/03/22 04:14	4
Tetrachloroethene	ND		4.0	1.4	ug/L			06/03/22 04:14	4
Toluene	ND		4.0	2.0	ug/L			06/03/22 04:14	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			06/03/22 04:14	4
Trichloroethene	ND		4.0	1.8	ug/L			06/03/22 04:14	4
Vinyl chloride	ND		4.0	3.6	ug/L			06/03/22 04:14	4
Xylenes, Total	ND		8.0	2.6	ug/L			06/03/22 04:14	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			06/03/22 04:14	4
Styrene	ND		4.0	2.9	ug/L			06/03/22 04:14	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*		*06/03/22 04:14*	*4*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*06/03/22 04:14*	*4*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/03/22 04:14*	*4*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*06/03/22 04:14*	*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		05/27/22 11:04	05/31/22 22:12	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		05/27/22 11:04	05/31/22 22:12	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 22:12	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		05/27/22 11:04	05/31/22 22:12	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/27/22 11:04	05/31/22 22:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 22:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/27/22 11:04	05/31/22 22:12	1
1,3-Dichlorobenzene	ND	*-	10	0.48	ug/L		05/27/22 11:04	05/31/22 22:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 22:12	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 22:12	1
1,4-Dichlorobenzene	ND	*-	10	0.46	ug/L		05/27/22 11:04	05/31/22 22:12	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 22:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/27/22 11:04	05/31/22 22:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/27/22 11:04	05/31/22 22:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/27/22 11:04	05/31/22 22:12	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 22:12	1
2-Nitroaniline	ND		10	0.42	ug/L		05/27/22 11:04	05/31/22 22:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/27/22 11:04	05/31/22 22:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 22:12	1
3-Nitroaniline	ND		10	0.48	ug/L		05/27/22 11:04	05/31/22 22:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 22:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 22:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/27/22 11:04	05/31/22 22:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 22:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 22:12	1
4-Methylphenol	ND		10	0.36	ug/L		05/27/22 11:04	05/31/22 22:12	1
4-Nitroaniline	ND		10	0.25	ug/L		05/27/22 11:04	05/31/22 22:12	1
4-Nitrophenol	ND		10	1.5	ug/L		05/27/22 11:04	05/31/22 22:12	1
Acenaphthene	ND		5.0	0.41	ug/L		05/27/22 11:04	05/31/22 22:12	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-2
Lab Sample ID: 480-198320-6
Date Collected: 05/24/22 11:00
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		05/27/22 11:04	05/31/22 22:12	1
Anthracene	ND		5.0	0.28	ug/L		05/27/22 11:04	05/31/22 22:12	1
Benzo[a]anthracene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 22:12	1
Benzo[a]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 22:12	1
Benzo[b]fluoranthene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 22:12	1
Benzo[g,h,i]perylene	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 22:12	1
Benzo[k]fluoranthene	ND		5.0	0.73	ug/L		05/27/22 11:04	05/31/22 22:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/27/22 11:04	05/31/22 22:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 22:12	1
Bis(2-ethylhexyl) phthalate	**11**		5.0	2.2	ug/L		05/27/22 11:04	05/31/22 22:12	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/27/22 11:04	05/31/22 22:12	1
Carbazole	ND	*+	5.0	0.30	ug/L		05/27/22 11:04	05/31/22 22:12	1
Chrysene	ND		5.0	0.33	ug/L		05/27/22 11:04	05/31/22 22:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/27/22 11:04	05/31/22 22:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 22:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/27/22 11:04	05/31/22 22:12	1
Dibenzofuran	ND		10	0.51	ug/L		05/27/22 11:04	05/31/22 22:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/27/22 11:04	05/31/22 22:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 22:12	1
Fluoranthene	ND		5.0	0.40	ug/L		05/27/22 11:04	05/31/22 22:12	1
Fluorene	ND		5.0	0.36	ug/L		05/27/22 11:04	05/31/22 22:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 22:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/27/22 11:04	05/31/22 22:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 22:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/27/22 11:04	05/31/22 22:12	1
Indeno[1,2,3-cd]pyrene	ND		5.0	0.47	ug/L		05/27/22 11:04	05/31/22 22:12	1
Isophorone	ND		5.0	0.43	ug/L		05/27/22 11:04	05/31/22 22:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/27/22 11:04	05/31/22 22:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/27/22 11:04	05/31/22 22:12	1
Naphthalene	ND		5.0	0.76	ug/L		05/27/22 11:04	05/31/22 22:12	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/27/22 11:04	05/31/22 22:12	1
Pentachlorophenol	ND		10	2.2	ug/L		05/27/22 11:04	05/31/22 22:12	1
Phenanthrene	ND		5.0	0.44	ug/L		05/27/22 11:04	05/31/22 22:12	1
Phenol	ND		5.0	0.39	ug/L		05/27/22 11:04	05/31/22 22:12	1
Pyrene	ND		5.0	0.34	ug/L		05/27/22 11:04	05/31/22 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*41 - 120*	*05/27/22 11:04*	*05/31/22 22:12*	*1*
2-Fluorobiphenyl	*89*		*48 - 120*	*05/27/22 11:04*	*05/31/22 22:12*	*1*
2-Fluorophenol	*63*		*35 - 120*	*05/27/22 11:04*	*05/31/22 22:12*	*1*
Nitrobenzene-d5	*86*		*46 - 120*	*05/27/22 11:04*	*05/31/22 22:12*	*1*
p-Terphenyl-d14	*67*		*60 - 148*	*05/27/22 11:04*	*05/31/22 22:12*	*1*
Phenol-d5	*44*		*22 - 120*	*05/27/22 11:04*	*05/31/22 22:12*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	H	5.0	0.52	ug/L		06/02/22 15:17	06/04/22 00:04	1
1,2,4-Trichlorobenzene	ND	H	10	0.44	ug/L		06/02/22 15:17	06/04/22 00:04	1
2,4,5-Trichlorophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/04/22 00:04	1
1,2-Dichlorobenzene	ND	H	10	0.40	ug/L		06/02/22 15:17	06/04/22 00:04	1

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-2
Lab Sample ID: 480-198320-6
Date Collected: 05/24/22 11:00
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND	H	5.0	0.61	ug/L		06/02/22 15:17	06/04/22 00:04	1
2,4-Dichlorophenol	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/04/22 00:04	1
2,4-Dimethylphenol	ND	H	5.0	0.50	ug/L		06/02/22 15:17	06/04/22 00:04	1
1,3-Dichlorobenzene	ND	H	10	0.48	ug/L		06/02/22 15:17	06/04/22 00:04	1
2,4-Dinitrophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/04/22 00:04	1
2,4-Dinitrotoluene	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/04/22 00:04	1
1,4-Dichlorobenzene	ND	H	10	0.46	ug/L		06/02/22 15:17	06/04/22 00:04	1
2,6-Dinitrotoluene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/04/22 00:04	1
2-Chloronaphthalene	ND	H	5.0	0.46	ug/L		06/02/22 15:17	06/04/22 00:04	1
2-Chlorophenol	ND	H	5.0	0.53	ug/L		06/02/22 15:17	06/04/22 00:04	1
2-Methylnaphthalene	ND	H	5.0	0.60	ug/L		06/02/22 15:17	06/04/22 00:04	1
2-Methylphenol	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/04/22 00:04	1
2-Nitroaniline	ND	H	10	0.42	ug/L		06/02/22 15:17	06/04/22 00:04	1
2-Nitrophenol	ND	H	5.0	0.48	ug/L		06/02/22 15:17	06/04/22 00:04	1
3,3'-Dichlorobenzidine	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/04/22 00:04	1
3-Nitroaniline	ND	H	10	0.48	ug/L		06/02/22 15:17	06/04/22 00:04	1
4,6-Dinitro-2-methylphenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/04/22 00:04	1
4-Bromophenyl phenyl ether	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/04/22 00:04	1
4-Chloro-3-methylphenol	ND	H	5.0	0.45	ug/L		06/02/22 15:17	06/04/22 00:04	1
4-Chloroaniline	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/04/22 00:04	1
4-Chlorophenyl phenyl ether	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/04/22 00:04	1
4-Methylphenol	ND	H	10	0.36	ug/L		06/02/22 15:17	06/04/22 00:04	1
4-Nitroaniline	ND	*+ H	10	0.25	ug/L		06/02/22 15:17	06/04/22 00:04	1
4-Nitrophenol	ND	H	10	1.5	ug/L		06/02/22 15:17	06/04/22 00:04	1
Acenaphthene	ND	H	5.0	0.41	ug/L		06/02/22 15:17	06/04/22 00:04	1
Acenaphthylene	ND	H	5.0	0.38	ug/L		06/02/22 15:17	06/04/22 00:04	1
Anthracene	ND	H	5.0	0.28	ug/L		06/02/22 15:17	06/04/22 00:04	1
Benzo[a]anthracene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/04/22 00:04	1
Benzo[a]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/04/22 00:04	1
Benzo[b]fluoranthene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/04/22 00:04	1
Benzo[g,h,i]perylene	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/04/22 00:04	1
Benzo[k]fluoranthene	ND	H	5.0	0.73	ug/L		06/02/22 15:17	06/04/22 00:04	1
Bis(2-chloroethoxy)methane	ND	H	5.0	0.35	ug/L		06/02/22 15:17	06/04/22 00:04	1
Bis(2-chloroethyl)ether	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/04/22 00:04	1
Bis(2-ethylhexyl) phthalate	**8.1**	**H**	5.0	2.2	ug/L		06/02/22 15:17	06/04/22 00:04	1
Butyl benzyl phthalate	ND	H	5.0	1.0	ug/L		06/02/22 15:17	06/04/22 00:04	1
Carbazole	ND	*+ H	5.0	0.30	ug/L		06/02/22 15:17	06/04/22 00:04	1
Chrysene	ND	H	5.0	0.33	ug/L		06/02/22 15:17	06/04/22 00:04	1
Di-n-butyl phthalate	ND	H	5.0	0.31	ug/L		06/02/22 15:17	06/04/22 00:04	1
Di-n-octyl phthalate	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/04/22 00:04	1
Dibenz(a,h)anthracene	ND	H	5.0	0.42	ug/L		06/02/22 15:17	06/04/22 00:04	1
Dibenzofuran	ND	H	10	0.51	ug/L		06/02/22 15:17	06/04/22 00:04	1
Diethyl phthalate	ND	H	5.0	0.22	ug/L		06/02/22 15:17	06/04/22 00:04	1
Dimethyl phthalate	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/04/22 00:04	1
Fluoranthene	ND	H	5.0	0.40	ug/L		06/02/22 15:17	06/04/22 00:04	1
Fluorene	ND	H	5.0	0.36	ug/L		06/02/22 15:17	06/04/22 00:04	1
Hexachlorobenzene	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/04/22 00:04	1
Hexachlorobutadiene	ND	H	5.0	0.68	ug/L		06/02/22 15:17	06/04/22 00:04	1
Hexachlorocyclopentadiene	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/04/22 00:04	1

Client Sample ID: S-2
Lab Sample ID: 480-198320-6

Date Collected: 05/24/22 11:00
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND	H	5.0	0.59	ug/L		06/02/22 15:17	06/04/22 00:04	1
Indeno[1,2,3-cd]pyrene	ND	H	5.0	0.47	ug/L		06/02/22 15:17	06/04/22 00:04	1
Isophorone	ND	H	5.0	0.43	ug/L		06/02/22 15:17	06/04/22 00:04	1
N-Nitrosodi-n-propylamine	ND	H	5.0	0.54	ug/L		06/02/22 15:17	06/04/22 00:04	1
N-Nitrosodiphenylamine	ND	H	5.0	0.51	ug/L		06/02/22 15:17	06/04/22 00:04	1
Naphthalene	ND	H	5.0	0.76	ug/L		06/02/22 15:17	06/04/22 00:04	1
Nitrobenzene	ND	H	5.0	0.29	ug/L		06/02/22 15:17	06/04/22 00:04	1
Pentachlorophenol	ND	H	10	2.2	ug/L		06/02/22 15:17	06/04/22 00:04	1
Phenanthrene	ND	H	5.0	0.44	ug/L		06/02/22 15:17	06/04/22 00:04	1
Phenol	ND	H	5.0	0.39	ug/L		06/02/22 15:17	06/04/22 00:04	1
Pyrene	ND	H	5.0	0.34	ug/L		06/02/22 15:17	06/04/22 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*41 - 120*	*06/02/22 15:17*	*06/04/22 00:04*	*1*
2-Fluorobiphenyl	*98*		*48 - 120*	*06/02/22 15:17*	*06/04/22 00:04*	*1*
2-Fluorophenol	*69*		*35 - 120*	*06/02/22 15:17*	*06/04/22 00:04*	*1*
Nitrobenzene-d5	*98*		*46 - 120*	*06/02/22 15:17*	*06/04/22 00:04*	*1*
p-Terphenyl-d14	*80*		*60 - 148*	*06/02/22 15:17*	*06/04/22 00:04*	*1*
Phenol-d5	*52*		*22 - 120*	*06/02/22 15:17*	*06/04/22 00:04*	*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		05/27/22 15:03	05/31/22 15:02	1
4,4'-DDE	ND	*1	0.050	0.012	ug/L		05/27/22 15:03	05/31/22 15:02	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 15:02	1
Aldrin	ND		0.050	0.0081	ug/L		05/27/22 15:03	05/31/22 15:02	1
alpha-BHC	ND	*1	0.050	0.0077	ug/L		05/27/22 15:03	05/31/22 15:02	1
cis-Chlordane	ND	*1	0.050	0.015	ug/L		05/27/22 15:03	05/31/22 15:02	1
beta-BHC	ND	*1	0.050	0.025	ug/L		05/27/22 15:03	05/31/22 15:02	1
delta-BHC	ND	*1	0.050	0.010	ug/L		05/27/22 15:03	05/31/22 15:02	1
Dieldrin	ND	*1	0.050	0.0098	ug/L		05/27/22 15:03	05/31/22 15:02	1
Endosulfan I	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 15:02	1
Endosulfan II	ND		0.050	0.012	ug/L		05/27/22 15:03	05/31/22 15:02	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/27/22 15:03	05/31/22 15:02	1
Endrin	ND	*1	0.050	0.014	ug/L		05/27/22 15:03	05/31/22 15:02	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/27/22 15:03	05/31/22 15:02	1
Endrin ketone	**0.049**	**J**	0.050	0.012	ug/L		05/27/22 15:03	05/31/22 15:02	1
gamma-BHC (Lindane)	ND	*1	0.050	0.0080	ug/L		05/27/22 15:03	05/31/22 15:02	1
trans-Chlordane	**0.027**	**J**	0.050	0.011	ug/L		05/27/22 15:03	05/31/22 15:02	1
Heptachlor	ND		0.050	0.0085	ug/L		05/27/22 15:03	05/31/22 15:02	1
Heptachlor epoxide	ND	*1	0.050	0.0074	ug/L		05/27/22 15:03	05/31/22 15:02	1
Methoxychlor	ND		0.050	0.014	ug/L		05/27/22 15:03	05/31/22 15:02	1
Toxaphene	ND		0.50	0.12	ug/L		05/27/22 15:03	05/31/22 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*		*20 - 120*	*05/27/22 15:03*	*05/31/22 15:02*	*1*
Tetrachloro-m-xylene	*75*		*44 - 120*	*05/27/22 15:03*	*05/31/22 15:02*	*1*

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-2
Lab Sample ID: 480-198320-6

Date Collected: 05/24/22 11:00
Matrix: Water
Date Received: 05/25/22 11:30

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		05/26/22 08:34	05/26/22 23:26	1
PCB-1221	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:26	1
PCB-1232	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:26	1
PCB-1242	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:26	1
PCB-1248	ND		0.50	0.18	ug/L		05/26/22 08:34	05/26/22 23:26	1
PCB-1254	ND		0.50	0.25	ug/L		05/26/22 08:34	05/26/22 23:26	1
PCB-1260	ND		0.50	0.25	ug/L		05/26/22 08:34	05/26/22 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*		*19 - 120*	*05/26/22 08:34*	*05/26/22 23:26*	*1*
Tetrachloro-m-xylene	*80*		*39 - 121*	*05/26/22 08:34*	*05/26/22 23:26*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		05/27/22 09:30	05/27/22 14:56	1
Antimony	ND		0.020	0.0068	mg/L		05/27/22 09:30	05/27/22 14:56	1
Arsenic	ND		0.010	0.0056	mg/L		05/27/22 09:30	05/27/22 14:56	1
Barium	**0.017**		0.0020	0.00070	mg/L		05/27/22 09:30	05/27/22 14:56	1
Beryllium	ND		0.0020	0.00030	mg/L		05/27/22 09:30	05/27/22 14:56	1
Cadmium	ND		0.0010	0.00050	mg/L		05/27/22 09:30	05/27/22 14:56	1
Calcium	**12.9**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 14:56	1
Chromium	ND		0.0040	0.0010	mg/L		05/27/22 09:30	05/27/22 14:56	1
Cobalt	ND		0.0040	0.00063	mg/L		05/27/22 09:30	05/27/22 14:56	1
Copper	ND		0.010	0.0016	mg/L		05/27/22 09:30	05/27/22 14:56	1
Iron	**0.12**		0.050	0.019	mg/L		05/27/22 09:30	05/27/22 14:56	1
Lead	ND		0.0050	0.0030	mg/L		05/27/22 09:30	05/27/22 14:56	1
Magnesium	**2.3**		0.20	0.043	mg/L		05/27/22 09:30	05/27/22 14:56	1
Manganese	**0.0096**		0.0030	0.00040	mg/L		05/27/22 09:30	05/27/22 14:56	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		05/27/22 09:30	05/27/22 14:56	1
Potassium	**21.6**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 14:56	1
Selenium	ND		0.015	0.0087	mg/L		05/27/22 09:30	05/27/22 14:56	1
Silver	ND		0.0030	0.0017	mg/L		05/27/22 09:30	05/27/22 14:56	1
Sodium	**35.0**		1.0	0.32	mg/L		05/27/22 09:30	05/27/22 14:56	1
Thallium	ND		0.020	0.010	mg/L		05/27/22 09:30	05/27/22 14:56	1
Vanadium	**0.0024**	**J**	0.0050	0.0015	mg/L		05/27/22 09:30	05/27/22 14:56	1
Zinc	**0.019**		0.010	0.0015	mg/L		05/27/22 09:30	05/27/22 14:56	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		05/27/22 12:05	05/27/22 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.011**		0.010	0.0050	mg/L		06/06/22 11:52	06/07/22 07:52	1

Client Sample ID: S-3
Lab Sample ID: 480-198320-7
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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			06/03/22 04:38	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/03/22 04:38	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/03/22 04:38	2
1,1-Dichloroethane	**1.3**	**J**	2.0	0.76	ug/L			06/03/22 04:38	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/03/22 04:38	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/03/22 04:38	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			06/03/22 04:38	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/03/22 04:38	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/03/22 04:38	2
2-Hexanone	ND		10	2.5	ug/L			06/03/22 04:38	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/03/22 04:38	2
Acetone	ND		20	6.0	ug/L			06/03/22 04:38	2
Benzene	ND		2.0	0.82	ug/L			06/03/22 04:38	2
Bromoform	ND		2.0	0.52	ug/L			06/03/22 04:38	2
Bromomethane	ND		2.0	1.4	ug/L			06/03/22 04:38	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/03/22 04:38	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/03/22 04:38	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/03/22 04:38	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/03/22 04:38	2
Chloroethane	ND	*-	2.0	0.64	ug/L			06/03/22 04:38	2
Chloroform	ND		2.0	0.68	ug/L			06/03/22 04:38	2
Chloromethane	ND	*-	2.0	0.70	ug/L			06/03/22 04:38	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/03/22 04:38	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/03/22 04:38	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/03/22 04:38	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/03/22 04:38	2
Toluene	ND		2.0	1.0	ug/L			06/03/22 04:38	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/03/22 04:38	2
Trichloroethene	ND		2.0	0.92	ug/L			06/03/22 04:38	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/03/22 04:38	2
Xylenes, Total	ND		4.0	1.3	ug/L			06/03/22 04:38	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/03/22 04:38	2
Styrene	ND		2.0	1.5	ug/L			06/03/22 04:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*06/03/22 04:38*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/03/22 04:38*	*2*
Toluene-d8 (Surr)	*86*		*80 - 120*		*06/03/22 04:38*	*2*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*06/03/22 04:38*	*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		05/27/22 11:04	05/31/22 22:40	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		05/27/22 11:04	05/31/22 22:40	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		05/27/22 11:04	05/31/22 22:40	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		05/27/22 11:04	05/31/22 22:40	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		05/27/22 11:04	05/31/22 22:40	5
1,3-Dichlorobenzene	ND	*-	50	2.4	ug/L		05/27/22 11:04	05/31/22 22:40	5

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-3
Lab Sample ID: 480-198320-7
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	ND		50	11	ug/L		05/27/22 11:04	05/31/22 22:40	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		05/27/22 11:04	05/31/22 22:40	5
1,4-Dichlorobenzene	ND	*-	50	2.3	ug/L		05/27/22 11:04	05/31/22 22:40	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
2-Chloronaphthalene	ND		25	2.3	ug/L		05/27/22 11:04	05/31/22 22:40	5
2-Chlorophenol	ND		25	2.7	ug/L		05/27/22 11:04	05/31/22 22:40	5
2-Methylnaphthalene	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
2-Methylphenol	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
2-Nitroaniline	ND		50	2.1	ug/L		05/27/22 11:04	05/31/22 22:40	5
2-Nitrophenol	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
3-Nitroaniline	ND		50	2.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		05/27/22 11:04	05/31/22 22:40	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		05/27/22 11:04	05/31/22 22:40	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		05/27/22 11:04	05/31/22 22:40	5
4-Chloroaniline	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
4-Methylphenol	ND		50	1.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
4-Nitroaniline	ND		50	1.3	ug/L		05/27/22 11:04	05/31/22 22:40	5
4-Nitrophenol	ND		50	7.6	ug/L		05/27/22 11:04	05/31/22 22:40	5
Acenaphthene	ND		25	2.1	ug/L		05/27/22 11:04	05/31/22 22:40	5
Acenaphthylene	ND		25	1.9	ug/L		05/27/22 11:04	05/31/22 22:40	5
Anthracene	ND		25	1.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
Benzo[a]anthracene	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
Benzo[a]pyrene	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/27/22 11:04	05/31/22 22:40	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/27/22 11:04	05/31/22 22:40	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		05/27/22 11:04	05/31/22 22:40	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
Carbazole	ND	*+	25	1.5	ug/L		05/27/22 11:04	05/31/22 22:40	5
Chrysene	ND		25	1.7	ug/L		05/27/22 11:04	05/31/22 22:40	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		05/27/22 11:04	05/31/22 22:40	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/27/22 11:04	05/31/22 22:40	5
Dibenzofuran	ND		50	2.6	ug/L		05/27/22 11:04	05/31/22 22:40	5
Diethyl phthalate	ND		25	1.1	ug/L		05/27/22 11:04	05/31/22 22:40	5
Dimethyl phthalate	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
Fluoranthene	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
Fluorene	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
Hexachlorobenzene	ND		25	2.6	ug/L		05/27/22 11:04	05/31/22 22:40	5
Hexachlorobutadiene	ND		25	3.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
Hexachloroethane	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 22:40	5
Isophorone	ND		25	2.2	ug/L		05/27/22 11:04	05/31/22 22:40	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		05/27/22 11:04	05/31/22 22:40	5

Client Sample ID: S-3
Lab Sample ID: 480-198320-7
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		05/27/22 11:04	05/31/22 22:40	5
Naphthalene	ND		25	3.8	ug/L		05/27/22 11:04	05/31/22 22:40	5
Nitrobenzene	ND		25	1.5	ug/L		05/27/22 11:04	05/31/22 22:40	5
Pentachlorophenol	ND		50	11	ug/L		05/27/22 11:04	05/31/22 22:40	5
Phenanthrene	ND		25	2.2	ug/L		05/27/22 11:04	05/31/22 22:40	5
Phenol	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 22:40	5
Pyrene	ND		25	1.7	ug/L		05/27/22 11:04	05/31/22 22:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*41 - 120*	*05/27/22 11:04*	*05/31/22 22:40*	*5*
2-Fluorobiphenyl	*92*		*48 - 120*	*05/27/22 11:04*	*05/31/22 22:40*	*5*
2-Fluorophenol	*61*		*35 - 120*	*05/27/22 11:04*	*05/31/22 22:40*	*5*
Nitrobenzene-d5	*78*		*46 - 120*	*05/27/22 11:04*	*05/31/22 22:40*	*5*
p-Terphenyl-d14	*69*		*60 - 148*	*05/27/22 11:04*	*05/31/22 22:40*	*5*
Phenol-d5	*41*		*22 - 120*	*05/27/22 11:04*	*05/31/22 22:40*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 00:33	5
1,2,4-Trichlorobenzene	ND	H	50	2.2	ug/L		06/02/22 15:17	06/04/22 00:33	5
2,4,5-Trichlorophenol	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
1,2-Dichlorobenzene	ND	H	50	2.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
2,4,6-Trichlorophenol	ND	H	25	3.1	ug/L		06/02/22 15:17	06/04/22 00:33	5
2,4-Dichlorophenol	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 00:33	5
2,4-Dimethylphenol	ND	H	25	2.5	ug/L		06/02/22 15:17	06/04/22 00:33	5
1,3-Dichlorobenzene	ND	H	50	2.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
2,4-Dinitrophenol	ND	H	50	11	ug/L		06/02/22 15:17	06/04/22 00:33	5
2,4-Dinitrotoluene	ND	H	25	2.2	ug/L		06/02/22 15:17	06/04/22 00:33	5
1,4-Dichlorobenzene	ND	H	50	2.3	ug/L		06/02/22 15:17	06/04/22 00:33	5
2,6-Dinitrotoluene	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
2-Chloronaphthalene	ND	H	25	2.3	ug/L		06/02/22 15:17	06/04/22 00:33	5
2-Chlorophenol	ND	H	25	2.7	ug/L		06/02/22 15:17	06/04/22 00:33	5
2-Methylnaphthalene	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
2-Methylphenol	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
2-Nitroaniline	ND	H	50	2.1	ug/L		06/02/22 15:17	06/04/22 00:33	5
2-Nitrophenol	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
3,3'-Dichlorobenzidine	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
3-Nitroaniline	ND	H	50	2.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
4,6-Dinitro-2-methylphenol	ND	H	50	11	ug/L		06/02/22 15:17	06/04/22 00:33	5
4-Bromophenyl phenyl ether	ND	H	25	2.3	ug/L		06/02/22 15:17	06/04/22 00:33	5
4-Chloro-3-methylphenol	ND	H	25	2.3	ug/L		06/02/22 15:17	06/04/22 00:33	5
4-Chloroaniline	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
4-Chlorophenyl phenyl ether	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 00:33	5
4-Methylphenol	ND	H	50	1.8	ug/L		06/02/22 15:17	06/04/22 00:33	5
4-Nitroaniline	ND	*+ H	50	1.3	ug/L		06/02/22 15:17	06/04/22 00:33	5
4-Nitrophenol	ND	H	50	7.6	ug/L		06/02/22 15:17	06/04/22 00:33	5
Acenaphthene	ND	H	25	2.1	ug/L		06/02/22 15:17	06/04/22 00:33	5
Acenaphthylene	ND	H	25	1.9	ug/L		06/02/22 15:17	06/04/22 00:33	5
Anthracene	ND	H	25	1.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
Benzo[a]anthracene	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 00:33	5

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-3
Lab Sample ID: 480-198320-7
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
Benzo[b]fluoranthene	ND	H	25	1.7	ug/L		06/02/22 15:17	06/04/22 00:33	5
Benzo[g,h,i]perylene	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 00:33	5
Benzo[k]fluoranthene	ND	H	25	3.7	ug/L		06/02/22 15:17	06/04/22 00:33	5
Bis(2-chloroethoxy)methane	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 00:33	5
Bis(2-chloroethyl)ether	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
Bis(2-ethylhexyl) phthalate	ND	H	25	11	ug/L		06/02/22 15:17	06/04/22 00:33	5
Butyl benzyl phthalate	ND	H	25	5.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
Carbazole	ND	*+ H	25	1.5	ug/L		06/02/22 15:17	06/04/22 00:33	5
Chrysene	ND	H	25	1.7	ug/L		06/02/22 15:17	06/04/22 00:33	5
Di-n-butyl phthalate	ND	H	25	1.6	ug/L		06/02/22 15:17	06/04/22 00:33	5
Di-n-octyl phthalate	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
Dibenz(a,h)anthracene	ND	H	25	2.1	ug/L		06/02/22 15:17	06/04/22 00:33	5
Dibenzofuran	ND	H	50	2.6	ug/L		06/02/22 15:17	06/04/22 00:33	5
Diethyl phthalate	ND	H	25	1.1	ug/L		06/02/22 15:17	06/04/22 00:33	5
Dimethyl phthalate	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 00:33	5
Fluoranthene	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
Fluorene	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 00:33	5
Hexachlorobenzene	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 00:33	5
Hexachlorobutadiene	ND	H	25	3.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
Hexachlorocyclopentadiene	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
Hexachloroethane	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
Indeno[1,2,3-cd]pyrene	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 00:33	5
Isophorone	ND	H	25	2.2	ug/L		06/02/22 15:17	06/04/22 00:33	5
N-Nitrosodi-n-propylamine	ND	H	25	2.7	ug/L		06/02/22 15:17	06/04/22 00:33	5
N-Nitrosodiphenylamine	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 00:33	5
Naphthalene	ND	H	25	3.8	ug/L		06/02/22 15:17	06/04/22 00:33	5
Nitrobenzene	ND	H	25	1.5	ug/L		06/02/22 15:17	06/04/22 00:33	5
Pentachlorophenol	ND	H	50	11	ug/L		06/02/22 15:17	06/04/22 00:33	5
Phenanthrene	ND	H	25	2.2	ug/L		06/02/22 15:17	06/04/22 00:33	5
Phenol	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 00:33	5
Pyrene	ND	H	25	1.7	ug/L		06/02/22 15:17	06/04/22 00:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*41 - 120*	*06/02/22 15:17*	*06/04/22 00:33*	*5*
2-Fluorobiphenyl	*96*		*48 - 120*	*06/02/22 15:17*	*06/04/22 00:33*	*5*
2-Fluorophenol	*63*		*35 - 120*	*06/02/22 15:17*	*06/04/22 00:33*	*5*
Nitrobenzene-d5	*86*		*46 - 120*	*06/02/22 15:17*	*06/04/22 00:33*	*5*
p-Terphenyl-d14	*98*		*60 - 148*	*06/02/22 15:17*	*06/04/22 00:33*	*5*
Phenol-d5	*48*		*22 - 120*	*06/02/22 15:17*	*06/04/22 00:33*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		05/27/22 15:03	05/31/22 15:21	1
4,4'-DDE	ND	*1	0.050	0.012	ug/L		05/27/22 15:03	05/31/22 15:21	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 15:21	1
Aldrin	ND		0.050	0.0081	ug/L		05/27/22 15:03	05/31/22 15:21	1
alpha-BHC	ND	*1	0.050	0.0077	ug/L		05/27/22 15:03	05/31/22 15:21	1
cis-Chlordane	ND	*1	0.050	0.015	ug/L		05/27/22 15:03	05/31/22 15:21	1
beta-BHC	ND	*1	0.050	0.025	ug/L		05/27/22 15:03	05/31/22 15:21	1

Client Sample ID: S-3
Lab Sample ID: 480-198320-7
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND	*1	0.050	0.010	ug/L		05/27/22 15:03	05/31/22 15:21	1
Dieldrin	ND	*1	0.050	0.0098	ug/L		05/27/22 15:03	05/31/22 15:21	1
Endosulfan I	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 15:21	1
Endosulfan II	ND		0.050	0.012	ug/L		05/27/22 15:03	05/31/22 15:21	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/27/22 15:03	05/31/22 15:21	1
Endrin	ND	*1	0.050	0.014	ug/L		05/27/22 15:03	05/31/22 15:21	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/27/22 15:03	05/31/22 15:21	1
Endrin ketone	ND		0.050	0.012	ug/L		05/27/22 15:03	05/31/22 15:21	1
gamma-BHC (Lindane)	ND	*1	0.050	0.0080	ug/L		05/27/22 15:03	05/31/22 15:21	1
trans-Chlordane	ND		0.050	0.011	ug/L		05/27/22 15:03	05/31/22 15:21	1
Heptachlor	ND		0.050	0.0085	ug/L		05/27/22 15:03	05/31/22 15:21	1
Heptachlor epoxide	ND	*1	0.050	0.0074	ug/L		05/27/22 15:03	05/31/22 15:21	1
Methoxychlor	ND		0.050	0.014	ug/L		05/27/22 15:03	05/31/22 15:21	1
Toxaphene	ND		0.50	0.12	ug/L		05/27/22 15:03	05/31/22 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*20 - 120*	*05/27/22 15:03*	*05/31/22 15:21*	*1*
Tetrachloro-m-xylene	*100*		*44 - 120*	*05/27/22 15:03*	*05/31/22 15:21*	*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		05/26/22 08:49	05/26/22 23:39	1
PCB-1221	ND		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:39	1
PCB-1232	ND		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:39	1
PCB-1242	ND		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:39	1
PCB-1248	ND		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:39	1
PCB-1254	ND		0.50	0.25	ug/L		05/26/22 08:49	05/26/22 23:39	1
PCB-1260	ND		0.50	0.25	ug/L		05/26/22 08:49	05/26/22 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*19 - 120*	*05/26/22 08:49*	*05/26/22 23:39*	*1*
Tetrachloro-m-xylene	*78*		*39 - 121*	*05/26/22 08:49*	*05/26/22 23:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.28**		0.20	0.060	mg/L		05/27/22 09:30	05/27/22 15:00	1
Antimony	ND		0.020	0.0068	mg/L		05/27/22 09:30	05/27/22 15:00	1
Arsenic	ND		0.010	0.0056	mg/L		05/27/22 09:30	05/27/22 15:00	1
Barium	**0.038**		0.0020	0.00070	mg/L		05/27/22 09:30	05/27/22 15:00	1
Beryllium	ND		0.0020	0.00030	mg/L		05/27/22 09:30	05/27/22 15:00	1
Cadmium	ND		0.0010	0.00050	mg/L		05/27/22 09:30	05/27/22 15:00	1
Calcium	**51.6**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 15:00	1
Chromium	ND		0.0040	0.0010	mg/L		05/27/22 09:30	05/27/22 15:00	1
Cobalt	ND		0.0040	0.00063	mg/L		05/27/22 09:30	05/27/22 15:00	1
Copper	**0.0023**	**J**	0.010	0.0016	mg/L		05/27/22 09:30	05/27/22 15:00	1
Iron	**1.2**		0.050	0.019	mg/L		05/27/22 09:30	05/27/22 15:00	1
Lead	ND		0.0050	0.0030	mg/L		05/27/22 09:30	05/27/22 15:00	1
Magnesium	**0.66**		0.20	0.043	mg/L		05/27/22 09:30	05/27/22 15:00	1
Manganese	**0.026**		0.0030	0.00040	mg/L		05/27/22 09:30	05/27/22 15:00	1
Nickel	ND		0.010	0.0013	mg/L		05/27/22 09:30	05/27/22 15:00	1

Client Sample ID: S-3
Lab Sample ID: 480-198320-7
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	**35.2**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 15:00	1
Selenium	ND		0.015	0.0087	mg/L		05/27/22 09:30	05/27/22 15:00	1
Silver	ND		0.0030	0.0017	mg/L		05/27/22 09:30	05/27/22 15:00	1
Sodium	**137**		1.0	0.32	mg/L		05/27/22 09:30	05/27/22 15:00	1
Thallium	ND		0.020	0.010	mg/L		05/27/22 09:30	05/27/22 15:00	1
Vanadium	**0.0053**		0.0050	0.0015	mg/L		05/27/22 09:30	05/27/22 15:00	1
Zinc	**0.054**		0.010	0.0015	mg/L		05/27/22 09:30	05/27/22 15:00	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		05/27/22 12:05	05/27/22 16:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.088**		0.010	0.0050	mg/L		06/06/22 11:52	06/07/22 07:56	1

Client Sample ID: S-4
Lab Sample ID: 480-198320-8
Date Collected: 05/24/22 09:30
Matrix: Water
Date Received: 05/25/22 11:30

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			06/03/22 05:01	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			06/03/22 05:01	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			06/03/22 05:01	2
1,1-Dichloroethane	**1.2**	**J**	2.0	0.76	ug/L			06/03/22 05:01	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			06/03/22 05:01	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			06/03/22 05:01	2
1,2-Dichloroethene, Total	ND		4.0	1.6	ug/L			06/03/22 05:01	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			06/03/22 05:01	2
2-Butanone (MEK)	ND		20	2.6	ug/L			06/03/22 05:01	2
2-Hexanone	ND		10	2.5	ug/L			06/03/22 05:01	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			06/03/22 05:01	2
Acetone	ND		20	6.0	ug/L			06/03/22 05:01	2
Benzene	ND		2.0	0.82	ug/L			06/03/22 05:01	2
Bromoform	ND		2.0	0.52	ug/L			06/03/22 05:01	2
Bromomethane	ND		2.0	1.4	ug/L			06/03/22 05:01	2
Carbon disulfide	ND		2.0	0.38	ug/L			06/03/22 05:01	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			06/03/22 05:01	2
Chlorobenzene	ND		2.0	1.5	ug/L			06/03/22 05:01	2
Dibromochloromethane	ND		2.0	0.64	ug/L			06/03/22 05:01	2
Chloroethane	ND	*-	2.0	0.64	ug/L			06/03/22 05:01	2
Chloroform	ND		2.0	0.68	ug/L			06/03/22 05:01	2
Chloromethane	ND	*-	2.0	0.70	ug/L			06/03/22 05:01	2
Bromodichloromethane	ND		2.0	0.78	ug/L			06/03/22 05:01	2
Ethylbenzene	ND		2.0	1.5	ug/L			06/03/22 05:01	2
Methylene Chloride	ND		2.0	0.88	ug/L			06/03/22 05:01	2
Tetrachloroethene	ND		2.0	0.72	ug/L			06/03/22 05:01	2
Toluene	ND		2.0	1.0	ug/L			06/03/22 05:01	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			06/03/22 05:01	2

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-4
Lab Sample ID: 480-198320-8
Date Collected: 05/24/22 09:30
Matrix: Water
Date Received: 05/25/22 11:30

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			06/03/22 05:01	2
Vinyl chloride	ND		2.0	1.8	ug/L			06/03/22 05:01	2
Xylenes, Total	**1.7**	**J**	4.0	1.3	ug/L			06/03/22 05:01	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			06/03/22 05:01	2
Styrene	ND		2.0	1.5	ug/L			06/03/22 05:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*77 - 120*		*06/03/22 05:01*	*2*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*06/03/22 05:01*	*2*
Toluene-d8 (Surr)	*90*		*80 - 120*		*06/03/22 05:01*	*2*
Dibromofluoromethane (Surr)	*89*		*75 - 123*		*06/03/22 05:01*	*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		05/27/22 11:04	05/31/22 23:07	5
1,2,4-Trichlorobenzene	ND		50	2.2	ug/L		05/27/22 11:04	05/31/22 23:07	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
1,2-Dichlorobenzene	ND		50	2.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
2,4,6-Trichlorophenol	ND		25	3.1	ug/L		05/27/22 11:04	05/31/22 23:07	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		05/27/22 11:04	05/31/22 23:07	5
2,4-Dimethylphenol	**38**		25	2.5	ug/L		05/27/22 11:04	05/31/22 23:07	5
1,3-Dichlorobenzene	ND	*-	50	2.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
2,4-Dinitrophenol	ND		50	11	ug/L		05/27/22 11:04	05/31/22 23:07	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		05/27/22 11:04	05/31/22 23:07	5
1,4-Dichlorobenzene	ND	*-	50	2.3	ug/L		05/27/22 11:04	05/31/22 23:07	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
2-Chloronaphthalene	ND		25	2.3	ug/L		05/27/22 11:04	05/31/22 23:07	5
2-Chlorophenol	ND		25	2.7	ug/L		05/27/22 11:04	05/31/22 23:07	5
2-Methylnaphthalene	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
2-Methylphenol	**12**	**J**	25	2.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
2-Nitroaniline	ND		50	2.1	ug/L		05/27/22 11:04	05/31/22 23:07	5
2-Nitrophenol	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
3-Nitroaniline	ND		50	2.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		05/27/22 11:04	05/31/22 23:07	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		05/27/22 11:04	05/31/22 23:07	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		05/27/22 11:04	05/31/22 23:07	5
4-Chloroaniline	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
4-Methylphenol	**25**	**J**	50	1.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
4-Nitroaniline	ND		50	1.3	ug/L		05/27/22 11:04	05/31/22 23:07	5
4-Nitrophenol	ND		50	7.6	ug/L		05/27/22 11:04	05/31/22 23:07	5
Acenaphthene	ND		25	2.1	ug/L		05/27/22 11:04	05/31/22 23:07	5
Acenaphthylene	ND		25	1.9	ug/L		05/27/22 11:04	05/31/22 23:07	5
Anthracene	ND		25	1.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
Benzo[a]anthracene	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
Benzo[a]pyrene	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
Benzo[b]fluoranthene	ND		25	1.7	ug/L		05/27/22 11:04	05/31/22 23:07	5
Benzo[g,h,i]perylene	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
Benzo[k]fluoranthene	ND		25	3.7	ug/L		05/27/22 11:04	05/31/22 23:07	5

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-4
Lab Sample ID: 480-198320-8
Date Collected: 05/24/22 09:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		05/27/22 11:04	05/31/22 23:07	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
Carbazole	ND	*+	25	1.5	ug/L		05/27/22 11:04	05/31/22 23:07	5
Chrysene	ND		25	1.7	ug/L		05/27/22 11:04	05/31/22 23:07	5
Di-n-butyl phthalate	ND		25	1.6	ug/L		05/27/22 11:04	05/31/22 23:07	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		05/27/22 11:04	05/31/22 23:07	5
Dibenzofuran	ND		50	2.6	ug/L		05/27/22 11:04	05/31/22 23:07	5
Diethyl phthalate	ND		25	1.1	ug/L		05/27/22 11:04	05/31/22 23:07	5
Dimethyl phthalate	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
Fluoranthene	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
Fluorene	ND		25	1.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
Hexachlorobenzene	ND		25	2.6	ug/L		05/27/22 11:04	05/31/22 23:07	5
Hexachlorobutadiene	ND		25	3.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
Hexachloroethane	ND		25	3.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
Indeno[1,2,3-cd]pyrene	ND		25	2.4	ug/L		05/27/22 11:04	05/31/22 23:07	5
Isophorone	ND		25	2.2	ug/L		05/27/22 11:04	05/31/22 23:07	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		05/27/22 11:04	05/31/22 23:07	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		05/27/22 11:04	05/31/22 23:07	5
Naphthalene	**9.1**	**J**	25	3.8	ug/L		05/27/22 11:04	05/31/22 23:07	5
Nitrobenzene	ND		25	1.5	ug/L		05/27/22 11:04	05/31/22 23:07	5
Pentachlorophenol	ND		50	11	ug/L		05/27/22 11:04	05/31/22 23:07	5
Phenanthrene	ND		25	2.2	ug/L		05/27/22 11:04	05/31/22 23:07	5
Phenol	ND		25	2.0	ug/L		05/27/22 11:04	05/31/22 23:07	5
Pyrene	ND		25	1.7	ug/L		05/27/22 11:04	05/31/22 23:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*41 - 120*	*05/27/22 11:04*	*05/31/22 23:07*	*5*
2-Fluorobiphenyl	*79*		*48 - 120*	*05/27/22 11:04*	*05/31/22 23:07*	*5*
2-Fluorophenol	*51*		*35 - 120*	*05/27/22 11:04*	*05/31/22 23:07*	*5*
Nitrobenzene-d5	*69*		*46 - 120*	*05/27/22 11:04*	*05/31/22 23:07*	*5*
p-Terphenyl-d14	*74*		*60 - 148*	*05/27/22 11:04*	*05/31/22 23:07*	*5*
Phenol-d5	*37*		*22 - 120*	*05/27/22 11:04*	*05/31/22 23:07*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis (2-chloroisopropyl) ether	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 01:01	5
1,2,4-Trichlorobenzene	ND	H	50	2.2	ug/L		06/02/22 15:17	06/04/22 01:01	5
2,4,5-Trichlorophenol	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
1,2-Dichlorobenzene	ND	H	50	2.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
2,4,6-Trichlorophenol	ND	H	25	3.1	ug/L		06/02/22 15:17	06/04/22 01:01	5
2,4-Dichlorophenol	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 01:01	5
2,4-Dimethylphenol	**45**	**H**	25	2.5	ug/L		06/02/22 15:17	06/04/22 01:01	5
1,3-Dichlorobenzene	ND	H	50	2.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
2,4-Dinitrophenol	ND	H	50	11	ug/L		06/02/22 15:17	06/04/22 01:01	5
2,4-Dinitrotoluene	ND	H	25	2.2	ug/L		06/02/22 15:17	06/04/22 01:01	5
1,4-Dichlorobenzene	ND	H	50	2.3	ug/L		06/02/22 15:17	06/04/22 01:01	5

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-4
Lab Sample ID: 480-198320-8
Date Collected: 05/24/22 09:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
2-Chloronaphthalene	ND	H	25	2.3	ug/L		06/02/22 15:17	06/04/22 01:01	5
2-Chlorophenol	ND	H	25	2.7	ug/L		06/02/22 15:17	06/04/22 01:01	5
2-Methylnaphthalene	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
2-Methylphenol	**15**	**J H**	25	2.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
2-Nitroaniline	ND	H	50	2.1	ug/L		06/02/22 15:17	06/04/22 01:01	5
2-Nitrophenol	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
3,3'-Dichlorobenzidine	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
3-Nitroaniline	ND	H	50	2.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
4,6-Dinitro-2-methylphenol	ND	H	50	11	ug/L		06/02/22 15:17	06/04/22 01:01	5
4-Bromophenyl phenyl ether	ND	H	25	2.3	ug/L		06/02/22 15:17	06/04/22 01:01	5
4-Chloro-3-methylphenol	ND	H	25	2.3	ug/L		06/02/22 15:17	06/04/22 01:01	5
4-Chloroaniline	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
4-Chlorophenyl phenyl ether	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
4-Methylphenol	**29**	**J H**	50	1.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
4-Nitroaniline	ND	*+ H	50	1.3	ug/L		06/02/22 15:17	06/04/22 01:01	5
4-Nitrophenol	ND	H	50	7.6	ug/L		06/02/22 15:17	06/04/22 01:01	5
Acenaphthene	ND	H	25	2.1	ug/L		06/02/22 15:17	06/04/22 01:01	5
Acenaphthylene	ND	H	25	1.9	ug/L		06/02/22 15:17	06/04/22 01:01	5
Anthracene	ND	H	25	1.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
Benzo[a]anthracene	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
Benzo[a]pyrene	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
Benzo[b]fluoranthene	ND	H	25	1.7	ug/L		06/02/22 15:17	06/04/22 01:01	5
Benzo[g,h,i]perylene	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
Benzo[k]fluoranthene	ND	H	25	3.7	ug/L		06/02/22 15:17	06/04/22 01:01	5
Bis(2-chloroethoxy)methane	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
Bis(2-chloroethyl)ether	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
Bis(2-ethylhexyl) phthalate	ND	H	25	11	ug/L		06/02/22 15:17	06/04/22 01:01	5
Butyl benzyl phthalate	ND	H	25	5.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
Carbazole	ND	*+ H	25	1.5	ug/L		06/02/22 15:17	06/04/22 01:01	5
Chrysene	ND	H	25	1.7	ug/L		06/02/22 15:17	06/04/22 01:01	5
Di-n-butyl phthalate	ND	H	25	1.6	ug/L		06/02/22 15:17	06/04/22 01:01	5
Di-n-octyl phthalate	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
Dibenz(a,h)anthracene	ND	H	25	2.1	ug/L		06/02/22 15:17	06/04/22 01:01	5
Dibenzofuran	ND	H	50	2.6	ug/L		06/02/22 15:17	06/04/22 01:01	5
Diethyl phthalate	ND	H	25	1.1	ug/L		06/02/22 15:17	06/04/22 01:01	5
Dimethyl phthalate	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
Fluoranthene	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
Fluorene	ND	H	25	1.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
Hexachlorobenzene	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 01:01	5
Hexachlorobutadiene	ND	H	25	3.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
Hexachlorocyclopentadiene	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
Hexachloroethane	ND	H	25	3.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
Indeno[1,2,3-cd]pyrene	ND	H	25	2.4	ug/L		06/02/22 15:17	06/04/22 01:01	5
Isophorone	ND	H	25	2.2	ug/L		06/02/22 15:17	06/04/22 01:01	5
N-Nitrosodi-n-propylamine	ND	H	25	2.7	ug/L		06/02/22 15:17	06/04/22 01:01	5
N-Nitrosodiphenylamine	ND	H	25	2.6	ug/L		06/02/22 15:17	06/04/22 01:01	5
Naphthalene	**11**	**J H**	25	3.8	ug/L		06/02/22 15:17	06/04/22 01:01	5
Nitrobenzene	ND	H	25	1.5	ug/L		06/02/22 15:17	06/04/22 01:01	5

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-4
Lab Sample ID: 480-198320-8
Date Collected: 05/24/22 09:30
Matrix: Water
Date Received: 05/25/22 11:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	ND	H	50	11	ug/L		06/02/22 15:17	06/04/22 01:01	5
Phenanthrene	ND	H	25	2.2	ug/L		06/02/22 15:17	06/04/22 01:01	5
Phenol	ND	H	25	2.0	ug/L		06/02/22 15:17	06/04/22 01:01	5
Pyrene	ND	H	25	1.7	ug/L		06/02/22 15:17	06/04/22 01:01	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*41 - 120*	*06/02/22 15:17*	*06/04/22 01:01*	*5*
2-Fluorobiphenyl	*94*		*48 - 120*	*06/02/22 15:17*	*06/04/22 01:01*	*5*
2-Fluorophenol	*64*		*35 - 120*	*06/02/22 15:17*	*06/04/22 01:01*	*5*
Nitrobenzene-d5	*85*		*46 - 120*	*06/02/22 15:17*	*06/04/22 01:01*	*5*
p-Terphenyl-d14	*69*		*60 - 148*	*06/02/22 15:17*	*06/04/22 01:01*	*5*
Phenol-d5	*48*		*22 - 120*	*06/02/22 15:17*	*06/04/22 01:01*	*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		05/27/22 15:03	06/01/22 12:16	1
4,4'-DDE	ND	*1	0.050	0.012	ug/L		05/27/22 15:03	06/01/22 12:16	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/27/22 15:03	06/01/22 12:16	1
Aldrin	ND		0.050	0.0081	ug/L		05/27/22 15:03	06/01/22 12:16	1
alpha-BHC	ND	*1	0.050	0.0077	ug/L		05/27/22 15:03	06/01/22 12:16	1
cis-Chlordane	ND	*1	0.050	0.015	ug/L		05/27/22 15:03	06/01/22 12:16	1
beta-BHC	ND	*1	0.050	0.025	ug/L		05/27/22 15:03	06/01/22 12:16	1
delta-BHC	ND	*1	0.050	0.010	ug/L		05/27/22 15:03	06/01/22 12:16	1
Dieldrin	ND	*1	0.050	0.0098	ug/L		05/27/22 15:03	06/01/22 12:16	1
Endosulfan I	ND		0.050	0.011	ug/L		05/27/22 15:03	06/01/22 12:16	1
Endosulfan II	ND		0.050	0.012	ug/L		05/27/22 15:03	06/01/22 12:16	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/27/22 15:03	06/01/22 12:16	1
Endrin	ND	*1	0.050	0.014	ug/L		05/27/22 15:03	06/01/22 12:16	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/27/22 15:03	06/01/22 12:16	1
Endrin ketone	ND		0.050	0.012	ug/L		05/27/22 15:03	06/01/22 12:16	1
gamma-BHC (Lindane)	**0.013**	**J *1**	0.050	0.0080	ug/L		05/27/22 15:03	06/01/22 12:16	1
trans-Chlordane	ND		0.050	0.011	ug/L		05/27/22 15:03	06/01/22 12:16	1
Heptachlor	ND		0.050	0.0085	ug/L		05/27/22 15:03	06/01/22 12:16	1
Heptachlor epoxide	ND	*1	0.050	0.0074	ug/L		05/27/22 15:03	06/01/22 12:16	1
Methoxychlor	ND		0.050	0.014	ug/L		05/27/22 15:03	06/01/22 12:16	1
Toxaphene	ND		0.50	0.12	ug/L		05/27/22 15:03	06/01/22 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*20 - 120*	*05/27/22 15:03*	*06/01/22 12:16*	*1*
Tetrachloro-m-xylene	*80*		*44 - 120*	*05/27/22 15:03*	*06/01/22 12:16*	*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		05/26/22 08:49	05/26/22 23:53	1
PCB-1221	ND		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:53	1
PCB-1232	**4.6**		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:53	1
PCB-1242	ND		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:53	1
PCB-1248	ND		0.50	0.18	ug/L		05/26/22 08:49	05/26/22 23:53	1
PCB-1254	ND		0.50	0.25	ug/L		05/26/22 08:49	05/26/22 23:53	1
PCB-1260	ND		0.50	0.25	ug/L		05/26/22 08:49	05/26/22 23:53	1

Client Sample ID: S-4
Lab Sample ID: 480-198320-8

Date Collected: 05/24/22 09:30
Matrix: Water
Date Received: 05/25/22 11:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	48		19 - 120	05/26/22 08:49	05/26/22 23:53	1
Tetrachloro-m-xylene	73		39 - 121	05/26/22 08:49	05/26/22 23:53	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.39**		0.20	0.060	mg/L		05/27/22 09:30	05/27/22 15:04	1
Antimony	ND		0.020	0.0068	mg/L		05/27/22 09:30	05/27/22 15:04	1
Arsenic	ND		0.010	0.0056	mg/L		05/27/22 09:30	05/27/22 15:04	1
Barium	**0.033**		0.0020	0.00070	mg/L		05/27/22 09:30	05/27/22 15:04	1
Beryllium	ND		0.0020	0.00030	mg/L		05/27/22 09:30	05/27/22 15:04	1
Cadmium	ND		0.0010	0.00050	mg/L		05/27/22 09:30	05/27/22 15:04	1
Calcium	**106**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 15:04	1
Chromium	ND		0.0040	0.0010	mg/L		05/27/22 09:30	05/27/22 15:04	1
Cobalt	ND		0.0040	0.00063	mg/L		05/27/22 09:30	05/27/22 15:04	1
Copper	ND		0.010	0.0016	mg/L		05/27/22 09:30	05/27/22 15:04	1
Iron	**0.094**		0.050	0.019	mg/L		05/27/22 09:30	05/27/22 15:04	1
Lead	ND		0.0050	0.0030	mg/L		05/27/22 09:30	05/27/22 15:04	1
Magnesium	**3.0**		0.20	0.043	mg/L		05/27/22 09:30	05/27/22 15:04	1
Manganese	**0.072**		0.0030	0.00040	mg/L		05/27/22 09:30	05/27/22 15:04	1
Nickel	ND		0.010	0.0013	mg/L		05/27/22 09:30	05/27/22 15:04	1
Potassium	**59.6**		0.50	0.10	mg/L		05/27/22 09:30	05/27/22 15:04	1
Selenium	ND		0.015	0.0087	mg/L		05/27/22 09:30	05/27/22 15:04	1
Silver	ND		0.0030	0.0017	mg/L		05/27/22 09:30	05/27/22 15:04	1
Sodium	**200**		1.0	0.32	mg/L		05/27/22 09:30	05/27/22 15:04	1
Thallium	ND		0.020	0.010	mg/L		05/27/22 09:30	05/27/22 15:04	1
Vanadium	**0.0034**	**J**	0.0050	0.0015	mg/L		05/27/22 09:30	05/27/22 15:04	1
Zinc	ND		0.010	0.0015	mg/L		05/27/22 09:30	05/27/22 15:04	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		05/27/22 12:05	05/27/22 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.035**		0.010	0.0050	mg/L		06/06/22 12:00	06/07/22 08:50	1

Surrogate Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
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)			
Lab Sample ID	Client Sample ID	DCA (77-120)	BFB (73-120)	TOL (80-120)	DBFM (75-123)
480-198320-1	TRIP BLANK	85	98	86	94
480-198320-2	DUP-1	84	106	90	91
480-198320-3	RW-4	89	94	85	92
480-198320-4	RW-5	88	102	89	89
480-198320-5	S-1	85	104	90	89
480-198320-6	S-2	86	98	90	90
480-198320-7	S-3	90	101	86	94
480-198320-8	S-4	84	104	90	89
LCS 480-628588/6	Lab Control Sample	85	95	88	87
MB 480-628588/8	Method Blank	87	104	88	89

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)					
Lab Sample ID	Client Sample ID	TBP (41-120)	FBP (48-120)	2FP (35-120)	NBZ (46-120)	TPHd14 (60-148)	PHL (22-120)
480-198320-2	DUP-1	102	90	61	84	89	43
480-198320-2 - RE	DUP-1	113	99	72	98	101	53
480-198320-3	RW-4	99	91	63	84	80	45
480-198320-3 - RE	RW-4	114	94	66	88	88	51
480-198320-4	RW-5	87	93	59	85	87	44
480-198320-4 - RE	RW-5	105	98	71	95	90	54
480-198320-5	S-1	82	90	63	85	71	44
480-198320-5 - RE	S-1	82	80	55	76	67	40
480-198320-6	S-2	107	89	63	86	67	44
480-198320-6 - RE	S-2	100	98	69	98	80	52
480-198320-7	S-3	92	92	61	78	69	41
480-198320-7 - RE	S-3	103	96	63	86	98	48
480-198320-8	S-4	84	79	51	69	74	37
480-198320-8 - RE	S-4	100	94	64	85	69	48
LCS 480-627913/2-A	Lab Control Sample	95	82	59	79	94	52
LCS 480-628571/2-A	Lab Control Sample	105	92	69	96	99	61
LCSD 480-627913/3-A	Lab Control Sample Dup	94	80	55	75	94	48
LCSD 480-628571/3-A	Lab Control Sample Dup	106	92	73	97	97	62
MB 480-627913/1-A	Method Blank	70	86	60	80	86	44
MB 480-628571/1-A	Method Blank	92	100	71	98	105	53

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: 480-198320-1
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	DCBP2 (20-120)	TCX2 (44-120)
480-198320-2	DUP-1	45	73
480-198320-5	S-1	59	81
480-198320-6	S-2	39	75
480-198320-7	S-3	51	100
480-198320-8	S-4	59	80
LCS 480-627996/2-A	Lab Control Sample	42	55
LCSD 480-627996/3-A	Lab Control Sample Dup	48	75
MB 480-627996/1-A	Method Blank	56	74

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)
480-198320-2	DUP-1	48	82
480-198320-5	S-1	41	84
480-198320-6	S-2	39	80
480-198320-7	S-3	43	78
480-198320-8	S-4	48	73
LCS 480-627716/2-A	Lab Control Sample	50	74
LCSD 480-627716/3-A	Lab Control Sample Dup	45	80
MB 480-627716/1-A	Method Blank	45	78

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: MB 480-628588/8
Matrix: Water
Analysis Batch: 628588

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			06/03/22 01:77	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/03/22 01:77	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/03/22 01:77	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/03/22 01:77	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/03/22 01:77	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/03/22 01:77	1
1,2-Dichloroethene, Total	ND		2.0	0.81	ug/L			06/03/22 01:77	1
1,2-Dichloropropane	ND		1.0	0.B2	ug/L			06/03/22 01:77	1
2-(utanone MK E) 5	ND		10	1.3	ug/L			06/03/22 01:77	1
2-Hexanone	ND		7.0	1.2	ug/L			06/03/22 01:77	1
4-K ethyl-2-pentanone MK I( ) 5	ND		7.0	2.1	ug/L			06/03/22 01:77	1
Acetone	ND		10	3.0	ug/L			06/03/22 01:77	1
(enzene	ND		1.0	0.41	ug/L			06/03/22 01:77	1
(romoform	ND		1.0	0.26	ug/L			06/03/22 01:77	1
(romomethane	ND		1.0	0.69	ug/L			06/03/22 01:77	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/03/22 01:77	1
Carbon tetrachloride	ND		1.0	0.2B	ug/L			06/03/22 01:77	1
Chlorobenzene	ND		1.0	0.B7	ug/L			06/03/22 01:77	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/03/22 01:77	1
Chloroethane	ND		1.0	0.32	ug/L			06/03/22 01:77	1
Chloroform	ND		1.0	0.34	ug/L			06/03/22 01:77	1
Chloromethane	ND		1.0	0.37	ug/L			06/03/22 01:77	1
(romodichloromethane	ND		1.0	0.39	ug/L			06/03/22 01:77	1
Ethylbenzene	ND		1.0	0.B4	ug/L			06/03/22 01:77	1
K ethylene Chloride	ND		1.0	0.44	ug/L			06/03/22 01:77	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/03/22 01:77	1
Toluene	ND		1.0	0.71	ug/L			06/03/22 01:77	1
trans-1,3-Dichloropropene	ND		1.0	0.3B	ug/L			06/03/22 01:77	1
Trichloroethene	ND		1.0	0.46	ug/L			06/03/22 01:77	1
* inyl chloride	ND		1.0	0.90	ug/L			06/03/22 01:77	1
Vylenes, Total	ND		2.0	0.66	ug/L			06/03/22 01:77	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/03/22 01:77	1
Styrene	ND		1.0	0.B3	ug/L			06/03/22 01:77	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*55 - 127*		*706/ 622 713 :*	*1*
4-Bromofluorobenzene (Surr)	*174*		*5/ - 127*		*706/ 622 713 :*	*1*
9oluene-d8 (Surr)	*88*		*87 - 127*		*706/ 622 713 :*	*1*
Dibromofluoromethane (Surr)	*8T*		*5: - 12/*		*706/ 622 713 :*	*1*

Lab Sample ID: LCS 480-628588/6
Matrix: Water
Analysis Batch: 628588

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	27.0	24.4		ug/L		98	B3 - 126
1,1,2,2-Tetrachloroethane	27.0	23.2		ug/L		93	B6 - 120
1,1,2-Trichloroethane	27.0	21.8		ug/L		8B	B6 - 122

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

Lab Sample ID: LCS 480-628588/6
Matrix: Water
Analysis Batch: 628588

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	27.0	21.B		ug/L		8B	BB - 120
1,1-Dichloroethene	27.0	20.8		ug/L		83	66 - 12B
1,2-Dichloroethane	27.0	24.3		ug/L		9B	B7 - 120
1,2-Dichloropropane	27.0	22.B		ug/L		91	B6 - 120
2-(utanone MK E) 5	127	130		ug/L		104	7B - 140
2-Hexanone	127	118		ug/L		94	67 - 12B
4-K ethyl-2-pentanone MK I( ) 5	127	107		ug/L		84	B1 - 127
Acetone	127	168		ug/L		134	76 - 142
(enzene	27.0	22.3		ug/L		89	B1 - 124
(romoform	27.0	21.B		ug/L		8B	61 - 132
(romomethane	27.0	20.4		ug/L		81	77 - 144
Carbon disulfide	27.0	19.3		ug/L		BB	79 - 134
Carbon tetrachloride	27.0	23.0		ug/L		92	B2 - 134
Chlorobenzene	27.0	23.6		ug/L		94	80 - 120
Dibromochloromethane	27.0	27.4		ug/L		102	B7 - 127
Chloroethane	27.0	16.3	X-	ug/L		67	69 - 136
Chloroform	27.0	23.8		ug/L		97	B3 - 12B
Chloromethane	27.0	16.6	X-	ug/L		66	68 - 124
(romodichloromethane	27.0	24.2		ug/L		9B	80 - 122
Ethylbenzene	27.0	21.B		ug/L		8B	BB - 123
K ethylene Chloride	27.0	21.9		ug/L		88	B7 - 124
Tetrachloroethene	27.0	22.4		ug/L		90	B4 - 122
Toluene	27.0	21.8		ug/L		8B	80 - 122
trans-1,3-Dichloropropene	27.0	21.9		ug/L		88	80 - 120
Trichloroethene	27.0	23.8		ug/L		97	B4 - 123
* inyl chloride	27.0	16.8		ug/L		6B	67 - 133
cis-1,3-Dichloropropene	27.0	23.9		ug/L		96	B4 - 124
Styrene	27.0	21.0		ug/L		84	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*8:*		*55 - 127*
4-Bromofluorobenzene (Surr)	*T:*		*5/ - 127*
9oluene-d8 (Surr)	*88*		*87 - 127*
Dibromofluoromethane (Surr)	*85*		*5: - 12/*

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

Lab Sample ID: MB 480-627913/1-A
Matrix: Water
Analysis Batch: 628181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis M2-chloroisopropyl5ether	ND		7.0	0.72	ug/L		07/2B/22 11:04	07/31/22 18:28	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		07/2B/22 11:04	07/31/22 18:28	1
2,4,7-Trichlorophenol	ND		7.0	0.48	ug/L		07/2B/22 11:04	07/31/22 18:28	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		07/2B/22 11:04	07/31/22 18:28	1
2,4,6-Trichlorophenol	ND		7.0	0.61	ug/L		07/2B/22 11:04	07/31/22 18:28	1
2,4-Dichlorophenol	ND		7.0	0.71	ug/L		07/2B/22 11:04	07/31/22 18:28	1
2,4-Dimethylphenol	ND		7.0	0.70	ug/L		07/2B/22 11:04	07/31/22 18:28	1

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

Lab Sample ID: MB 480-627913/1-A
Matrix: Water
Analysis Batch: 628181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627913

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	0.48	ug/L		07/28/22 11:04	07/31/22 18:28	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		07/28/22 11:04	07/31/22 18:28	1
2,4-Dinitrotoluene	ND		7.0	0.47	ug/L		07/28/22 11:04	07/31/22 18:28	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		07/28/22 11:04	07/31/22 18:28	1
2,6-Dinitrotoluene	ND		7.0	0.40	ug/L		07/28/22 11:04	07/31/22 18:28	1
2-Chloronaphthalene	ND		7.0	0.46	ug/L		07/28/22 11:04	07/31/22 18:28	1
2-Chlorophenol	ND		7.0	0.73	ug/L		07/28/22 11:04	07/31/22 18:28	1
2-K ethylnaphthalene	ND		7.0	0.60	ug/L		07/28/22 11:04	07/31/22 18:28	1
2-K ethylphenol	ND		7.0	0.40	ug/L		07/28/22 11:04	07/31/22 18:28	1
2-Nitroaniline	ND		10	0.42	ug/L		07/28/22 11:04	07/31/22 18:28	1
2-Nitrophenol	ND		7.0	0.48	ug/L		07/28/22 11:04	07/31/22 18:28	1
3,3'-Dichlorobenzidine	ND		7.0	0.40	ug/L		07/28/22 11:04	07/31/22 18:28	1
3-Nitroaniline	ND		10	0.48	ug/L		07/28/22 11:04	07/31/22 18:28	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		07/28/22 11:04	07/31/22 18:28	1
4-(romophenyl phenyl ether	ND		7.0	0.47	ug/L		07/28/22 11:04	07/31/22 18:28	1
4-Chloro-3-methylphenol	ND		7.0	0.47	ug/L		07/28/22 11:04	07/31/22 18:28	1
4-Chloroaniline	ND		7.0	0.79	ug/L		07/28/22 11:04	07/31/22 18:28	1
4-Chlorophenyl phenyl ether	ND		7.0	0.37	ug/L		07/28/22 11:04	07/31/22 18:28	1
4-K ethylphenol	ND		10	0.36	ug/L		07/28/22 11:04	07/31/22 18:28	1
4-Nitroaniline	ND		10	0.27	ug/L		07/28/22 11:04	07/31/22 18:28	1
4-Nitrophenol	ND		10	1.7	ug/L		07/28/22 11:04	07/31/22 18:28	1
Acenaphthene	ND		7.0	0.41	ug/L		07/28/22 11:04	07/31/22 18:28	1
Acenaphthylene	ND		7.0	0.38	ug/L		07/28/22 11:04	07/31/22 18:28	1
Anthracene	ND		7.0	0.28	ug/L		07/28/22 11:04	07/31/22 18:28	1
(enzo[a]anthracene	ND		7.0	0.36	ug/L		07/28/22 11:04	07/31/22 18:28	1
(enzo[a]pyrene	ND		7.0	0.4B	ug/L		07/28/22 11:04	07/31/22 18:28	1
(enzo[b]fluoranthene	ND		7.0	0.34	ug/L		07/28/22 11:04	07/31/22 18:28	1
(enzo[g,h,i]perylene	ND		7.0	0.37	ug/L		07/28/22 11:04	07/31/22 18:28	1
(enzo[k]fluoranthene	ND		7.0	0.B3	ug/L		07/28/22 11:04	07/31/22 18:28	1
(isN2-chloroethoxy5methane	ND		7.0	0.37	ug/L		07/28/22 11:04	07/31/22 18:28	1
(isN2-chloroethyl5ether	ND		7.0	0.40	ug/L		07/28/22 11:04	07/31/22 18:28	1
(isN2-ethylhexyl5phthalate	ND		7.0	2.2	ug/L		07/28/22 11:04	07/31/22 18:28	1
(utyl benzyl phthalate	ND		7.0	1.0	ug/L		07/28/22 11:04	07/31/22 18:28	1
Carbazole	ND		7.0	0.30	ug/L		07/28/22 11:04	07/31/22 18:28	1
Chrysene	ND		7.0	0.33	ug/L		07/28/22 11:04	07/31/22 18:28	1
Di-n-butyl phthalate	ND		7.0	0.31	ug/L		07/28/22 11:04	07/31/22 18:28	1
Di-n-octyl phthalate	ND		7.0	0.4B	ug/L		07/28/22 11:04	07/31/22 18:28	1
DibenzM,h5anthracene	ND		7.0	0.42	ug/L		07/28/22 11:04	07/31/22 18:28	1
Dibenzofuran	ND		10	0.71	ug/L		07/28/22 11:04	07/31/22 18:28	1
Diethyl phthalate	ND		7.0	0.22	ug/L		07/28/22 11:04	07/31/22 18:28	1
Dimethyl phthalate	ND		7.0	0.36	ug/L		07/28/22 11:04	07/31/22 18:28	1
Fluoranthene	ND		7.0	0.40	ug/L		07/28/22 11:04	07/31/22 18:28	1
Fluorene	ND		7.0	0.36	ug/L		07/28/22 11:04	07/31/22 18:28	1
Hexachlorobenzene	ND		7.0	0.71	ug/L		07/28/22 11:04	07/31/22 18:28	1
Hexachlorobutadiene	ND		7.0	0.68	ug/L		07/28/22 11:04	07/31/22 18:28	1
Hexachlorocyclopentadiene	ND		7.0	0.79	ug/L		07/28/22 11:04	07/31/22 18:28	1
Hexachloroethane	ND		7.0	0.79	ug/L		07/28/22 11:04	07/31/22 18:28	1
Indeno[1,2,3-cd]pyrene	ND		7.0	0.4B	ug/L		07/28/22 11:04	07/31/22 18:28	1
Isophorone	ND		7.0	0.43	ug/L		07/28/22 11:04	07/31/22 18:28	1

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

Lab Sample ID: MB 480-627913/1-A — **Client Sample ID: Method Blank**

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

Analysis Batch: 628181 — **Prep Batch: 627913**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	ND		7.0	0.74	ug/L		07/2B/22 11:04	07/31/22 18:28	1
N-Nitrosodiphenylamine	ND		7.0	0.71	ug/L		07/2B/22 11:04	07/31/22 18:28	1
Naphthalene	ND		7.0	0.B6	ug/L		07/2B/22 11:04	07/31/22 18:28	1
Nitrobenzene	ND		7.0	0.29	ug/L		07/2B/22 11:04	07/31/22 18:28	1
Pentachlorophenol	ND		10	2.2	ug/L		07/2B/22 11:04	07/31/22 18:28	1
Phenanthrene	ND		7.0	0.44	ug/L		07/2B/22 11:04	07/31/22 18:28	1
Phenol	ND		7.0	0.39	ug/L		07/2B/22 11:04	07/31/22 18:28	1
Pyrene	ND		7.0	0.34	ug/L		07/2B/22 11:04	07/31/22 18:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,0-9ribromophenol	*57*		*41 - 127*	*7: 6256 22 11374*	*7: 6 1622 18328*	*1*
2-Fluorobiphenyl	*80*		*48 - 127*	*7: 6256 22 11374*	*7: 6 1622 18328*	*1*
2-Fluorophenol	*07*		*/ : - 127*	*7: 6256 22 11374*	*7: 6 1622 18328*	*1*
Nitrobenzene-d:	*87*		*40 - 127*	*7: 6256 22 11374*	*7: 6 1622 18328*	*1*
p-9erphenyl-d14	*80*		*07 - 148*	*7: 6256 22 11374*	*7: 6 1622 18328*	*1*
Phenol-d:	*44*		*22 - 127*	*7: 6256 22 11374*	*7: 6 1622 18328*	*1*

Lab Sample ID: LCS 480-627913/2-A — **Client Sample ID: Lab Control Sample**

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

Analysis Batch: 628181 — **Prep Batch: 627913**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis M2-chloroisopropyl5ether	32.0	23.1		ug/L		B2	21 - 136
1,2,4-Trichlorobenzene	32.0	20.8		ug/L		67	40 - 120
2,4,7-Trichlorophenol	32.0	2B.2		ug/L		87	67 - 126
1,2-Dichlorobenzene	32.0	18.3		ug/L		7B	49 - 120
2,4,6-Trichlorophenol	32.0	27.3		ug/L		B9	64 - 120
2,4-Dichlorophenol	32.0	26.9		ug/L		84	63 - 120
2,4-Dimethylphenol	32.0	26.6		ug/L		83	4B - 120
1,3-Dichlorobenzene	32.0	1B.2		ug/L		74	70 - 120
2,4-Dinitrophenol	64.0	66.3		ug/L		104	31 - 13B
2,4-Dinitrotoluene	32.0	33.3		ug/L		104	69 - 120
1,4-Dichlorobenzene	32.0	1B.4		ug/L		74	71 - 120
2,6-Dinitrotoluene	32.0	29.3		ug/L		92	68 - 120
2-Chloronaphthalene	32.0	31.1		ug/L		9B	78 - 120
2-Chlorophenol	32.0	23.8		ug/L		B4	48 - 120
2-K ethylnaphthalene	32.0	21.9		ug/L		68	79 - 120
2-K ethylphenol	32.0	24.3		ug/L		B6	39 - 120
2-Nitroaniline	32.0	29.9		ug/L		93	74 - 12B
2-Nitrophenol	32.0	2B.4		ug/L		86	72 - 127
3,3'-Dichlorobenzidine	64.0	B1.1		ug/L		111	49 - 137
3-Nitroaniline	32.0	28.1		ug/L		88	71 - 120
4,6-Dinitro-2-methylphenol	64.0	B2.9		ug/L		114	46 - 136
4-(romophenyl phenyl ether	32.0	29.4		ug/L		92	67 - 120
4-Chloro-3-methylphenol	32.0	28.B		ug/L		90	61 - 123
4-Chloroaniline	32.0	2B.2		ug/L		87	30 - 120
4-Chlorophenyl phenyl ether	32.0	26.B		ug/L		83	62 - 120
4-K ethylphenol	32.0	24.0		ug/L		B7	29 - 131

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

Lab Sample ID: LCS 480-627913/2-A
Matrix: Water
Analysis Batch: 628181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627913

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitroaniline	32.0	37.9		ug/L		112	67 - 120
4-Nitrophenol	64.0	70.0		ug/L		B8	47 - 120
Acenaphthene	32.0	26.6		ug/L		83	60 - 120
Acenaphthylene	32.0	27.9		ug/L		81	63 - 120
Anthracene	32.0	30.9		ug/L		96	6B - 120
(enzo[a]anthracene	32.0	31.0		ug/L		9B	B0 - 121
(enzo[a]pyrene	32.0	28.1		ug/L		88	60 - 123
(enzo[b]fluoranthene	32.0	33.7		ug/L		107	66 - 126
(enzo[g,h,i]perylene	32.0	29.6		ug/L		92	66 - 170
(enzo[k]fluoranthene	32.0	29.9		ug/L		94	67 - 124
(is2-chloroethoxy5methane	32.0	24.7		ug/L		BB	70 - 128
(is2-chloroethyl5ether	32.0	23.B		ug/L		B4	44 - 120
(is2-ethylhexyl5phthalate	32.0	31.B		ug/L		99	63 - 139
(utyl benzyl phthalate	32.0	32.8		ug/L		102	B0 - 129
Carbazole	32.0	40.0	X+	ug/L		127	66 - 123
Chrysene	32.0	30.2		ug/L		94	69 - 120
Di-n-butyl phthalate	32.0	31.3		ug/L		98	69 - 131
Di-n-octyl phthalate	32.0	31.7		ug/L		98	63 - 140
DibenzM4,h5anthracene	32.0	31.3		ug/L		98	67 - 137
Dibenzofuran	32.0	26.9		ug/L		84	66 - 120
Diethyl phthalate	32.0	29.4		ug/L		92	79 - 12B
Dimethyl phthalate	32.0	28.8		ug/L		90	68 - 120
Fluoranthene	32.0	31.1		ug/L		9B	69 - 126
Fluorene	32.0	28.2		ug/L		88	66 - 120
Hexachlorobenzene	32.0	30.2		ug/L		94	61 - 120
Hexachlorobutadiene	32.0	1B.3		ug/L		74	37 - 120
Hexachlorocyclopentadiene	32.0	19.7		ug/L		61	31 - 120
Hexachloroethane	32.0	16.1		ug/L		70	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	31.8		ug/L		100	69 - 146
Isophorone	32.0	2B.0		ug/L		84	77 - 120
N-Nitrosodi-n-propylamine	32.0	2B.0		ug/L		84	32 - 140
N-Nitrosodiphenylamine	32.0	29.4		ug/L		92	61 - 120
Naphthalene	32.0	23.9		ug/L		B7	7B - 120
Nitrobenzene	32.0	26.B		ug/L		83	73 - 123
Pentachlorophenol	64.0	61.0		ug/L		97	29 - 136
Phenanthrene	32.0	30.3		ug/L		97	68 - 120
Phenol	32.0	1B.2		ug/L		74	1B - 120
Pyrene	32.0	30.B		ug/L		96	B0 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,0-9ribromophenol	*T:*		*41 - 127*
2-Fluorobiphenyl	*82*		*48 - 127*
2-Fluorophenol	*: T*		*/ : - 127*
Nitrobenzene-d:	*5T*		*40 - 127*
p-9erphenyl-d14	*T4*		*07 - 148*
Phenol-d:	*: 2*		*22 - 127*

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

Job ID: 480-198320-1

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

Lab Sample ID: LCSD 480-627913/3-A
Matrix: Water
Analysis Batch: 628181

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627913

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
bis (2-chloroisopropyl) ether	32.0	21.6		ug/L		68	21 - 136	B	24
1,2,4-Trichlorobenzene	32.0	19.7		ug/L		61	40 - 120	B	30
2,4,7-Trichlorophenol	32.0	29.0		ug/L		91	67 - 126	6	18
1,2-Dichlorobenzene	32.0	1B.1		ug/L		74	49 - 120	6	29
2,4,6-Trichlorophenol	32.0	27.B		ug/L		80	64 - 120	2	19
2,4-Dichlorophenol	32.0	26.2		ug/L		82	63 - 120	3	19
2,4-Dimethylphenol	32.0	27.8		ug/L		81	4B - 120	3	42
1,3-Dichlorobenzene	32.0	17.B	X	ug/L		49	70 - 120	9	3B
2,4-Dinitrophenol	64.0	69.1		ug/L		108	31 - 13B	4	22
2,4-Dinitrotoluene	32.0	34.1		ug/L		10B	69 - 120	2	20
1,4-Dichlorobenzene	32.0	16.2	X	ug/L		70	71 - 120	B	36
2,6-Dinitrotoluene	32.0	30.0		ug/L		94	68 - 120	2	17
2-Chloronaphthalene	32.0	28.8		ug/L		90	78 - 120	B	21
2-Chlorophenol	32.0	22.6		ug/L		B0	48 - 120	7	27
2-K ethylnaphthalene	32.0	20.8		ug/L		67	79 - 120	7	21
2-K ethylphenol	32.0	22.8		ug/L		B1	39 - 120	6	2B
2-Nitroaniline	32.0	29.9		ug/L		94	74 - 12B	0	17
2-Nitrophenol	32.0	26.2		ug/L		82	72 - 127	7	18
3,3'-Dichlorobenzidine	64.0	66.1		ug/L		103	49 - 137	B	27
3-Nitroaniline	32.0	30.4		ug/L		97	71 - 120	8	19
4,6-Dinitro-2-methylphenol	64.0	B4.3		ug/L		116	46 - 136	2	17
4-(romophenyl phenyl ether	32.0	28.6		ug/L		89	67 - 120	3	17
4-Chloro-3-methylphenol	32.0	28.6		ug/L		89	61 - 123	0	2B
4-Chloroaniline	32.0	26.1		ug/L		81	30 - 120	4	22
4-Chlorophenyl phenyl ether	32.0	26.B		ug/L		84	62 - 120	0	16
4-K ethylphenol	32.0	23.1		ug/L		B2	29 - 131	4	24
4-Nitroaniline	32.0	36.B		ug/L		117	67 - 120	2	24
4-Nitrophenol	64.0	70.B		ug/L		B9	47 - 120	1	48
Acenaphthene	32.0	27.9		ug/L		81	60 - 120	2	24
Acenaphthylene	32.0	27.4		ug/L		80	63 - 120	2	18
Anthracene	32.0	30.7		ug/L		97	6B - 120	1	17
(enzo[a]anthracene	32.0	30.1		ug/L		94	B0 - 121	3	17
(enzo[a]pyrene	32.0	28.0		ug/L		8B	60 - 123	0	17
(enzo[b]fluoranthene	32.0	33.0		ug/L		103	66 - 126	1	17
(enzo[g,h,i]perylene	32.0	29.7		ug/L		92	66 - 170	0	17
(enzo[k]fluoranthene	32.0	29.2		ug/L		91	67 - 124	2	22
(is(2-chloroethoxy) methane	32.0	23.9		ug/L		B7	70 - 128	2	1B
(is(2-chloroethyl) ether	32.0	22.0		ug/L		69	44 - 120	B	21
(is(2-ethylhexyl) phthalate	32.0	30.6		ug/L		96	63 - 139	3	17
(utyl benzyl phthalate	32.0	32.B		ug/L		102	B0 - 129	0	16
Carbazole	32.0	38.7		ug/L		120	66 - 123	4	20
Chrysene	32.0	30.4		ug/L		97	69 - 120	0	17
Di-n-butyl phthalate	32.0	31.3		ug/L		98	69 - 131	0	17
Di-n-octyl phthalate	32.0	30.B		ug/L		96	63 - 140	2	16
Dibenz[a,h]anthracene	32.0	30.8		ug/L		96	67 - 137	2	17
Dibenzofuran	32.0	26.4		ug/L		82	66 - 120	2	17
Diethyl phthalate	32.0	29.B		ug/L		93	79 - 12B	1	17
Dimethyl phthalate	32.0	29.1		ug/L		91	68 - 120	1	17

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

Lab Sample ID: LCSD 480-627913/3-A
Matrix: Water
Analysis Batch: 628181

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627913

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoranthene			32.0	30.2		ug/L		94	69 - 126	3	17
Fluorene			32.0	28.6		ug/L		89	66 - 120	1	17
Hexachlorobenzene			32.0	29.8		ug/L		93	61 - 120	1	17
Hexachlorobutadiene			32.0	16.1		ug/L		70	37 - 120	B	44
Hexachlorocyclopentadiene			32.0	18.1		ug/L		7B	31 - 120	B	49
Hexachloroethane			32.0	17.0		ug/L		4B	43 - 120	B	46
Indeno[1,2,3-cd]pyrene			32.0	30.4		ug/L		97	69 - 146	7	17
Isophorone			32.0	26.0		ug/L		81	77 - 120	4	1B
N-Nitrosodi-n-propylamine			32.0	26.0		ug/L		81	32 - 140	4	31
N-Nitrosodiphenylamine			32.0	28.8		ug/L		90	61 - 120	2	17
Naphthalene			32.0	22.B		ug/L		B1	7B - 120	7	29
Nitrobenzene			32.0	27.1		ug/L		B8	73 - 123	6	24
Pentachlorophenol			64.0	60.2		ug/L		94	29 - 136	1	3B
Phenanthrene			32.0	30.0		ug/L		94	68 - 120	1	17
Phenol			32.0	16.3		ug/L		71	1B - 120	6	34
Pyrene			32.0	30.8		ug/L		96	B0 - 127	0	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,0-9ribromophenol	*T4*		*41 - 127*
2-Fluorobiphenyl	*87*		*48 - 127*
2-Fluorophenol	*: :*		*/ : - 127*
Nitrobenzene-d:	*5:*		*40 - 127*
p-9erphenyl-d14	*T4*		*07 - 148*
Phenol-d:	*48*		*22 - 127*

Lab Sample ID: MB 480-628571/1-A
Matrix: Water
Analysis Batch: 628701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
bis M2-chloroisopropyl5ether	ND		7.0	0.72	ug/L		06/02/22 17:1B	06/03/22 20:22	1
1,2,4-Trichlorobenzene	ND		10	0.44	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2,4,7-Trichlorophenol	ND		7.0	0.48	ug/L		06/02/22 17:1B	06/03/22 20:22	1
1,2-Dichlorobenzene	ND		10	0.40	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2,4,6-Trichlorophenol	ND		7.0	0.61	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2,4-Dichlorophenol	ND		7.0	0.71	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2,4-Dimethylphenol	ND		7.0	0.70	ug/L		06/02/22 17:1B	06/03/22 20:22	1
1,3-Dichlorobenzene	ND		10	0.48	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2,4-Dinitrotoluene	ND		7.0	0.47	ug/L		06/02/22 17:1B	06/03/22 20:22	1
1,4-Dichlorobenzene	ND		10	0.46	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2,6-Dinitrotoluene	ND		7.0	0.40	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2-Chloronaphthalene	ND		7.0	0.46	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2-Chlorophenol	ND		7.0	0.73	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2-K ethylnaphthalene	ND		7.0	0.60	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2-K ethylphenol	ND		7.0	0.40	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2-Nitroaniline	ND		10	0.42	ug/L		06/02/22 17:1B	06/03/22 20:22	1
2-Nitrophenol	ND		7.0	0.48	ug/L		06/02/22 17:1B	06/03/22 20:22	1

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

Lab Sample ID: MB 480-628571/1-A
Matrix: Water
Analysis Batch: 628701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628571

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		7.0	0.40	ug/L		06/02/22 17:1B	06/03/22 20:22	1
3-Nitroaniline	ND		10	0.48	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4-(romophenyl phenyl ether	ND		7.0	0.47	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4-Chloro-3-methylphenol	ND		7.0	0.47	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4-Chloroaniline	ND		7.0	0.79	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4-Chlorophenyl phenyl ether	ND		7.0	0.37	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4-K ethylphenol	ND		10	0.36	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4-Nitroaniline	ND		10	0.27	ug/L		06/02/22 17:1B	06/03/22 20:22	1
4-Nitrophenol	ND		10	1.7	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Acenaphthene	ND		7.0	0.41	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Acenaphthylene	ND		7.0	0.38	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Anthracene	ND		7.0	0.28	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(enzo[a]anthracene	ND		7.0	0.36	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(enzo[a]pyrene	ND		7.0	0.4B	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(enzo[b]fluoranthene	ND		7.0	0.34	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(enzo[g,h,i]perylene	ND		7.0	0.37	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(enzo[k]fluoranthene	ND		7.0	0.B3	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(isN2-chloroethoxy5methane	ND		7.0	0.37	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(isN2-chloroethyl5ether	ND		7.0	0.40	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(isN2-ethylhexyl5phthalate	ND		7.0	2.2	ug/L		06/02/22 17:1B	06/03/22 20:22	1
(utyl benzyl phthalate	ND		7.0	1.0	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Carbazole	ND		7.0	0.30	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Chrysene	ND		7.0	0.33	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Di-n-butyl phthalate	ND		7.0	0.31	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Di-n-octyl phthalate	ND		7.0	0.4B	ug/L		06/02/22 17:1B	06/03/22 20:22	1
DibenzM,h5anthracene	ND		7.0	0.42	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Dibenzofuran	ND		10	0.71	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Diethyl phthalate	ND		7.0	0.22	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Dimethyl phthalate	ND		7.0	0.36	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Fluoranthene	ND		7.0	0.40	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Fluorene	ND		7.0	0.36	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Hexachlorobenzene	ND		7.0	0.71	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Hexachlorobutadiene	ND		7.0	0.68	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Hexachlorocyclopentadiene	ND		7.0	0.79	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Hexachloroethane	ND		7.0	0.79	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Indeno[1,2,3-cd]pyrene	ND		7.0	0.4B	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Isophorone	ND		7.0	0.43	ug/L		06/02/22 17:1B	06/03/22 20:22	1
N-Nitrosodi-n-propylamine	ND		7.0	0.74	ug/L		06/02/22 17:1B	06/03/22 20:22	1
N-Nitrosodiphenylamine	ND		7.0	0.71	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Naphthalene	ND		7.0	0.B6	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Nitrobenzene	ND		7.0	0.29	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Pentachlorophenol	ND		10	2.2	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Phenanthrene	ND		7.0	0.44	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Phenol	ND		7.0	0.39	ug/L		06/02/22 17:1B	06/03/22 20:22	1
Pyrene	ND		7.0	0.34	ug/L		06/02/22 17:1B	06/03/22 20:22	1

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

Job ID: 480-198320-1

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

Lab Sample ID: MB 480-628571/1-A
Matrix: Water
Analysis Batch: 628701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628571

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,0-9ribromophenol	T2		41 - 127	706726 22 1: 315	706/ 622 2732 2	1
2-Fluorobiphenyl	177		48 - 127	706726 22 1: 315	706/ 622 2732 2	1
2-Fluorophenol	51		/ : - 127	706726 22 1: 315	706/ 622 2732 2	1
Nitrobenzene-d:	T8		40 - 127	706726 22 1: 315	706/ 622 2732 2	1
p-9erphenyl-d14	17:		07 - 148	706726 22 1: 315	706/ 622 2732 2	1
Phenol-d:	: /		22 - 127	706726 22 1: 315	706/ 622 2732 2	1

Lab Sample ID: LCS 480-628571/2-A
Matrix: Water
Analysis Batch: 628701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
bis M2-chloroisopropyl5ether	32.0	2B.9		ug/L		8B	21 - 136
1,2,4-Trichlorobenzene	32.0	24.3		ug/L		B6	40 - 120
2,4,7-Trichlorophenol	32.0	33.3		ug/L		104	67 - 126
1,2-Dichlorobenzene	32.0	22.B		ug/L		B1	49 - 120
2,4,6-Trichlorophenol	32.0	30.8		ug/L		96	64 - 120
2,4-Dichlorophenol	32.0	31.4		ug/L		98	63 - 120
2,4-Dimethylphenol	32.0	31.2		ug/L		98	4B - 120
1,3-Dichlorobenzene	32.0	21.7		ug/L		6B	70 - 120
2,4-Dinitrophenol	64.0	BB.0		ug/L		120	31 - 13B
2,4-Dinitrotoluene	32.0	3B.6		ug/L		11B	69 - 120
1,4-Dichlorobenzene	32.0	21.8		ug/L		68	71 - 120
2,6-Dinitrotoluene	32.0	33.6		ug/L		107	68 - 120
2-Chloronaphthalene	32.0	30.3		ug/L		97	78 - 120
2-Chlorophenol	32.0	2B.B		ug/L		86	48 - 120
2-K ethylnaphthalene	32.0	27.0		ug/L		B8	79 - 120
2-K ethylphenol	32.0	2B.B		ug/L		86	39 - 120
2-Nitroaniline	32.0	36.7		ug/L		114	74 - 12B
2-Nitrophenol	32.0	31.B		ug/L		99	72 - 127
3,3'-Dichlorobenzidine	64.0	B3.0		ug/L		114	49 - 137
3-Nitroaniline	32.0	33.4		ug/L		104	71 - 120
4,6-Dinitro-2-methylphenol	64.0	80.2		ug/L		127	46 - 136
4-(romophenyl phenyl ether	32.0	32.3		ug/L		101	67 - 120
4-Chloro-3-methylphenol	32.0	33.6		ug/L		107	61 - 123
4-Chloroaniline	32.0	29.3		ug/L		92	30 - 120
4-Chlorophenyl phenyl ether	32.0	30.4		ug/L		97	62 - 120
4-K ethylphenol	32.0	28.2		ug/L		88	29 - 131
4-Nitroaniline	32.0	42.2	X+	ug/L		132	67 - 120
4-Nitrophenol	64.0	64.2		ug/L		100	47 - 120
Acenaphthene	32.0	30.1		ug/L		94	60 - 120
Acenaphthylene	32.0	29.7		ug/L		92	63 - 120
Anthracene	32.0	32.9		ug/L		103	6B - 120
(enzo[a]anthracene	32.0	31.6		ug/L		99	B0 - 121
(enzo[a]pyrene	32.0	29.8		ug/L		93	60 - 123
(enzo[b]fluoranthene	32.0	37.6		ug/L		111	66 - 126
(enzo[g,h,i]perylene	32.0	32.6		ug/L		102	66 - 170
(enzo[k]fluoranthene	32.0	31.B		ug/L		99	67 - 124

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

Lab Sample ID: LCS 480-628571/2-A
Matrix: Water
Analysis Batch: 628701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628571

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
(isN2-chloroethoxy5methane	32.0	28.3		ug/L		88	70 - 128
(isN2-chloroethyl5ether	32.0	28.1		ug/L		88	44 - 120
(isN2-ethylhexyl5phthalate	32.0	33.0		ug/L		103	63 - 139
(utyl benzyl phthalate	32.0	34.7		ug/L		108	B0 - 129
Carbazole	32.0	41.1	X+	ug/L		128	66 - 123
Chrysene	32.0	31.2		ug/L		9B	69 - 120
Di-n-butyl phthalate	32.0	34.4		ug/L		10B	69 - 131
Di-n-octyl phthalate	32.0	33.7		ug/L		107	63 - 140
DibenzM1,h5anthracene	32.0	33.8		ug/L		107	67 - 137
Dibenzofuran	32.0	30.9		ug/L		9B	66 - 120
Diethyl phthalate	32.0	33.9		ug/L		106	79 - 12B
Dimethyl phthalate	32.0	33.7		ug/L		107	68 - 120
Fluoranthene	32.0	32.9		ug/L		103	69 - 126
Fluorene	32.0	32.1		ug/L		100	66 - 120
Hexachlorobenzene	32.0	31.9		ug/L		100	61 - 120
Hexachlorobutadiene	32.0	19.9		ug/L		62	37 - 120
Hexachlorocyclopentadiene	32.0	22.4		ug/L		B0	31 - 120
Hexachloroethane	32.0	20.3		ug/L		63	43 - 120
Indeno[1,2,3-cd]pyrene	32.0	33.7		ug/L		107	69 - 146
Isophorone	32.0	31.3		ug/L		98	77 - 120
N-Nitrosodi-n-propylamine	32.0	31.3		ug/L		98	32 - 140
N-Nitrosodiphenylamine	32.0	32.4		ug/L		101	61 - 120
Naphthalene	32.0	2B.4		ug/L		86	7B - 120
Nitrobenzene	32.0	31.8		ug/L		99	73 - 123
Pentachlorophenol	64.0	67.3		ug/L		102	29 - 136
Phenanthrene	32.0	32.6		ug/L		102	68 - 120
Phenol	32.0	20.2		ug/L		63	1B - 120
Pyrene	32.0	30.9		ug/L		9B	B0 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,0-9ribromophenol	*17:*		*41 - 127*
2-Fluorobiphenyl	*T2*		*48 - 127*
2-Fluorophenol	*0T*		*/ : - 127*
Nitrobenzene-d:	*T0*		*40 - 127*
p-9erphenyl-d14	*TT*		*07 - 148*
Phenol-d:	*01*		*22 - 127*

Lab Sample ID: LCSD 480-628571/3-A
Matrix: Water
Analysis Batch: 628701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 628571

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
bis N2-chloroisopropyl5ether	32.0	28.0		ug/L		88	21 - 136	0	24
1,2,4-Trichlorobenzene	32.0	24.1		ug/L		B7	40 - 120	1	30
2,4,7-Trichlorophenol	32.0	33.8		ug/L		106	67 - 126	1	18
1,2-Dichlorobenzene	32.0	23.2		ug/L		B3	49 - 120	2	29
2,4,6-Trichlorophenol	32.0	31.0		ug/L		9B	64 - 120	1	19
2,4-Dichlorophenol	32.0	32.2		ug/L		101	63 - 120	3	19

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

Lab Sample ID: LCSD 480-628571/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 628701
Prep Batch: 628571

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4-Dimethylphenol	32.0	31.1		ug/L		9B	4B - 120	0	42
1,3-Dichlorobenzene	32.0	21.9		ug/L		68	70 - 120	2	3B
2,4-Dinitrophenol	64.0	BB.8		ug/L		122	31 - 13B	1	22
2,4-Dinitrotoluene	32.0	3B.4		ug/L		11B	69 - 120	1	20
1,4-Dichlorobenzene	32.0	22.4		ug/L		B0	71 - 120	3	36
2,6-Dinitrotoluene	32.0	33.3		ug/L		104	68 - 120	1	17
2-Chloronaphthalene	32.0	29.8		ug/L		93	78 - 120	2	21
2-Chlorophenol	32.0	28.7		ug/L		89	48 - 120	3	27
2-K ethylnaphthalene	32.0	24.6		ug/L		BB	79 - 120	2	21
2-K ethylphenol	32.0	28.2		ug/L		88	39 - 120	2	2B
2-Nitroaniline	32.0	37.8		ug/L		112	74 - 12B	2	17
2-Nitrophenol	32.0	31.9		ug/L		100	72 - 127	1	18
3,3'-Dichlorobenzidine	64.0	B2.0		ug/L		113	49 - 137	1	27
3-Nitroaniline	32.0	32.7		ug/L		101	71 - 120	3	19
4,6-Dinitro-2-methylphenol	64.0	80.4		ug/L		126	46 - 136	0	17
4-(romophenyl phenyl ether	32.0	31.B		ug/L		99	67 - 120	2	17
4-Chloro-3-methylphenol	32.0	33.7		ug/L		107	61 - 123	0	2B
4-Chloroaniline	32.0	29.1		ug/L		91	30 - 120	1	22
4-Chlorophenyl phenyl ether	32.0	30.1		ug/L		94	62 - 120	1	16
4-K ethylphenol	32.0	28.1		ug/L		88	29 - 131	0	24
4-Nitroaniline	32.0	40.6	X+	ug/L		12B	67 - 120	4	24
4-Nitrophenol	64.0	60.9		ug/L		97	47 - 120	7	48
Acenaphthene	32.0	29.2		ug/L		91	60 - 120	3	24
Acenaphthylene	32.0	28.9		ug/L		90	63 - 120	2	18
Anthracene	32.0	32.2		ug/L		101	6B - 120	2	17
(enzo[a]anthracene	32.0	31.3		ug/L		98	B0 - 121	1	17
(enzo[a]pyrene	32.0	28.B		ug/L		90	60 - 123	4	17
(enzo[b]fluoranthene	32.0	34.0		ug/L		106	66 - 126	7	17
(enzo[g,h,i]perylene	32.0	30.9		ug/L		9B	66 - 170	7	17
(enzo[k]fluoranthene	32.0	30.1		ug/L		94	67 - 124	7	22
(isM2-chloroethoxy5methane	32.0	28.6		ug/L		89	70 - 128	1	1B
(isM2-chloroethyl5ether	32.0	28.9		ug/L		90	44 - 120	3	21
(isM2-ethylhexyl5phthalate	32.0	32.B		ug/L		102	63 - 139	1	17
(utyl benzyl phthalate	32.0	34.1		ug/L		106	B0 - 129	1	16
Carbazole	32.0	40.B	X+	ug/L		12B	66 - 123	1	20
Chrysene	32.0	30.4		ug/L		97	69 - 120	2	17
Di-n-butyl phthalate	32.0	33.8		ug/L		106	69 - 131	2	17
Di-n-octyl phthalate	32.0	32.6		ug/L		102	63 - 140	3	16
DibenzM,h5anthracene	32.0	32.4		ug/L		101	67 - 137	4	17
Dibenzofuran	32.0	30.3		ug/L		97	66 - 120	2	17
Diethyl phthalate	32.0	32.9		ug/L		103	79 - 12B	3	17
Dimethyl phthalate	32.0	32.8		ug/L		102	68 - 120	2	17
Fluoranthene	32.0	32.2		ug/L		101	69 - 126	2	17
Fluorene	32.0	31.3		ug/L		98	66 - 120	3	17
Hexachlorobenzene	32.0	31.8		ug/L		99	61 - 120	0	17
Hexachlorobutadiene	32.0	19.8		ug/L		62	37 - 120	1	44
Hexachlorocyclopentadiene	32.0	21.8		ug/L		68	31 - 120	3	49
Hexachloroethane	32.0	20.6		ug/L		64	43 - 120	2	46
Indeno[1,2,3-cd]pyrene	32.0	32.7		ug/L		102	69 - 146	3	17

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

Lab Sample ID: LCSD 480-628571/3-A
Matrix: Water
Analysis Batch: 628701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 628571

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Isophorone			32.0	31.4		ug/L		98	77 - 120	0	1B
N-Nitrosodi-n-propylamine			32.0	31.6		ug/L		99	32 - 140	1	31
N-Nitrosodiphenylamine			32.0	31.7		ug/L		99	61 - 120	3	17
Naphthalene			32.0	2B.B		ug/L		8B	7B - 120	1	29
Nitrobenzene			32.0	32.3		ug/L		101	73 - 123	2	24
Pentachlorophenol			64.0	67.4		ug/L		102	29 - 136	0	3B
Phenanthrene			32.0	32.3		ug/L		101	68 - 120	1	17
Phenol			32.0	20.4		ug/L		64	1B - 120	1	34
Pyrene			32.0	30.8		ug/L		96	B0 - 127	0	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,0-9ribromophenol	*170*		*41 - 127*
2-Fluorobiphenyl	*T2*		*48 - 127*
2-Fluorophenol	*5/*		*/ : - 127*
Nitrobenzene-d:	*T5*		*40 - 127*
p-9erphenyl-d14	*T5*		*07 - 148*
Phenol-d:	*02*		*22 - 127*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-627996/1-A
Matrix: Water
Analysis Batch: 628113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.070	0.0092	ug/L		07/2B/22 17:03	07/31/22 12:27	1
4,4'-DDE	ND		0.070	0.012	ug/L		07/2B/22 17:03	07/31/22 12:27	1
4,4'-DDT	ND		0.070	0.011	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Aldrin	ND		0.070	0.0081	ug/L		07/2B/22 17:03	07/31/22 12:27	1
alpha-(HC	ND		0.070	0.00BB	ug/L		07/2B/22 17:03	07/31/22 12:27	1
cis-Chlordane	ND		0.070	0.017	ug/L		07/2B/22 17:03	07/31/22 12:27	1
beta-(HC	ND		0.070	0.027	ug/L		07/2B/22 17:03	07/31/22 12:27	1
delta-(HC	ND		0.070	0.010	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Dieldrin	ND		0.070	0.0098	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Endosulfan I	ND		0.070	0.011	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Endosulfan II	ND		0.070	0.012	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Endosulfan sulfate	ND		0.070	0.016	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Endrin	ND		0.070	0.014	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Endrin aldehyde	ND		0.070	0.016	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Endrin ketone	ND		0.070	0.012	ug/L		07/2B/22 17:03	07/31/22 12:27	1
gamma-(HC Mindane5	ND		0.070	0.0080	ug/L		07/2B/22 17:03	07/31/22 12:27	1
trans-Chlordane	ND		0.070	0.011	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Heptachlor	ND		0.070	0.0087	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Heptachlor epoxide	ND		0.070	0.00B4	ug/L		07/2B/22 17:03	07/31/22 12:27	1
K ethoxychlor	ND		0.070	0.014	ug/L		07/2B/22 17:03	07/31/22 12:27	1
Toxaphene	ND		0.70	0.12	ug/L		07/2B/22 17:03	07/31/22 12:27	1

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

Lab Sample ID: MB 480-627996/1-A
Matrix: Water
Analysis Batch: 628113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627996

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	: 0		27 - 127	7: 6256 22 1: 37/	7: 6 16 22 123 2:	1
9etrachloro-m-xylene	54		44 - 127	7: 6256 22 1: 37/	7: 6 16 22 123 2:	1

Lab Sample ID: LCS 480-627996/2-A
Matrix: Water
Analysis Batch: 628113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627996

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			0.400	0.3B4		ug/L		94	64 - 129		
4,4'-DDE			0.400	0.322		ug/L		80	70 - 120		
4,4'-DDT			0.400	0.373		ug/L		88	79 - 120		
Aldrin			0.400	0.2B7		ug/L		69	40 - 127		
alpha-(HC			0.400	0.296		ug/L		B4	72 - 127		
cis-Chlordane			0.400	0.334		ug/L		83	72 - 120		
beta-(HC			0.400	0.323		ug/L		81	71 - 120		
delta-(HC			0.400	0.322		ug/L		81	71 - 120		
Dieldrin			0.400	0.34B		ug/L		8B	66 - 128		
Endosulfan I			0.400	0.377		ug/L		89	7B - 120		
Endosulfan II			0.400	0.37B		ug/L		89	66 - 131		
Endosulfan sulfate			0.400	0.399		ug/L		100	66 - 136		
Endrin			0.400	0.378		ug/L		89	67 - 137		
Endrin aldehyde			0.400	0.326		ug/L		81	61 - 134		
Endrin ketone			0.400	0.391		ug/L		98	B1 - 133		
gamma-(HC Nlindane5			0.400	0.31B		ug/L		B9	76 - 120		
trans-Chlordane			0.400	0.344		ug/L		86	74 - 120		
Heptachlor			0.400	0.333		ug/L		83	78 - 120		
Heptachlor epoxide			0.400	0.370		ug/L		88	67 - 127		
K ethoxychlor			0.400	0.398		ug/L		100	70 - 170		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	42		27 - 127
9etrachloro-m-xylene	: :		44 - 127

Lab Sample ID: LCSD 480-627996/3-A
Matrix: Water
Analysis Batch: 628113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627996

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.400	0.4B3		ug/L		118	64 - 129	23	23
4,4'-DDE			0.400	0.422	X1	ug/L		106	70 - 120	2B	22
4,4'-DDT			0.400	0.447		ug/L		111	79 - 120	23	24
Aldrin			0.400	0.372		ug/L		88	40 - 127	24	27
alpha-(HC			0.400	0.388	X1	ug/L		9B	72 - 127	2B	24
cis-Chlordane			0.400	0.437	X1	ug/L		109	72 - 120	26	23
beta-(HC			0.400	0.423	X1	ug/L		106	71 - 120	2B	24
delta-(HC			0.400	0.41B	X1	ug/L		104	71 - 120	26	24
Dieldrin			0.400	0.44B	X1	ug/L		112	66 - 128	27	24
Endosulfan I			0.400	0.476		ug/L		114	7B - 120	27	30

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

Lab Sample ID: LCSD 480-627996/3-A
Matrix: Water
Analysis Batch: 628113

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627996

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endosulfan II			0.400	0.472		ug/L		113	66 - 131	23	40
Endosulfan sulfate			0.400	0.497		ug/L		124	66 - 136	22	24
Endrin			0.400	0.460	X1	ug/L		117	67 - 137	27	24
Endrin aldehyde			0.400	0.412		ug/L		103	61 - 134	23	28
Endrin ketone			0.400	0.4B4		ug/L		118	B1 - 133	19	26
gamma-(HC Nlindane5			0.400	0.412	X1	ug/L		103	76 - 120	26	24
trans-Chlordane			0.400	0.436		ug/L		109	74 - 120	24	24
Heptachlor			0.400	0.430		ug/L		10B	78 - 120	27	27
Heptachlor epoxide			0.400	0.471	X1	ug/L		113	67 - 127	27	23
K ethoxychlor			0.400	0.484		ug/L		121	70 - 170	19	26

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*48*		*27 - 127*
9etrachloro-m-xylene	*5:*		*44 - 127*

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

Lab Sample ID: MB 480-627716/1-A
Matrix: Water
Analysis Batch: 627808

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PC(-1016	ND		0.70	0.18	ug/L		07/26/22 08:34	07/26/22 19:38	1
PC(-1221	ND		0.70	0.18	ug/L		07/26/22 08:34	07/26/22 19:38	1
PC(-1232	ND		0.70	0.18	ug/L		07/26/22 08:34	07/26/22 19:38	1
PC(-1242	ND		0.70	0.18	ug/L		07/26/22 08:34	07/26/22 19:38	1
PC(-1248	ND		0.70	0.18	ug/L		07/26/22 08:34	07/26/22 19:38	1
PC(-1274	ND		0.70	0.27	ug/L		07/26/22 08:34	07/26/22 19:38	1
PC(-1260	ND		0.70	0.27	ug/L		07/26/22 08:34	07/26/22 19:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*4:*		*1T - 127*	*7: 6206 22 783 4*	*7: 6206 22 1T3 8*	*1*
9etrachloro-m-xylene	*58*		*/ T - 121*	*7: 6206 22 783 4*	*7: 6206 22 1T3 8*	*1*

Lab Sample ID: LCS 480-627716/2-A
Matrix: Water
Analysis Batch: 627808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627716

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PC(-1016			4.00	3.47		ug/L		86	62 - 130
PC(-1260			4.00	3.47		ug/L		86	76 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*: 7*		*1T - 127*
9etrachloro-m-xylene	*54*		*/ T - 121*

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

Lab Sample ID: LCSD 480-627716/3-A
Matrix: Water
Analysis Batch: 627808

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 627716

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PC(-1016			4.00	3.B2		ug/L		93	62 - 130	8	70
PC(-1260			4.00	3.78		ug/L		89	76 - 123	4	70

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*4:*		*1T - 127*
9etrachloro-m-xylene	*87*		*/ T - 121*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-627847/1-A
Matrix: Water
Analysis Batch: 628134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Antimony	ND		0.020	0.0068	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Arsenic	ND		0.010	0.0076	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
(arium	ND		0.0020	0.000B0	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
(eryllium	ND		0.0020	0.00030	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Cadmium	ND		0.0010	0.00070	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Calcium	ND		0.70	0.10	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Chromium	ND		0.0040	0.0010	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Cobalt	ND		0.0040	0.00063	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Copper	ND		0.010	0.0016	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Iron	ND		0.070	0.019	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Lead	ND		0.0070	0.0030	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
K agnesium	ND		0.20	0.043	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
K anganese	ND		0.0030	0.00040	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Nickel	ND		0.010	0.0013	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Potassium	ND		0.70	0.10	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Selenium	ND		0.017	0.008B	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Silver	ND		0.0030	0.001B	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Sodium	ND		1.0	0.32	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Thallium	ND		0.020	0.010	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
* anadium	ND		0.0070	0.0017	mg/L		07/2B/22 09:30	07/2B/22 14:10	1
Zinc	ND		0.010	0.0017	mg/L		07/2B/22 09:30	07/2B/22 14:10	1

Lab Sample ID: LCS 480-627847/2-A
Matrix: Water
Analysis Batch: 628134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627847

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aluminum			10.0	10.28		mg/L		103	80 - 120		
Antimony			0.200	0.212		mg/L		106	80 - 120		
Arsenic			0.200	0.202		mg/L		101	80 - 120		
(arium			0.200	0.20B		mg/L		103	80 - 120		
(eryllium			0.200	0.204		mg/L		102	80 - 120		
Cadmium			0.200	0.198		mg/L		99	80 - 120		
Calcium			10.0	10.0B		mg/L		101	80 - 120		

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

Lab Sample ID: LCS 480-627847/2-A
Matrix: Water
Analysis Batch: 628134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.200	0.19B		mg/L		98	80 - 120
Copper	0.200	0.202		mg/L		101	80 - 120
Iron	10.0	10.26		mg/L		103	80 - 120
Lead	0.200	0.196		mg/L		98	80 - 120
K agnesium	10.0	10.47		mg/L		107	80 - 120
K anganese	0.200	0.206		mg/L		103	80 - 120
Nickel	0.200	0.192		mg/L		96	80 - 120
Potassium	10.0	9.41		mg/L		94	80 - 120
Selenium	0.200	0.196		mg/L		98	80 - 120
Silver	0.0700	0.04B7		mg/L		97	80 - 120
Sodium	10.0	9.71		mg/L		97	80 - 120
Thallium	0.200	0.201		mg/L		101	80 - 120
* anadium	0.200	0.197		mg/L		98	80 - 120
Zinc	0.200	0.199		mg/L		100	80 - 120

Method: 7470A_ASP - Mercury (CVAA)

Lab Sample ID: MB 480-627866/1-A
Matrix: Water
Analysis Batch: 628014

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 627866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
K ercury	ND		0.00020	0.000043	mg/L		07/2B/22 12:07	07/2B/22 17:42	1

Lab Sample ID: LCS 480-627866/2-A
Matrix: Water
Analysis Batch: 628014

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 627866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
K ercury	0.0066B	0.00B02		mg/L		107	80 - 120

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-628905/1-A
Matrix: Water
Analysis Batch: 628983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628905

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L		06/06/22 11:72	06/0B/22 0B:22	1

Lab Sample ID: LCS 480-628905/2-A
Matrix: Water
Analysis Batch: 628983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628905

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.393		mg/L		98	90 - 110

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

Lab Sample ID: LCS 480-628905/3-A
Matrix: Water
Analysis Batch: 628983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628905

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.270	0.23B		mg/L		97	90 - 110

Lab Sample ID: 480-198320-7 MS
Matrix: Water
Analysis Batch: 628983

Client Sample ID: S-3
Prep Type: Total/NA
Prep Batch: 628905

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.088		0.00700	0.0891	4	mg/L		22	90 - 110

Lab Sample ID: MB 480-628906/1-A
Matrix: Water
Analysis Batch: 628994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 628906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0070	mg/L		06/06/22 12:00	06/0B/22 08:17	1

Lab Sample ID: LCS 480-628906/2-A
Matrix: Water
Analysis Batch: 628994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 628906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.270	0.231		mg/L		92	90 - 110

Lab Sample ID: 480-198320-8 MS
Matrix: Water
Analysis Batch: 628994

Client Sample ID: S-4
Prep Type: Total/NA
Prep Batch: 628906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.037		0.00700	0.0361	4	mg/L		32	90 - 110

GC/MS VOA

Analysis Batch: 628588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-1	TRIP BLANK	Total/NA	Water	8260C	
480-198320-2	DUP-1	Total/NA	Water	8260C	
480-198320-3	RW-4	Total/NA	Water	8260C	
480-198320-4	RW-5	Total/NA	Water	8260C	
480-198320-5	S-1	Total/NA	Water	8260C	
480-198320-6	S-2	Total/NA	Water	8260C	
480-198320-7	S-3	Total/NA	Water	8260C	
480-198320-8	S-4	Total/NA	Water	8260C	
MB 480-628588/8	Method Blank	Total/NA	Water	8260C	
LCS 480-628588/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 627913

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	3510C	
480-198320-3	RW-4	Total/NA	Water	3510C	
480-198320-4	RW-5	Total/NA	Water	3510C	
480-198320-5	S-1	Total/NA	Water	3510C	
480-198320-6	S-2	Total/NA	Water	3510C	
480-198320-7	S-3	Total/NA	Water	3510C	
480-198320-8	S-4	Total/NA	Water	3510C	
MB 480-627913/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627913/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-627913/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 628181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	8270D	627913
480-198320-3	RW-4	Total/NA	Water	8270D	627913
480-198320-4	RW-5	Total/NA	Water	8270D	627913
480-198320-5	S-1	Total/NA	Water	8270D	627913
480-198320-6	S-2	Total/NA	Water	8270D	627913
480-198320-7	S-3	Total/NA	Water	8270D	627913
480-198320-8	S-4	Total/NA	Water	8270D	627913
MB 480-627913/1-A	Method Blank	Total/NA	Water	8270D	627913
LCS 480-627913/2-A	Lab Control Sample	Total/NA	Water	8270D	627913
LCSD 480-627913/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	627913

Prep Batch: 628571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2 - RE	DUP-1	Total/NA	Water	3510C	
480-198320-3 - RE	RW-4	Total/NA	Water	3510C	
480-198320-4 - RE	RW-5	Total/NA	Water	3510C	
480-198320-5 - RE	S-1	Total/NA	Water	3510C	
480-198320-6 - RE	S-2	Total/NA	Water	3510C	
480-198320-7 - RE	S-3	Total/NA	Water	3510C	
480-198320-8 - RE	S-4	Total/NA	Water	3510C	
MB 480-628571/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-628571/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-628571/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC/MS Semi VOA

Analysis Batch: 628701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2 - RE	DUP-1	Total/NA	Water	8270D	628571
480-198320-3 - RE	RW-4	Total/NA	Water	8270D	628571
480-198320-4 - RE	RW-5	Total/NA	Water	8270D	628571
480-198320-5 - RE	S-1	Total/NA	Water	8270D	628571
480-198320-6 - RE	S-2	Total/NA	Water	8270D	628571
480-198320-7 - RE	S-3	Total/NA	Water	8270D	628571
480-198320-8 - RE	S-4	Total/NA	Water	8270D	628571
MB 480-628571/1-A	Method Blank	Total/NA	Water	8270D	628571
LCS 480-628571/2-A	Lab Control Sample	Total/NA	Water	8270D	628571
LCSD 480-628571/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	628571

GC Semi VOA

Prep Batch: 627716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	3510C	
480-198320-5	S-1	Total/NA	Water	3510C	
480-198320-6	S-2	Total/NA	Water	3510C	
480-198320-7	S-3	Total/NA	Water	3510C	
480-198320-8	S-4	Total/NA	Water	3510C	
MB 480-627716/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627716/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-627716/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 627808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	8082A	627716
480-198320-5	S-1	Total/NA	Water	8082A	627716
480-198320-6	S-2	Total/NA	Water	8082A	627716
480-198320-7	S-3	Total/NA	Water	8082A	627716
480-198320-8	S-4	Total/NA	Water	8082A	627716
MB 480-627716/1-A	Method Blank	Total/NA	Water	8082A	627716
LCS 480-627716/2-A	Lab Control Sample	Total/NA	Water	8082A	627716
LCSD 480-627716/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	627716

Prep Batch: 627996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	3510C	
480-198320-5	S-1	Total/NA	Water	3510C	
480-198320-6	S-2	Total/NA	Water	3510C	
480-198320-7	S-3	Total/NA	Water	3510C	
480-198320-8	S-4	Total/NA	Water	3510C	
MB 480-627996/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-627996/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-627996/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 628113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-5	S-1	Total/NA	Water	8081B	627996
480-198320-6	S-2	Total/NA	Water	8081B	627996
480-198320-7	S-3	Total/NA	Water	8081B	627996

GC Semi VOA (Continued)

Analysis Batch: 628113 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-627996/1-A	Method Blank	Total/NA	Water	8081B	627996
LCS 480-627996/2-A	Lab Control Sample	Total/NA	Water	8081B	627996
LCSD 480-627996/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	627996

Analysis Batch: 628252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	8081B	627996
480-198320-8	S-4	Total/NA	Water	8081B	627996

Metals

Prep Batch: 627847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	3005A	
480-198320-5	S-1	Total/NA	Water	3005A	
480-198320-6	S-2	Total/NA	Water	3005A	
480-198320-7	S-3	Total/NA	Water	3005A	
480-198320-8	S-4	Total/NA	Water	3005A	
MB 480-627847/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-627847/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 627866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	7470A	
480-198320-5	S-1	Total/NA	Water	7470A	
480-198320-6	S-2	Total/NA	Water	7470A	
480-198320-7	S-3	Total/NA	Water	7470A	
480-198320-8	S-4	Total/NA	Water	7470A	
MB 480-627866/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-627866/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 628014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	7470A_ASP	627866
480-198320-5	S-1	Total/NA	Water	7470A_ASP	627866
480-198320-6	S-2	Total/NA	Water	7470A_ASP	627866
480-198320-7	S-3	Total/NA	Water	7470A_ASP	627866
480-198320-8	S-4	Total/NA	Water	7470A_ASP	627866
MB 480-627866/1-A	Method Blank	Total/NA	Water	7470A_ASP	627866
LCS 480-627866/2-A	Lab Control Sample	Total/NA	Water	7470A_ASP	627866

Analysis Batch: 628134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	6010C	627847
480-198320-5	S-1	Total/NA	Water	6010C	627847
480-198320-6	S-2	Total/NA	Water	6010C	627847
480-198320-7	S-3	Total/NA	Water	6010C	627847
480-198320-8	S-4	Total/NA	Water	6010C	627847
MB 480-627847/1-A	Method Blank	Total/NA	Water	6010C	627847
LCS 480-627847/2-A	Lab Control Sample	Total/NA	Water	6010C	627847

General Chemistry

Prep Batch: 628905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	9012B	
480-198320-5	S-1	Total/NA	Water	9012B	
480-198320-6	S-2	Total/NA	Water	9012B	
480-198320-7	S-3	Total/NA	Water	9012B	
MB 480-628905/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-628905/2-A	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-628905/3-A	Lab Control Sample	Total/NA	Water	9012B	
480-198320-7 MS	S-3	Total/NA	Water	9012B	

Prep Batch: 628906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-8	S-4	Total/NA	Water	9012B	
MB 480-628906/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-628906/2-A	Lab Control Sample	Total/NA	Water	9012B	
480-198320-8 MS	S-4	Total/NA	Water	9012B	

Analysis Batch: 628983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-2	DUP-1	Total/NA	Water	9012B	628905
480-198320-5	S-1	Total/NA	Water	9012B	628905
480-198320-6	S-2	Total/NA	Water	9012B	628905
480-198320-7	S-3	Total/NA	Water	9012B	628905
MB 480-628905/1-A	Method Blank	Total/NA	Water	9012B	628905
LCS 480-628905/2-A	Lab Control Sample	Total/NA	Water	9012B	628905
LCS 480-628905/3-A	Lab Control Sample	Total/NA	Water	9012B	628905
480-198320-7 MS	S-3	Total/NA	Water	9012B	628905

Analysis Batch: 628994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-198320-8	S-4	Total/NA	Water	9012B	628906
MB 480-628906/1-A	Method Blank	Total/NA	Water	9012B	628906
LCS 480-628906/2-A	Lab Control Sample	Total/NA	Water	9012B	628906
480-198320-8 MS	S-4	Total/NA	Water	9012B	628906

Lab Chronicle

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

Job ID: 480-198320-1

Client Sample ID: TRIP BLANK
Date Collected: 05/24/22 00:00
Date Received: 05/25/22 11:30

Lab Sample ID: 480-198320-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628588	06/03/22 02:18	CRL	TAL BUF

Client Sample ID: DUP-1
Date Collected: 05/24/22 11:30
Date Received: 05/25/22 11:30

Lab Sample ID: 480-198320-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628588	06/03/22 02:42	CRL	TAL BUF
Total/NA	Prep	3510C			627913	05/27/22 11:04	MS	TAL BUF
Total/NA	Analysis	8270D		1	628181	05/31/22 20:19	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		628571	06/02/22 15:17	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	1	628701	06/03/22 22:13	PJQ	TAL BUF
Total/NA	Prep	3510C			627996	05/27/22 15:03	CMC	TAL BUF
Total/NA	Analysis	8081B		1	628252	06/01/22 11:56	JLS	TAL BUF
Total/NA	Prep	3510C			627716	05/26/22 08:34	MS	TAL BUF
Total/NA	Analysis	8082A		1	627808	05/26/22 22:59	W1T	TAL BUF
Total/NA	Prep	3005A			627847	05/27/22 09:30	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628134	05/27/22 14:36	LMH	TAL BUF
Total/NA	Prep	7470A			627866	05/27/22 12:05	NBS	TAL BUF
Total/NA	Analysis	7470A_ASP		1	628014	05/27/22 16:13	NVK	TAL BUF
Total/NA	Prep	9012B			628905	06/06/22 11:52	NLK	TAL BUF
Total/NA	Analysis	9012B		1	628983	06/07/22 07:49	CLT	TAL BUF

Client Sample ID: RW-4
Date Collected: 05/24/22 15:15
Date Received: 05/25/22 11:30

Lab Sample ID: 480-198320-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628588	06/03/22 03:05	CRL	TAL BUF
Total/NA	Prep	3510C			627913	05/27/22 11:04	MS	TAL BUF
Total/NA	Analysis	8270D		1	628181	05/31/22 20:48	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		628571	06/02/22 15:17	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	1	628701	06/03/22 22:41	PJQ	TAL BUF

Client Sample ID: RW-5
Date Collected: 05/24/22 16:55
Date Received: 05/25/22 11:30

Lab Sample ID: 480-198320-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	628588	06/03/22 03:28	CRL	TAL BUF
Total/NA	Prep	3510C			627913	05/27/22 11:04	MS	TAL BUF
Total/NA	Analysis	8270D		1	628181	05/31/22 21:16	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		628571	06/02/22 15:17	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	1	628701	06/03/22 23:08	PJQ	TAL BUF

Client Sample ID: S-1
Lab Sample ID: 480-198320-5

Date Collected: 05/24/22 10:30
Matrix: Water
Date Received: 05/25/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	628588	06/03/22 03:51	CRL	TAL BUF
Total/NA	Prep	3510C			627913	05/27/22 11:04	MS	TAL BUF
Total/NA	Analysis	8270D		1	628181	05/31/22 21:44	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		628571	06/02/22 15:17	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	1	628701	06/03/22 23:36	PJQ	TAL BUF
Total/NA	Prep	3510C			627996	05/27/22 15:03	CMC	TAL BUF
Total/NA	Analysis	8081B		1	628113	05/31/22 14:42	JLS	TAL BUF
Total/NA	Prep	3510C			627716	05/26/22 08:34	MS	TAL BUF
Total/NA	Analysis	8082A		1	627808	05/26/22 23:12	W1T	TAL BUF
Total/NA	Prep	3005A			627847	05/27/22 09:30	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628134	05/27/22 14:40	LMH	TAL BUF
Total/NA	Prep	7470A			627866	05/27/22 12:05	NBS	TAL BUF
Total/NA	Analysis	7470A_ASP		1	628014	05/27/22 16:14	NVK	TAL BUF
Total/NA	Prep	9012B			628905	06/06/22 11:52	NLK	TAL BUF
Total/NA	Analysis	9012B		1	628983	06/07/22 07:51	CLT	TAL BUF

Client Sample ID: S-2
Lab Sample ID: 480-198320-6

Date Collected: 05/24/22 11:00
Matrix: Water
Date Received: 05/25/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	628588	06/03/22 04:14	CRL	TAL BUF
Total/NA	Prep	3510C			627913	05/27/22 11:04	MS	TAL BUF
Total/NA	Analysis	8270D		1	628181	05/31/22 22:12	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		628571	06/02/22 15:17	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	1	628701	06/04/22 00:04	PJQ	TAL BUF
Total/NA	Prep	3510C			627996	05/27/22 15:03	CMC	TAL BUF
Total/NA	Analysis	8081B		1	628113	05/31/22 15:02	JLS	TAL BUF
Total/NA	Prep	3510C			627716	05/26/22 08:34	MS	TAL BUF
Total/NA	Analysis	8082A		1	627808	05/26/22 23:26	W1T	TAL BUF
Total/NA	Prep	3005A			627847	05/27/22 09:30	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628134	05/27/22 14:56	LMH	TAL BUF
Total/NA	Prep	7470A			627866	05/27/22 12:05	NBS	TAL BUF
Total/NA	Analysis	7470A_ASP		1	628014	05/27/22 16:16	NVK	TAL BUF
Total/NA	Prep	9012B			628905	06/06/22 11:52	NLK	TAL BUF
Total/NA	Analysis	9012B		1	628983	06/07/22 07:52	CLT	TAL BUF

Client Sample ID: S-3
Lab Sample ID: 480-198320-7

Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628588	06/03/22 04:38	CRL	TAL BUF
Total/NA	Prep	3510C			627913	05/27/22 11:04	MS	TAL BUF
Total/NA	Analysis	8270D		5	628181	05/31/22 22:40	PJQ	TAL BUF

Lab Chronicle

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Client Sample ID: S-3
Lab Sample ID: 480-198320-7
Date Collected: 05/24/22 11:30
Matrix: Water
Date Received: 05/25/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C	RE		628571	06/02/22 15:17	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	5	628701	06/04/22 00:33	PJQ	TAL BUF
Total/NA	Prep	3510C			627996	05/27/22 15:03	CMC	TAL BUF
Total/NA	Analysis	8081B		1	628113	05/31/22 15:21	JLS	TAL BUF
Total/NA	Prep	3510C			627716	05/26/22 08:49	MS	TAL BUF
Total/NA	Analysis	8082A		1	627808	05/26/22 23:39	W1T	TAL BUF
Total/NA	Prep	3005A			627847	05/27/22 09:30	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628134	05/27/22 15:00	LMH	TAL BUF
Total/NA	Prep	7470A			627866	05/27/22 12:05	NBS	TAL BUF
Total/NA	Analysis	7470A_ASP		1	628014	05/27/22 16:17	NVK	TAL BUF
Total/NA	Prep	9012B			628905	06/06/22 11:52	NLK	TAL BUF
Total/NA	Analysis	9012B		1	628983	06/07/22 07:56	CLT	TAL BUF

Client Sample ID: S-4
Lab Sample ID: 480-198320-8
Date Collected: 05/24/22 09:30
Matrix: Water
Date Received: 05/25/22 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	628588	06/03/22 05:01	CRL	TAL BUF
Total/NA	Prep	3510C			627913	05/27/22 11:04	MS	TAL BUF
Total/NA	Analysis	8270D		5	628181	05/31/22 23:07	PJQ	TAL BUF
Total/NA	Prep	3510C	RE		628571	06/02/22 15:17	CMC	TAL BUF
Total/NA	Analysis	8270D	RE	5	628701	06/04/22 01:01	PJQ	TAL BUF
Total/NA	Prep	3510C			627996	05/27/22 15:03	CMC	TAL BUF
Total/NA	Analysis	8081B		1	628252	06/01/22 12:16	JLS	TAL BUF
Total/NA	Prep	3510C			627716	05/26/22 08:49	MS	TAL BUF
Total/NA	Analysis	8082A		1	627808	05/26/22 23:53	W1T	TAL BUF
Total/NA	Prep	3005A			627847	05/27/22 09:30	NBS	TAL BUF
Total/NA	Analysis	6010C		1	628134	05/27/22 15:04	LMH	TAL BUF
Total/NA	Prep	7470A			627866	05/27/22 12:05	NBS	TAL BUF
Total/NA	Analysis	7470A_ASP		1	628014	05/27/22 16:18	NVK	TAL BUF
Total/NA	Prep	9012B			628906	06/06/22 12:00	NLK	TAL BUF
Total/NA	Analysis	9012B		1	628994	06/07/22 08:50	CLT	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198230-1
Project/Site: Cherry Farms Annual GW Sample

Laboratory: Eurofins 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	10036	02-21-32

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
8360C		Water	1,3-Dichloroethene, Total

Method Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
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 Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
Project/Site: Cherry Farms Annual GW Sample

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-198320-1	TRIP BLANK	Water	05/24/22 00:00	05/25/22 11:30
480-198320-2	DUP-1	Water	05/24/22 11:30	05/25/22 11:30
480-198320-3	RW-4	Water	05/24/22 15:15	05/25/22 11:30
480-198320-4	RW-5	Water	05/24/22 16:55	05/25/22 11:30
480-198320-5	S-1	Water	05/24/22 10:30	05/25/22 11:30
480-198320-6	S-2	Water	05/24/22 11:00	05/25/22 11:30
480-198320-7	S-3	Water	05/24/22 11:30	05/25/22 11:30
480-198320-8	S-4	Water	05/24/22 09:30	05/25/22 11:30

Quantitation Limit Exceptions Summary

Client: Groundwater & Environmental Services Inc
Job ID: 480-198320-1
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

Cherry Farms Participating Parties

PAGE 1 OF 1

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:** TPalmer@gesonline.com — fax 866-902-2187	**Project Name:** Cherry Farm/River Road Site **Project Address:** 4100 River Rd, Tonawanda, NY **Project PSID #:** 934394	Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable **Invoice Instructions (Project #/ Phase / Task / Altorg)** 0901860/05/220/1109

Sampler(s) Name: Barbara Delaney

Sampler(s) Name: ~~Mike Reich~~

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	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
	[redacted]	NA				WG		3				2						X	X						
	[redacted]	NA				WG		3				2						X	X						
	[redacted]	NA				WG		3				2						X	X						
	[redacted]	NA				WG		3				2						X	X						
	[redacted]	NA				WG		3				2						X	X						
	[redacted] TRIP BLANK	NA				WG		[redacted]				[redacted]						[redacted]							
	[redacted] DUP-1	NA	5/24/2022	1130	BD	WG	11	3	1	1		6					X	X	X	X	X	X			
	RW-4	NA	5/24/2022	1515	BD	WG	5	3				2						X	X						
	RW-5	NA	5/24/2022	1655	BD	WG	5	3				2						X	X						
	S-1	NA	5/24/2022	1030	BD	WG	11	3	1	1		6					X	X	X	X	X	X			
	S-2	NA	5/24/2022	1100	BD	WG	11	3	1	1		6					X	X	X	X	X	X			
	S-3	NA	5/24/2022	1130	BD	WG	11	3	1	1		6					X	X	X	X	X	X			
	S-4	NA	5/24/2022	0930	BD	WG	11	3	1	1		6					X	X	X	X	X	X			

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

- [x] Standard 14 Days ____/____
- [ ] 1 day RUSH ____/____
- [ ] Other _____ ____/____

Laboratory Information

Lab: Test America
Address: 10 Hazelwood Drive, Amherst NY 14228
Phone: Direct: 413.642.2616 Main:413.572.4000
Lab PM: Steve Hartmann
Lab PM Email: steve.hartmann@et.eurofinsus.com

Data Deliverable Information

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

480-198320 Chain of Custody

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

EQEDD Name: Cherry Farm/River Road Site_LabReport#.12873.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.		
Relinquished By Sampler: 1 Barbara Delaney	Date / Time: 1 5/24/2022 ~~0915~~ 1900	Received By: 1 GES Fridge
Relinquished By: 2	Date / Time: 2 5-25-22 1130	Received By: 2
Relinquished By: 3	Date / Time: 3	Received By: 3

Custody Seal Number: ☐ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice Cooler Temp _____ #1 2.8

Page 76 of 77

6/9/2022

Login Sample Receipt Checklist

Client: Groundwater & Environmental Services Inc

Job Number: 480-198230-1

Login Number: 198320
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins 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	CFPP
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix B-1 Historical Water Level Data

Appendix B-1

Historical Water Level Data

		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
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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
[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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	03/10/22	6/24/2022[1]	09/02/22	11/07/22
	Original																	
WELL	ELEV.	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)
MW-1	577.68	11.07	NA	NA	NA	NA	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	11.09	11.25	11.55	11.82
MW-2	578.76	13.04	NA	NA	NA	NA	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	13.09	12.98	13.12	13.50
MW-3	571.16	5.65	NA	NA	NA	NA	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	5.79	5.53	5.83	5.98
MW-4	583.83	16.25	NA	NA	NA	NA	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	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	17.92	17.89	18.12	18.51
MW-5	584.14	18.25	NA	NA	NA	NA	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	18.58	18.34	18.51	19.51
MW-6	585.70	20.49	NA	NA	NA	NA	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	20.56	20.32	20.51	20.91
MW-7	586.40	20.46	NA	NA	NA	NA	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	20.35	20.47	20.79	21.18
OW-1	573.63	8.03	NA	NA	NA	NA	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	7.66	7.91	8.23	8.49
OW-2	584.14	14.31	NA	NA	NA	NA	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	13.92	13.64	14.03	14.37
OW-3	576.25	7.90	NA	NA	NA	NA	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	7.78	8.63	9.70	9.94
OW-4	572.21	6.02	NA	NA	NA	NA	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	5.74	5.96	6.47	6.88
OW-5	584.16	NA	NA	NA	NA	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	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	15.13	14.92	15.78	12.18
OW-6	572.12	NA	NA	NA	NA	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	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	3.72	4.62	5.72	6.01
OW-7	574.84	7.27	NA	NA	NA	NA	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	6.03	7.35	8.59	9.52
OW-8	571.31	4.99	NA	NA	NA	NA	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	4.58	5.24	5.96	6.37
OW-9	588.32	20.02	NA	NA	NA	NA	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	18.97	20.11	21.15	21.38
S-1	571.84	2.94	NA	NA	NA	NA	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	2.51	3.38	4.23	4.13
S-2	571.81	4.39	NA	NA	NA	NA	NA	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	3.21	4.12	5.18	5.49
S-3	571.84	4.47	NA	NA	NA	NA	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	3.19	4.20	5.30	5.63
S-4	571.51	3.87	NA	NA	NA	NA	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	3.81	5.43	6.76	8.30
RW-1	581.82	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
RW-3	582.30	D	D	D	D	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	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	16.19	15.95	16.11	16.50
RW-5	582.05	14.00	NA	NA	NA	NA	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	16.32	16.16	16.37	17.13
RW-6	570.76	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
RW-8	583.83	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
RW-10	583.28	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
SG	568.89	NA	NA	NA	NA	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	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	3.59	2.03	1.15	NM

* 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

[1] = 2nd Quarter 2022 water levels were regauged on 6/24/2022 following groundwater sampling on 5/23/2022.
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 1997-2022)

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:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	0.00055 J, P	ND	0.0012 J	ND	0.01 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-85-7	beta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015 J, P	ND	ND	ND	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	0.0009 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	0.00072 J, P	ND	0.003 J, P	0.0034 B, J, P	ND	ND	ND	ND	ND	ND	0.0038 J, P	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	0.0022 B, J, P	0.0013 J, P		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0069 B, J, P	ND	ND	0.005 B, J	ND	ND	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	0.0037 J, P	ND	ND	ND	ND	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	0.032 J	0.00053 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.01 J, P	0.0024 J, P	0.008 B, J, P		0.003 J	0.0015 J, P	ND	ND	ND	ND	0.015 J, P	ND	0.0045 B, J, P	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	0.0038 J	0.0019 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0042 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Pesticides			ND	0.00055	ND	0.01192	0.0046	0.0261	0.0405	0.00683	0.0066	ND	0.008	0.0081	ND	0.0275	0.015	0.0045	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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:
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Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
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MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
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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-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	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	480-198239-1
			Source:	TA	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			480-198239
			Matrix:	Water	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	05/23/22
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	ND
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	ND
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	ND
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	ND
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	ND
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	8.71	NA	ND	NA	NA	ND
	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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	5.4 B
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	ND
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	ND
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	ND
	Total SVOCs			0.49	ND	0.39	1.7	ND	7.48	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	5.4

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MSD = Matrix Spike Duplicate
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NS = No Standard
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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-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	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	480-198239-1
			Source:	TA	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			480-198239
			Matrix:	Water	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	05/23/22
CAS NO.	**COMPOUND**		**UNITS:**																			
	PESTICIDES																					
309-00-2	Aldrin	ND	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
319-84-6	alpha-BHC	0.01	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
319-85-7	beta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
50-29-3	4,4'-DDT	0.2	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
60-57-1	Dieldrin	0.004	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
959-98-8	Endosulfan I	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1031-07-8	Endosulfan sulfate	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-20-8	Endrin	ND	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
7421-93-4	Endrin aldehyde	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
53494-70-5	Endrin ketone	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1024-57-3	Heptachlor epoxide	0.03	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-43-5	Methoxychlor	35	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	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	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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:**																			
	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:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
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DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	0.0024 J	ND	0.0089 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.00059 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	0.0007 J, P	ND	ND	0.0029 J, P	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	0.003 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	25 J, P	ND	ND	0.00092 J, P	0.002 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	0.0042 J, P	0.0048	ND	ND	ND	ND	ND	0.0069 B, J	ND	ND	0.0046 B, J, P	ND	ND	ND	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	0.0051 J, P	0.037 J, P	0.0052 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	0.0025 J, P	0.0016	0.013 B, J, P	ND	ND	ND	ND	ND	ND	ND	0.0073 J	ND	0.0049 B, J, P	ND	ND	ND
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	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	0.0028 B, J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Pesticides			ND	ND	25	0.01257	0.0064	0.03222	0.039	0.0052	0.00629	ND	0.0069	0.0018	ND	0.0119	ND	0.0049	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	927	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:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
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MS = Matrix Spike
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NA = Not analyzed
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NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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:	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	480-198239-2
			Source:	TA	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			480-198239
			Matrix:	Water	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	05/23/22
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	ND
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	ND
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	ND
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	ND
	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	0.19	NA	ND	NA	NA	ND
	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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
50-32-8	Benzo[a]pyrene	NS	(µg/L)	ND	ND	ND	ND	0.63 J	0.93 J	1.9 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	7.8 B
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
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	ND
	Total SVOCs			ND	ND	ND	0.38	5.25	9.08	48.58	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	7.8

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Monitoring Well Historically Detected Compounds

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			Lab Sample ID:	A8E15003	RSI0312-07	RTF0798-02	480-2185-2	480-14453-2	480-23574-3	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	480-198239-2
			Source:	TA	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			480-198239
			Matrix:	Water	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	05/23/22
CAS NO.	COMPOUND		UNITS:																			
	PESTICIDES																					
309-00-2	Aldrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	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	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(µg/L) = micrograms per liter
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
			Lab Sample ID:	162134	G5115	H0917	H7395	J8484	M0191	N5015	Q3846	R7156	S7325	T6809	V4310	Z7443	A7551	B4288	E1141	050823-002A	0603100-002A	A07E98504
			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 (G)	**(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:
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
			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:**																			
	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	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	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	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	ND	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	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	ND	ND	ND
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	ND	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	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	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	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	ND	ND	ND
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	ND	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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7440-70-2	Calcium	NS	**(µg/L)**	257000	235000	216000	188000	172000	149000	151000	141000	139000	127000	116000	101000	105000	111000	111000	112000	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7439-89-6	Iron	300	**(µg/L)**	**30300**	**32900**	**25400**	**21300**	**20800**	**15900**	**16100**	**16100**	**14600**	**15000**	**16700**	**13600**	**15700**	**15300**	**13300**	**13400**	NA	NA	NA
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	NA	NA	NA
7439-95-4	Magnesium	35000 (G)	**(µg/L)**	**70600**	**57600**	**54400**	**45500**	**43500**	34700	**38400**	**35600**	34500	32900	31200	27800	30400	30200	30100	29900	NA	NA	NA
7439-96-5	Manganese	300	**(µg/L)**	**831**	**1000**	**934**	**835**	**734**	**654**	**631**	**562**	**581**	**512**	**520**	**444**	**485**	**495**	**479**	**454**	NA	NA	NA
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	NA	NA	NA
7440-09-7	Potassium	NS	**(µg/L)**	13600	17400	17500	15800	13100	9730	10200	9780	9790 E	10500	7790	7350	7980	9720	10300	11600	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
	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:
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			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	480-198239-3
			Source:	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			480-141984-3		480-167684			480-198239
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/10/08	09/10/09	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	05/23/22
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	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
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	ND
75-09-2	Methylene chloride	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.1 J	NA	ND	NA	NA	ND
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	ND
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	1.1	NA	ND	NA	NA	ND
	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	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	ND
85-68-7	Butyl benzyl phthalate	50 (G)	(µg/L)	ND	ND	ND	2.4 J	ND	ND	0.61 J B	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	5.1 J
91-58-7	2-Chloronaphthalene	10 (G)	(µg/L)	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	1.1 B	ND	ND	ND	ND	ND	0.23 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
132-64-9	Dibenzofuran	NS	(µg/L)	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	46 B
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	NA	NA	ND	NA	ND	NA	NA	ND
91-57-6	2-Methylnaphthalene	NS	(µg/L)	0.2 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
91-20-3	Naphthalene	10 (G)	(µg/L)	0.3 B, J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
85-01-8	Phenanthrene	50 (G)	(µg/L)	0.2 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	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	51.1

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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:	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	480-198239-3
			Source:	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			480-141984-3		480-167684			480-198239
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/10/08	09/10/09	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	05/23/22
CAS NO.	COMPOUND		UNITS:																			
	PESTICIDES																					
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-20-8	Endrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	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	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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Bold 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-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	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	LSL-BL	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]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
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:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	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	ND	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	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	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	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	ND	ND	ND
959-98-8	Endosulfan I	NS	**(µg/L)**	ND	ND	ND	ND	ND	0.0043 J, P	0.00014 B, J, P	ND	ND	ND	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	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	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	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	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	ND	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	**(µg/L)**	ND	ND	ND	ND	ND	0.004 J, P	ND	0.0039 J, P	ND	ND	ND	ND	ND	ND	0.0076 J, P	ND	ND	ND	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	ND	ND	ND
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	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	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	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	ND	ND	ND
	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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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**	NA	NA	NA
7440-70-2	Calcium	NS	**(µg/L)**	140000	59000	63600	141000	132000	137000	70000	104000	83700	101000	114000	104000	119000	112000	89000	119000	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7439-89-6	Iron	300	**(µg/L)**	**19300**	**3710**	**1860**	**19400**	**20100**	**19400**	**2000**	**1250**	**1960**	**7080**	**17600**	**14500**	**12400**	**5820**	**6900**	**17900**	NA	NA	NA
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	NA	NA	NA
7439-95-4	Magnesium	35000 (G)	**(µg/L)**	**42700**	16800	17800	**38900**	**36700**	**37500**	19800	29900	24200	28300	31400	28000	34500	31900	27000	32900	NA	NA	NA
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**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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**	NA	NA	NA
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**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
57-12-5	Cyanide	200	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.3	ND	ND	ND	ND	NA	NA	NA
	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:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
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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-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	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	480-198239-4
			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	480-198239
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/10/08	09/10/09	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	09/23/21	5/23/2022
CAS NO.	**COMPOUND**		**UNITS:**																			
	VOLATILES																					
67-64-1	Acetone	50 (G)	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	4.4 J	3.1 J	ND	ND	ND	4.9 J	4.1 J	ND	ND	ND	ND	ND
71-43-2	Benzene	1	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5.5**	ND	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	NA	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	NA	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	NA	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	ND
	SEMIVOLATILES																					
117-81-7	bis(2-ethylhexyl) phthalate	5	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
56-55-3	Benzo[a]anthracene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	NA	ND	**0.90 J B**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
50-32-8	Benzo[a]pyrene	NS	**(µg/L)**	ND	ND	ND	ND	NA	ND	0.55 J	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	NA	ND	**0.89 J B**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
191-24-2	Benzo[g,h,i]perylene	NS	**(µg/L)**	ND	ND	ND	ND	NA	ND	0.70 J	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
207-08-9	Benzo[k]fluoranthene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	NA	ND	**0.93 J**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
85-68-7	Butyl benzyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	NA	ND	1.2 J B	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	NA	ND	**0.40 J**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	**(µg/L)**	1 J B	ND	ND	ND	NA	ND	0.32 J B	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	NA	ND	0.84 J B	ND	ND	ND	ND	ND	ND F2	ND	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	NA	ND	1.1 J B	ND	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	0.31 J	28 B
91-57-6	2-Methylnaphthalene	NS	**(µg/L)**	0.6 B J	ND	ND	ND	NA	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	NA	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	NA	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	NA	ND	**0.61 J**	ND	ND	ND	ND	ND	ND F2	ND	ND	ND	ND	ND	ND
91-20-3	Naphthalene	10 (G)	**(µg/L)**	4 J B	ND	ND	ND	NA	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	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 JB	ND	ND	ND	ND
129-00-0	Pyrene	50 (G)	**(µg/L)**	ND	ND	ND	ND	NA	ND	0.48 J	ND	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	28

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-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	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	480-198239-4
			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	480-198239
			Matrix:	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
			Sampled:	11/10/08	09/10/09	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	09/23/21	5/23/2022
CAS NO.	**COMPOUND**		**UNITS:**																			
	PESTICIDES																					
309-00-2	Aldrin	NS	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
319-84-6	alpha-BHC	0.01	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
5103-71-9	alpha-Chlordane	0.05	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
72-55-9	4,4'-DDE	0.3	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
319-86-8	delta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
60-57-1	Dieldrin	0.004	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
959-98-8	Endosulfan I	NS	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
33213-65-9	Endosulfan II	NS	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
1031-07-8	Endosulfan sulfate	NS	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
72-20-8	Endrin	NS	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
7421-93-4	Endrin aldehyde	5	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
53494-70-5	Endrin ketone	5	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
76-44-8	Heptachlor	0.04	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
1024-57-3	Heptachlor epoxide	0.03	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
72-43-5	Methoxychlor	35	**(µg/L)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	PCBs																					
	Aroclor 1248	All PCBs <0.09	**(µg/L)**	ND	**0.51**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	Total PCBs			ND	0.51	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:**	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	2	**(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:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	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	ND	ND
5103-71-9	alpha-Chlordane	0.05	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011 J, P	ND	ND	ND	ND	ND	ND	ND
319-85-7	beta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0079 J, P	ND	ND	ND	ND	ND	ND
72-54-8	4,4'-DDD	0.3	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	0.0033 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	**(µg/L)**	ND	ND	ND	ND	0.0011 J, P	0.0014 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND
319-86-8	delta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	0.0015 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	**(µg/L)**	ND	ND	**0.0095 J, P**	0.003 J, P	ND	0.0036 J, P	**0.0071 J, P**	0.0021 J, P	0.0011 J, P	ND	**0.012 B, J**	ND	ND	ND	ND	ND	ND	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	ND	ND
33213-65-9	Endosulfan II	NS	**(µg/L)**	ND	ND	0.0026 J	0.0011 B, J, P	ND	ND	ND	ND	0.0021 J, P	ND	0.00076 J, P	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	**(µg/L)**	ND	ND	ND	0.0067 J, P	0.0037 B, J, P	0.004 J, P	0.0044 J, P	ND	0.0021 J, P	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	**(µg/L)**	ND	ND	0.0037 J, P	0.0041 J, P	ND	0.0085 J	0.016 J, P	0.036 J, P	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND
76-44-8	Heptachlor	0.04	**(µg/L)**	ND	ND	ND	0.0047 J, P	0.0031 J, P	0.00072 J, P	0.0024 J, P	0.00069 J, P	ND	ND	0.0054 J, P	ND	ND	ND	ND	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	**(µg/L)**	ND	ND	0.003 J, P	ND	0.0015 J, P	0.0017 J, P	0.0058 J	0.0023 B, J, P	0.0017 J, P	ND	0.002 J, P	0.0074 J	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	**(µg/L)**	ND	ND	ND	ND	ND	0.0061 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
7440-70-2	Calcium	NS	**(µg/L)**	196000	153000	51600	38500	36100	44900	59300	133000	53000	68700	62400	50300	94500	143000	170000	156000	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
7439-89-6	Iron	300	**(µg/L)**	**32800**	**24200**	**12800**	**10200**	**12200**	**13400**	**16800**	**24100**	**10200**	**12200**	**14900**	**14100**	**19100**	**25700**	**29600**	**27400**	NA	NA
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	NA	NA
7439-95-4	Magnesium	35000 (G)	**(µg/L)**	**51800**	**41700**	14600	10100	9220	11200	15700	34700	14300	19700	19500	13800	25300	**35100**	**41000**	**37200**	NA	NA
7439-96-5	Manganese	300	**(µg/L)**	226	259	189	160	197	213	249	203	162	178	231	212	188	198	202	213	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
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**	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
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	NA	NA
	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

Notes:
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			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	480-198239-5
			Source:	BM	TA	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	480-198239
			Matrix:	Water	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	09/23/21	05/23/22
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	ND
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	ND
78-93-3	2-Butanone	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-00-3	Chloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
67-66-3	Chloroform	7	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
74-87-3	Chloromethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	**(µg/L)**	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	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	ND
100-42-5	Styrene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-88-3	Toluene	5	**(µg/L)**	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	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	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	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	ND
105-67-9	2,4-Dimethylphenol	2	**(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	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	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	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	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	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	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	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	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	47 B
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	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	ND
85-01-8	Phenanthrene	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	ND
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	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	47

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
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DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	480-198239-5
			Source:	BM	TA	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	480-198239
			Matrix:	Water	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	09/23/21	05/23/22
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	NA	NA	NA
319-84-6	alpha-BHC	0.01	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	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	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
72-55-9	4,4'-DDE	0.2	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
319-86-8	delta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
60-57-1	Dieldrin	0.004	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
72-20-8	Endrin	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
76-44-8	Heptachlor	0.04	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
72-43-5	Methoxychlor	35	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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Bold values exceed the NYSDEC Class GA groundwater standard/guidance value.
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MS = Matrix Spike
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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-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
			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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MSD = Matrix Spike Duplicate
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NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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
			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	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	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	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	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	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	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	ND	ND	ND
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	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	ND	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	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	ND	ND	ND
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	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	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	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)**	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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7440-70-2	Calcium	NS	**(µg/L)**	123000	168000	165000	166000	161000	159000	167000	252000	247000	254000	235000	235000	171000	148000	158000	154000	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7439-89-6	Iron	300	**(µg/L)**	**14600**	**20700**	**22400**	**21600**	**18100**	**17500**	**19600**	**33100**	**46900**	**66600**	**54000**	**46700**	**36100**	**27000**	**26600**	**24500**	NA	NA	NA
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	NA	NA	NA
7439-95-4	Magnesium	35000 (G)	**(µg/L)**	24900	25600	25700	24400	19500	16400	17800	**36000**	**49200**	**61500**	**49500**	**53600**	**44400**	**35600**	**36900**	34500	NA	NA	NA
7439-96-5	Manganese	300	**(µg/L)**	**1010**	**1420**	**1590**	**1610**	**1150**	**1220**	**1470**	**2100**	**3310**	**4620**	**4190**	**2900**	**2000**	**1530**	**1420**	**1300**	NA	NA	NA
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	NA	NA	NA
7440-09-7	Potassium	NS	**(µg/L)**	12300	22900	23100	25600	36900	54100	57900	56600	32800 E	31300	51800	22500	17200	14600	13200	12300	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
	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:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	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	480-198239-6
			Source:	TA	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	480-198239
			Matrix:	Water	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	09/23/21	05/23/22
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	ND
75-15-0	Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-09-2	Methylene chloride	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.0	3.6	ND	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	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	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	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	ND
207-08-9	Benzo[k]fluoranthene	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	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	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	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	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	7.4 F2, B
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	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	0.99 JB	ND	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	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	7.4

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		**NYSDEC Class GA Groundwater Standards/ Guidance Values**	**Sample ID:**	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	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	480-198239-6
			Source:	TA	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	480-198239
			Matrix:	Water	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	09/23/21	05/23/22
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	NA	NA	NA
319-84-6	alpha-BHC	0.01	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
60-57-1	Dieldrin	0.004	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
72-20-8	Endrin	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
76-44-8	Heptachlor	0.04	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA
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	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	NA
	Total PCBs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
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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	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	ND	4 J	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:
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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	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	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	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	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	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	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	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	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	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	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	ND	ND	ND
53494-70-5	Endrin ketone	5	**(µg/L)**	ND	ND	ND	ND	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	ND	ND	ND
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	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	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	ND	ND	ND
	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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7440-39-3	Barium	1000	**(µg/L)**	246	637	543	612	616	575	614	626	538	374	388	375	369	360	348	362	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7440-70-2	Calcium	NS	**(µg/L)**	60800	214000	104000	106000	103000	110000	111000	120000	125000	107000	112000	112000	109000	109000	108000	114000	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7439-89-6	Iron	300	**(µg/L)**	**17900**	**75100**	**13100**	**11200**	**11200**	**12300**	**14300**	**27200**	**17700**	**25100**	**30700**	**26500**	**26300**	**22800**	**23900**	**23200**	NA	NA	NA
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	NA	NA	NA
7439-95-4	Magnesium	35000 (G)	**(µg/L)**	7880	**41900**	21100	20800	21400	22000	22600	**190000**	21000	14800	13700	14200	13100	13600	12200	13200	NA	NA	NA
7439-96-5	Manganese	300	**(µg/L)**	226	**1790**	177	126	121	149	170	**382**	246	292	**344**	298	**302**	282	277	287	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
7782-49-2	Selenium	10	**(µg/L)**	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 B	ND	NA	NA	NA
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	NA	NA	NA
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**	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
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	NA	NA	NA
	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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			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	480-198239-7
			Source:	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			480-141984		480-167684			480-198239
			Matrix:	Water	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	05/23/22
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	NA	NA	ND	NA	ND	NA	NA	ND
75-15-0	Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
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	ND
127-18-4	Tetrachloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
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	ND
	Total VOCs			ND	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
	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	NA	NA	ND	NA	ND	NA	NA	ND
50-32-8	Benzo[a]pyrene	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	0.61 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	ND
117-81-7	bis(2-ethylhexyl)phthalate	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	ND
218-01-9	Chrysene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	**0.45 J**	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	23 J, B
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	NA	NA	ND	NA	ND	NA	NA	ND
84-66-2	Diethyl phthalate	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	0.44 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
105-67-9	2,4-Dimethylphenol	50	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
206-44-0	Fluoranthene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	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	NA	NA	ND	NA	ND	NA	NA	ND
95-48-7	2-Methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
106-44-5	4-Methylphenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
91-20-3	Naphthalene	10 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	ND
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	ND
129-00-0	Pyrene	50 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	0.56 J	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	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	23

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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.
DO3 = Dilution required due to foaming
E = Concentration exceeds method limit.
F1 = MS or MSD Recovery is outside acceptance limits
F2 = MS/MSD relative percent difference 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.
MS = Matrix Spike
MSD = Matrix Spike Duplicate
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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:	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	480-198239-7
			Source:	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			480-141984		480-167684			480-198239
			Matrix:	Water	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	05/23/22
CAS NO.	**COMPOUND**		**UNITS:**																			
	PESTICIDES																					
309-00-2	Aldrin	ND	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
319-86-8	delta-BHC	0.04	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
5103-74-2	gamma-Chlordane	0.05	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
	Total Pesticides			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
	PCBs																					
	PCB-1242	All PCBs <0.09	(µg/L)	ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	NA	NA	ND	NA	ND	NA	NA	NA
	Total PCBs			ND	ND	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	NA	NA	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA
	Total Inorganics			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(µg/L) = micrograms per liter
Pests, PCBs, and inorganics not collected after April 2020 for intermediate/ deep wells.
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Bold 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:	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	480-198320-3
			Source:	OB	LSL-BL	TA	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	480-198320
			Matrix:	Water	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	09/24/21	05/24/22
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	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	**3.4**
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	NA
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	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	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	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	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	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	3.4
	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	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	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	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	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	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	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	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	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	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	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	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	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	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	ND
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	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	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	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	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	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	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	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	ND
100-02-7	4-Nitrophenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	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	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	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	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	NA	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	NA

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
H = Sample was prepped or analyzed beyond the specified holding time.
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.
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-2

Monitoring Well Historically Detected Compounds

Cherry Farm Groundwater Analytical Data Historically Detected Compounds		NYSDEC Class GA Groundwater Standards/ Guidance Values	Sample ID:	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	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	480-198320-4
			Source:	OB	LSL-BL	TA	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	480-198320
			Matrix:	Water	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	09/24/21	05/24/22
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	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	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	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	NA
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	ND
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	NA	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	NA

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
H = Sample was prepped or analyzed beyond the specified holding time.
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.
NA = Not analyzed
ND = Concentration was not detected at or above the reporting limit.
NS = No Standard
* = LCS or LCSD is outside acceptance limits.

Appendix B-3 Historically Detected Compounds (Sumps 1997-2022)

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	ND	2 J	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	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	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	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	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	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	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	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	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	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	ND
218-01-9	Chrysene	0.002 (G)	(µg/L)	**19**	**90 E**	**2 J**	**430 D**	**380 D**	**92 J D**	**160,000 J**	**160 J D**	**34 J D**	**43 J D**	**19 J D**	**20 J D**	ND	**83 J D**	**46 J D**	**12 J**	**10**	**54 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	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	ND
53-70-3	Dibenz[a,h]anthracene	NS	(µg/L)	ND	10 J	ND	40 J D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	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	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	**2 J**	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:

[1] - Standard is for Chlordane (CAS 57-74-9).
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.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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-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:																			
	PESTICIDES																					
309-00-2	Aldrin	NS	(µg/L)	ND	ND	0.008 J P	ND	ND	0.038 J P		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	ND	ND	**0.011 J P**	ND	ND	ND		**0.12 J P**	**0.018 J P**	ND	**0.11 J P**	ND	**0.26**	**0.072 J P**	ND	ND	**0.11 J P**	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
319-86-8	delta-BHC	0.04	(µg/L)	ND	0.021 J P	ND	ND	0.0048 J P	0.0046 J P		0.0026 J P	ND	0.0045 J P	ND	ND	ND	ND	ND	ND	ND	ND	ND
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	**0.28 P**	**1.3 P**	ND	ND	**0.092 J P**	**0.2 J P**	**0.46 P**	0.19 J	0.030 J
5103-71-9	alpha-Chlordane	0.05[1]	(µg/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]	(µg/L)	ND	ND	0.02 J P	ND	ND	0.0082 J P		ND	ND	ND	**1.2 P**	ND	**0.53 P**	ND	ND	ND	**2 P**		0.012 J
72-54-8	4,4'-DDD	0.3	(µg/L)	0.026 J P	0.26 J P	0.058 J P	0.033 J P	0.051 J P	ND		0.029 J P	ND	0.068 J P	ND	ND	ND	**2.3 P**	0.053 J P	ND	ND	ND	ND
72-55-9	4,4'-DDE	0.2	(µg/L)	ND	**1.4 P**	0.016 J P	**0.51 P**	**1.3 P**	**0.24 J P**		**0.79**	**0.58 P**	**2.1 B P**	**2.3**	**9.3 E**	**0.69 P**	**1 P**	**0.61 P**	**1.1**	**4.3**	**1.4 P**	ND
50-29-3	4,4'-DDT	0.2	(µg/L)	ND	ND	ND	ND	ND	ND		0.028 J P	0.17 J P	**0.83 P**	ND	ND	ND	ND	ND	ND	ND	ND	ND
60-57-1	Dieldrin	0.004	(µg/L)	ND	ND	ND	ND	ND	**0.25 J P**		ND	ND	ND	**1.9 B P**	**6.2 P**	**0.88**	**1 P**	**0.42 J P**	**0.85 B P**	ND	ND	**0.023 J**
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	0.14 J P	ND		0.13 J P	0.1 J P	0.62 P	0.33 P	1.1 P	0.095 J P	0.84 P	ND	0.24 J P	0.58 P	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	1.4	17 E	0.081 J P	3.1	2.1	ND		ND	ND	ND	ND	ND	0.082 J P	ND	0.046 J P	0.05 J P	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	(µg/L)	ND	ND	ND	0.086 J P B	ND	0.44 J		ND	0.13 J P	0.17 J P	ND	ND	ND	ND	ND	ND	0.32 J P	0.48 J P	ND
72-20-8	Endrin	NS	(µg/L)	ND	ND	0.023 J P	ND	ND	ND		0.13 J P	1 P	0.31 J P B	0.68 P	2.5 P	ND	ND	2.6	0.67 P	1.7 P	0.9 J	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	1.8 P	ND	0.045 J P	0.3 J P	0.047 J P		0.025 J P	0.067 J P	0.82 P	0.71 B P	2.7 P	0.26 J P	0.38 J P B	ND	0.86 P	ND	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND		ND	ND	ND	0.069 J P	**8.7 P**	ND	0.46 J P	0.87 P	ND	0.23 J P	0.16 J P	ND
76-44-8	Heptachlor	0.04	(µg/L)	ND	**0.39 P**	ND	ND	ND	ND		ND	ND	ND	ND	**5.3 E P**	ND	**0.26 P**	**0.41 P**	**0.78 P**	ND	ND	ND
1024-57-3	Heptachlor epoxide	0.03	(µg/L)	ND	ND	0.0057 J P	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
72-43-5	Methoxychlor	35	(µg/L)	0.079 J P	ND	0.097 J P	ND	0.83 J P	0.092 J P		ND	ND	ND	0.35 J P	2.1 J P	ND	1.3 J P	ND	ND	0.84 J P	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		(µg/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		(µg/L)	**7.4**	**100 P**	ND	**39 P**	**74 P**	**19 P**	**330,000**	**56**	**48**	**150 P**	**110**	**400 E**	**54 P**	**62 P**	**33 P**	**55**	**240 P**	**30**	ND
11097-69-1	Aroclor-1254		(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11096-82-5	Aroclor-1260		(µg/L)	**43**	**330 E**	**2.4 P**	**89 E**	**72 P**	**9.2 P**	**120,000**	**26**	**17 P**	**88 E P**	**53**	**200 E**	**22**	**3 P8**	**16**	**22 J**	**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	(µg/L)	142 B	1090	30.2 B	5870	2390	859		1920	6890 E	3290	18300	85.4 B	3380	4920	23300		4500	11200	89.0 B
7440-36-0	Antimony	3	(µg/L)	ND	ND	ND	**4.9 B**	2.9 B	ND		ND	1.9 B	ND	ND	ND	ND	**3.7 B**	**9.2 B**		ND	**4.8 B**	ND
7440-38-2	Arsenic	25	(µg/L)	4.7 B	5.8 B	10.2	20.6	10.4	14.1		7.6 B	23.4	7.8 B	13.2	4.9 B	13.3	**33.7**	**96.1**		12.6	**27.7**	ND
7440-39-3	Barium	1,000	(µg/L)	187 B	196 B	151 B	463	332	490		278	468	313	**1,080**	179 B	292	441	519		190 B	238	190
7440-41-7	Beryllium	3 (G)	(µg/L)	ND	0.1 B	ND	0.34 B	0.18 B	0.16 B		0.16 B	0.65 B	0.15 B	2.5 B	0.13 B	0.17 B	0.2 B	1 B		ND	0.37 B	ND
7440-43-9	Cadmium	5	(µg/L)	ND	ND	ND	1.8 B	0.55 B	ND		ND	ND	ND	0.37 B	ND	ND	0.3 B	4.3 B		ND	1.1 B	ND
7440-70-2	Calcium	NS	(µg/L)	46,300	50,900	45,700	233,000	152,000	254,000		105,000	160,000	111,000	470,000	75,800	87,000	308,000	297,000		61,300	158,000	84,900
7440-47-3	Chromium	50	(µg/L)	1.2 B	5.4 B	ND	16.3	7.6 B	5.1 B, E		15.2	16	7.6 B	48.8	1.7 B, E	7.4 B	13	**87.9**		21.7	**139**	ND
7440-48-4	Cobalt	NS	(µg/L)	ND	ND	ND	5.7 B	2.2 B	ND		1.2 B	4.9 B	1.7 B	25.3 B	ND	ND	2.3 B	17.1 B		ND	6.2 B	ND
7440-50-8	Copper	200	(µg/L)	7.4 B	5.3 B	4 B	115	79.1	3 B		6.5 B	23.4 B	7.7 B	11.5 B	2.3 B	21.1 B	66.4	**318**		53	189	ND
7439-89-6	Iron	300	(µg/L)	**1,500**	**4,440**	**3,060**	**21,800**	**7,920**	**19,000**		**9,790**	**23,400**	**15,400**	**105,000**	**6,050**	**16,600**	**36,200**	**73,300**		**15,200**	**29,800**	**8,990**
7439-92-1	Lead	25	(µg/L)	2.6 B	8.2	ND	**47.6**	19.4	2.4 B		20.5	**28.3**	15.2	23.1	2.6 B, N	19.9	**33.2**	**148**		**35.8**	**65.1**	ND
7439-95-4	Magnesium	35,000 (G)	(µg/L)	9,410	10,100	7,730	16,700	12,900	13,600		15,600	14,800	13,900	33,900	14,100	14,800	16,500	23,800		16,500	13,900	19,900
7439-96-5	Manganese	300	(µg/L)	**1,210**	**1,330**	**1,080**	**3,150**	**2,290**	**3,480**		**1,510**	**2,580**	**1,830**	**6,640**	**824**	**1,660**	**2,370**	**2,260**		**971**	**929 E**	**917**
7439-97-6	Mercury	0.7	(µg/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	(µg/L)	7.7 B	17 B	8.1 B	28.9 B	18.2 B	33.5 B, E		45.3	26.6 B	12.4 B	**102**	2 B	14.1 B	35.7 B	**310**		33.7 B	**118**	ND
7440-09-7	Potassium	NS	(µg/L)	16,700	14,500	20,300	24,400	23,700	23,000		22,500	23,900 E	23,900	25,300	24,900	19,500	24,400	24,000		25,300	21,900	19,000
7782-49-2	Selenium	10	(µg/L)	ND	ND	ND	2.9 B	ND	ND		ND	ND	ND	3.4 B	ND	ND	ND	9.5		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	1.6 B	1.0 B
7440-23-5	Sodium	20,000	(µg/L)	**116,000**	**110,000**	**93,300**	**93,000**	**138,000**	**145,000 E**		**121,000**	**118,000**	**125,000**	**124,000**	**99,700 E**	**103,000**	**108,000**	**91,800**		**88,800**	**60,400**	**67,100**
7440-28-0	Thallium	0.5 (G)	(µg/L)	ND	**4.1 B**	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
7440-62-2	Vanadium	NS	(µg/L)	1.8 B	3.6 B	1.2 B	13.4 B	7.4 B	5.2 B, E		6.2 B	12.7 B	8.2 B	63.5	ND	10.3 B	43.4 B	76.3		12.4 B	42.2 B	ND
7440-66-6	Zinc	2,000 (G)	(µg/L)	15.8 B	157	23.7	384	138	149		205	197	164	1340	13.6 B	133	270	1200		126	399	ND
57-12-5	Cyanide	200	(µg/L)	14.9	ND	ND	ND	ND	ND		ND	ND	ND	12.6	ND	ND	5.5 B	ND		15.3	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.

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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-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	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	480-198320-5
			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	480-14339	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	480-198320
			Matrix:	Water	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	5/24/2022
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	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	ND
78-93-3	2-Butanone	50 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-15-0	Carbon disulfide	60 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
108-90-7	Chlorobenzene	5	(µg/L)	ND	ND	ND	**6.0**	**10**	ND	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	ND
74-87-3	Chloromethane	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
75-34-3	1,1-Dichloroethane	5	(µg/L)	ND	0.50 J	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND	ND	2.2	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	NA	NA	NA	NA	NA	NA	NA	NA
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	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	ND	ND	**5.3 J**	ND	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	ND
108-88-3	Toluene	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethene	5	(µg/L)	ND	0.66 J	ND	ND	ND	ND	ND	ND	ND	ND	0.46 J	ND	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	ND
1330-20-7	Xylene (total)	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOCs			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	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	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	ND
120-12-7	Anthracene	50(G)	(µg/L)	0.9 J	ND	ND	ND	0.64 J	ND	ND	ND	0.69 J	ND	ND	ND	ND	0.88 J	0.41 J	ND	0.83 J	ND	ND
56-55-3	Benzo[a]anthracene	0.002 (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	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	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	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	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	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	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	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	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	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	ND
53-70-3	Dibenz[a,h]anthracene	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	NS	(µg/L)	ND	ND	ND	0.92 J	1.0 J	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	0.82 J	0.89 J	ND	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	ND
120-83-2	2,4-Dichlorophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
84-66-2	Diethyl phthalate	50 (G)	(µg/L)	1 J B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.27 J	ND
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	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	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	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	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	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	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	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	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	ND
100-02-7	4-Nitrophenol	1	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
87-86-5	Pentachlorophenol	5	(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	0.75 J	ND	ND	ND	ND	ND	ND	0.61 J	ND	1.0 JB	ND	ND	0.52 J	ND
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	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	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
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	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	ND

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 values exceed the NYSDEC Class GA groundwater standard/guidance value.
B = Compound was found in the blank and sample.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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-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	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	480-198320-5
			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	480-14339	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	480-198320
			Matrix:	Water	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	5/24/2022
CAS NO.	COMPOUND		UNITS:																		
	PESTICIDES																				
309-00-2	Aldrin	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	(µg/L)	**0.042 J**	ND	ND	ND	ND	ND	**0.019 J**	**0.018 J**	ND	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	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 J B	ND	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	ND
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	NA
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	NA
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	ND
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	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	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	ND
959-98-8	Endosulfan I	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	0.021 J	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	**5.9 J QFL D04**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
53494-70-5	Endrin ketone	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015 J	ND
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	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	ND
72-43-5	Methoxychlor	35	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Pesticides			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	0.063	ND
	PCBs																					
53469-21-9	Aroclor-1242		(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	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	ND
11097-69-1	Aroclor-1254		(µg/L)	-	-	-	ND	ND	ND	ND	ND	ND	**1.6**	ND	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	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	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	87 J
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	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	ND
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	19
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
7440-43-9	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	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	48,300
7440-47-8	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	ND
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	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	2.1 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**	**400**
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	ND
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	14,500
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**	**460**
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)	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	ND
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	2,500
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)	**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**	1,700
7440-28-0	Thallium	0.5 (G)	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	Vanadium	NS	(µg/L)	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	ND
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	28
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	8.1 J
	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	68,004.2

Notes:

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H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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-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	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:

[1] - Standard is for Chlordane (CAS 57-74-9).
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.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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-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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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]	(ug/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]	(ug/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]	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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		(ug/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	(ug/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	(ug/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	(ug/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	(ug/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)	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/L)	61.4 B	170	99.1 B	47.9 B	46.7 B	134	**2,640**	**491**	92.8 B	52.1	**960**	96.8 B	**438**	34.6 B	42.8 B	**8,190**	**705**	42.3 B
7439-92-1	Lead	25	(ug/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)	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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	(ug/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)	(ug/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	(ug/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).
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.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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-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	480-198320-6
			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	480-101880	480-114997	480-125448	480-141984	480-155595	480-167686	480-177100	480-190061	480-198320
			Matrix:	Water	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	5/24/2022
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	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	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	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	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	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	ND
156-59-2	cis-1,2-Dichloroethene	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA
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	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	ND	ND	2.2 J	ND	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	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	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	ND
75-01-4	Vinyl Chloride	2	**(µg/L)**	ND	ND	ND	1.1	ND	ND	ND	ND	**3.8**	ND	ND	1.3	**2.8**	ND	ND	**4.6**	**9.7**	ND	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	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	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	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	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	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	ND	ND	ND	**0.65 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
191-24-2	Benzo[g,h,i]perylene	NS	**(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	ND	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**
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	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
84-74-2	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	ND
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	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
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	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)**	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	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	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	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	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	ND	ND	ND	1.6 J	ND	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	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	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	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	ND
100-02-7	4-Nitrophenol	1	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	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	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	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	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	11

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 values exceed the NYSDEC Class GA groundwater standard/guidance value.
B = Compound was found in the blank and sample.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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-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	480-198320-6
			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	480-101880	480-114997	480-125448	480-141984	480-155595	480-167686	480-177100	480-190061	480-198320
			Matrix:	Water	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	5/24/2022
CAS NO.	**COMPOUND**		**UNITS:**																		
	PESTICIDES																				
309-00-2	Aldrin	NS	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-84-6	alpha-BHC	0.01	**(µg/L)**	ND	ND	0.013 QSU, J	ND	ND	ND	ND	ND	**0.011 J B**	ND	ND	ND	ND	ND	ND	ND	ND	ND
319-85-7	beta-BHC	0.04	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	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	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	NA
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	NA
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	0.027 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	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	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	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	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	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	ND	ND	0.014 J	ND	ND	ND	0.049 J
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	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	ND
72-43-5	Methoxychlor	35	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Pesticides			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	0.076
	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	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	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	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	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	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	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	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	17
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	ND
7440-43-9	Cadmium	5	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-70-2	Calcium	NS	**(µg/L)**	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	12,900
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	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	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	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	120
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	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	2,300
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	9.6
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	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	1.4 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	21,600
7782-49-2	Selenium	10	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-22-4	Silver	50	**(µg/L)**	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)**	**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**	**35,000**
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	2.4 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	19
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	11
	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	71,980.4

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 values exceed the NYSDEC Class GA groundwater standard/guidance value.
B = Compound was found in the blank and sample.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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:**																				
	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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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.
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D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
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QFL = Florisil clean-up (EPA 3620) performed on extract.
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Z3 = Sample required dilution due to the nature of the sample matrix.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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

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 values exceed the NYSDEC Class GA groundwater standard/guidance value.
B = Compound was found in the blank and sample.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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	DUP (S-3)	S-3	S-3	S-3	S-3	DUP (S-3)	S-3	DUP (S-3)	S-3	S-3	DUP-1 (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	480-198320-7	480-198320-2
			Source:	TA	TA	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	480-198320	480-198320
			Matrix:	Water	Water	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	5/24/2022	5/24/2022
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	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	ND	ND
75-15-0	Carbon disulfide	60 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	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	3.5	1.8	2.2	1.6 J	1.8 J	1.3 J	1.5 J	2.0	1.8 J	ND	1.3 J	1.2 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	NA	NA
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	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	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	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	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	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	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	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	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	1.3	1.2
	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	ND	0.71 J
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	ND	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	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	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	ND	ND
205-99-2	Benzo[b]fluoranthene	0.002 (G)	**(µg/L)**	ND	ND	ND	ND	ND	ND	0.65 J	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
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	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	ND	ND
86-74-8	Carbazole	NS	**(µg/L)**	0.54 J	0.42 J	0.48 J	0.49 J	ND	ND	0.39 J	ND	1.4 J	0.42 J	0.45 J	ND *	ND	ND	ND	ND	ND	0.50 J	ND	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	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
106-46-7	1,4-Dichlorobenzene	3	**(µg/L)**	-	-	-	-	-	-	-	-	0.68 J	ND	ND	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	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	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	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	ND
105-67-9	2,4-Dimethylphenol	50	**(µg/L)**	8.9	7.3	10	11	18	22	18	11	18	14	14	**58**	**50**	ND	25	27	49	**53**	ND	ND	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	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	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	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	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	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	ND	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	ND	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	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	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	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	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	ND	0.71

Notes:

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ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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	DUP (S-3)	S-3	S-3	S-3	S-3	DUP (S-3)	S-3	DUP (S-3)	S-3	S-3	DUP-1 (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	480-198320-7	480-198320-2
			Source:	TA	TA	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	480-198320	480-198320
			Matrix:	Water	Water	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	5/24/2022	5/24/2022
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	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	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	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	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	NA	NA
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	ND	ND
72-54-8	4,4'-DDD	0.3	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	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	ND	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	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	ND	ND
33213-65-9	Endosulfan II	NS	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	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	ND	ND
7421-93-4	Endrin aldehyde	5	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	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	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	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	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	ND	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	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	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	ND	**0.61**	**0.36 J**	**0.46 J**	**0.68**	ND	**0.86**	**0.93**	**0.63**	**0.55**	ND	ND	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	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	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	ND	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	280	440
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	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	ND	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	38	42
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	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	51,600	53,500
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	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	2.3 J	1.7 J
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	**1,200**	**2,200**
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	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	660	670
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	26	50
7439-97-6	Mercury	0.7	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	1.4 J
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	35,200	36,000
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	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	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**	**137,000**	**139,000**
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	5.3	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	54	43
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	88	90
	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	226,153.6	232,045.2

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 values exceed the NYSDEC Class GA groundwater standard/guidance value.
B = Compound was found in the blank and sample.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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																				
93-32-9	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	ND	2 J	2 J	4 J	ND	5 J	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:

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

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.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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:																		
	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	480	14.3 B	NA	2.5 B	5.7 B	22.6	2.8 B	5.6 B	ND	48.1	2.7 B	11.8 B	ND	7 B	5.1 B	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:

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

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.

CF6 = Results confirmed by reanalysis

D04 = Dilution required due to high levels of non-target compounds

D08 = Dilution required due to high concentration of target analyte(s)

D12 = Dilution required due to sample viscosity

E = Concentration exceeds method limit.

(G) = Guidance Value

H = Sample was prepped or analyzed beyond the specified holding time.

ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.

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.

NA = Not analyzed/applicable

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

NS = No Standard

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.

- = Aroclor-1254 only reporting since 2011.

* = LCS or LCSD is outside acceptance limits.

*1 = LCS/LCSD RPD exceeds 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	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	480-198320-8
			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	480-198320
			Matrix:	Water	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	5/24/2022
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	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	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	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	1.2 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	NA
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	NA
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	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	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	ND	ND	2.4 J	ND	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	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	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	ND
75-01-4	Vinyl chloride	2	**(µg/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1330-20-7	Xylene (total)	5	**(µg/L)**	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	1.7 J
	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	2.9
	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	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	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	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	**0.65 J**	ND	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	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	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	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	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	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	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	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	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	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	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	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	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	38
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	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	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	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	**12 J**
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	**25 J**
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	9.1 J
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	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	ND	ND	ND	ND	0.53 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	0.52 J	ND	0.54 J	0.90 J	ND	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	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	84.1

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 values exceed the NYSDEC Class GA groundwater standard/guidance value.
B = Compound was found in the blank and sample.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds 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	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	480-198320-8
			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	480-14339	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	480-198320
			Matrix:	Water	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	5/24/2022
CAS NO.	**COMPOUND**		**UNITS:**																		
	PESTICIDES																				
309-00-2	Aldrin	NS	**(ug/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	**(ug/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	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	**0.048 J**	ND	ND	ND
319-86-8	delta-BHC	0.04	**(ug/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	ND
58-89-9	gamma-BHC (Lindane)	0.05	**(ug/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	0.013 J, *1
5103-71-9	alpha-Chlordane	0.05	**(ug/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
5103-74-2	gamma-Chlordane	0.05	**(ug/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	NA
72-54-8	4,4'-DDD	0.3	**(ug/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011 J	ND	ND	ND	ND **1	ND	ND	ND
72-55-9	4,4'-DDE	0.2	**(ug/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	ND
50-29-3	4,4'-DDT	0.2	**(ug/L)**	0.040 J	ND	ND	ND	ND	ND	0.022 J	ND	ND	ND	ND	ND	ND	ND	ND	ND **1	ND	ND	ND
60-57-1	Dieldrin	0.004	**(ug/L)**	ND	ND	ND	ND	ND	ND	**0.011 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
959-98-8	Endosulfan I	NS	**(ug/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	ND
33213-65-9	Endosulfan II	NS	**(ug/L)**	0.019 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	ND	ND	ND	ND
1031-07-8	Endosulfan sulfate	NS	**(ug/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND **1	ND	ND	ND
72-20-8	Endrin	NS	**(ug/L)**	**0.029**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7421-93-4	Endrin aldehyde	5	**(ug/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	**(ug/L)**	ND	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	**(ug/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	ND
1024-57-3	Heptachlor epoxide	0.03	**(ug/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	**(ug/L)**	ND	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	0.013
	PCBs																					
12674-11-2	Aroclor-1016		**(ug/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	ND
53469-21-9	Aroclor-1242	Sum of all PCBs	**(ug/L)**	**1.4**	**3.5**	ND	ND	ND	ND	**2.2**	ND	ND	ND	ND	ND	**0.73**	**2.6**	ND	ND	ND	ND	ND
11141-16-5	Aroclor-1232	< 0.09	**(ug/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**	**4.6**
12672-29-6	Aroclor-1248		**(ug/L)**	ND	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	4.6
	INORGANICS																					
7429-90-5	Aluminum	NS	**(ug/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	390
7440-36-0	Antimony	3	**(ug/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	**(ug/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	ND
7440-39-3	Barium	1,000	**(ug/L)**	9.6	19.3	20.8 CF6	22	30	23 B	30	31	32	40	45	85	110	79	15	27	32	29	33
7440-41-7	Beryllium	3 (G)	**(ug/L)**	0.52 B	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-43-9	Cadmium	5	**(ug/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	**(ug/L)**	54,000	121,000 B	107,000	89,200 B	98,000 B	93,200	111,000	98,100	96,000	140,000	70,000 B	201,000	445,000	246,000	49,700	111,000	117,000	95,800	106,000
7440-47-8	Chromium	50	**(ug/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	ND
7440-48-4	Cobalt	NS	**(ug/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND
7440-50-8	Copper	200	**(ug/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	ND
7439-89-6	Iron	300	**(ug/L)**	86.6	**370**	82	71	**370**	**720**	130	22 J	96	**520**	200	**370**	**7,800**	**620**	260	**710**	83	140	94
7439-92-1	Lead	25	**(ug/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	ND
7439-95-4	Magnesium	35,000 (G)	**(ug/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	3,000
7439-96-5	Manganese	300	**(ug/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	72
7439-97-6	Mercury	0.7	**(ug/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	**(ug/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	ND
7440-09-7	Potassium	NS	**(ug/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	59,600
7782-49-2	Selenium	10	**(ug/L)**	ND	ND	ND	**12 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	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	ND	ND	ND	ND
7440-23-5	Sodium	20,000	**(ug/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**	**200,000**
7440-28-0	Thallium	0.5 (G)	**(ug/L)**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
7440-62-2	Vanadium	NS	**(ug/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	3.4 J
7440-66-6	Zinc	2,000 (G)	**(ug/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 J B	ND
57-12-5	Cyanide	200	**(ug/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	35
	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	369,227.4

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 values exceed the NYSDEC Class GA groundwater standard/guidance value.
B = Compound was found in the blank and sample.
CF6 = Results confirmed by reanalysis
D04 = Dilution required due to high levels of non-target compounds
D08 = Dilution required due to high concentration of target analyte(s)
D12 = Dilution required due to sample viscosity
E = Concentration exceeds method limit.
(G) = Guidance Value
H = Sample was prepped or analyzed beyond the specified holding time.
ID7 = 4-Methylphenol concentration is the sum of 3- and 4-Methylphenol.
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.
NA = Not analyzed/applicable
ND = Indicates compound was analyzed for, but not detected at or above the reporting limit.
NS = No Standard
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.
- = Aroclor-1254 only reporting since 2011.
* = LCS or LCSD is outside acceptance limits.
*1 = LCS/LCSD RPD exceeds control limits

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	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
			Lab Sample ID:	G5192	H0921	H7401	M0192	A9751102	R7147	T7110	Z7446	B4289	E1194	0603095-001A	A7E985015
			Source:	OBG	OBG	OBG	OBG	OBG	OBG	OBG	OB	OB	OB	LSL-BL	TA
			SDG:	5116	6847	7810	1489	11090	7645	764	4203	6968	6968	6030950	A07-E985
			Matrix:	Water	Water	Water	Water	Water	Water	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	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	U	U	U	U	U	U	2 J, B	U	4 J, B	2 J, B	U
75-15-0	Carbon disulfide	NS	(µg/L)	U	U	U	5 J	U	U	U	U	U	U	U	U
75-09-2	Methylene chloride	5	(µg/L)	U	U	U	U	U	U	0.6 J, B	0.8 J, B	2 J, B	0.7 J, B	1 J, B	U
1330-20-7	Xylene (total)	5	(µg/L)	U	U	U	U	U	2 J	U	U	U	U	U	U
	Total VOCs			ND	ND	ND	5	ND	2	0.6	2.8	2	4.7	3	ND
	SEMIVOLATILES														
117-81-7	bis(2-Ethylhexyl)phthalate	5	(µg/L)	U	U	1 J	U	U	4 J	U	U	U	U	U	U
84-74-2	Di-n-butyl phthalate	50 (G)	(µg/L)	U	U	U	U	U	U	U	U	U	U	U	0.3 J, B
	Total SVOCs			ND	ND	1	ND	ND	4	ND	ND	ND	ND	ND	0.3
	PESTICIDES														
319-84-6	alpha-BHC	0.01	(µg/L)	0.0031 J, P	0.0068 J	U	0.0083 J, P, B		0.006 J	U	U	U	U	U	U
319-85-7	beta-BHC	0.04	(µg/L)	U	U	U	U	U	0.0087 J, P	U	U	0.02 J	U	U	U
319-86-8	delta-BHC	0.04	(µg/L)	U	U	U	U	U	U	U	U	U	U	0.0017 J, P, B	U
72-54-8	4,4'-DDD	0.3	(µg/L)	0.0022 J, P	U	U	0.002 J	U	0.0031 J, P	U	U	U	U	0.0019 J, P	U
72-55-9	4,4'-DDE	0.2	(µg/L)	0.021 J	0.0019 J, P	0.0032 J, P	U	U	U	U	U	U	U	U	U
50-29-3	4,4'-DDT	0.2	(µg/L)	0.1 J, P	U	U	U	U	U	U	U	U	U	U	U
60-57-1	Dieldrin	0.004	(µg/L)	U	U	0.0016 J, P	0.00096 J, P	U	0.0038 J, P	0.0016 J, P, B	U	U	U	0.0027 J, P	U
33213-65-9	Endosulfan II	NS	(µg/L)	U	0.0059 J	U	0.00052 J, P	U	U	U	U	U	U	U	U
1031-07-8	Endosulfan sulfate	NS	(µg/L)	U	U	0.001 J, P	0.0018 J, P	U	U	U	U	U	U	U	U
72-20-8	Endrin	0.2	(µg/L)	U	U	0.0017 J, P	0.00056 J, P	U	0.0032 J, P	U	U	U	U	U	U
7421-93-4	Endrin aldehyde	5 (G)	(µg/L)	U	0.0059 J, P	U	U	U	U	0.01 J, P, B	U	U	U	U	U
58-89-9	gamma-BHC (Lindane)	0.05	(µg/L)	U	0.0023 J	0.0019 J, P, B	U	U	U	U	U	U	U	U	U
5103-74-2	gamma-Chlordane	0.05	(µg/L)	U	U	0.0026 J, P	0.0048 J, P, B	U	U	U	U	U	0.0033 J, P, B	0.0042 J, P	U
72-43-5	Methoxychlor	35	(µg/L)	U	U	U	U	U	0.061 J, P, B	U	U	U	U	U	U
	Total Pesticides			0.1263	0.0228	0.012	0.01894	ND	0.0858	0.0116	ND	0.02	0.0033	0.0105	ND
	PCBs														
	None Detected														
	Total SVOCs			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	INORGANICS														
7429-90-5	Aluminum	NS	(µg/L)	263	2630	73.6 B	153 B	315	380 E	127 B	157 B	152 B	528	72.6 B	1180
7440-36-0	Antimony	3	(µg/L)	U	U	2.9 B	**8.3 B**	U	**3.4 B**	U	U	2.6 B	U	2.7 B	U
7440-38-2	Arsenic	50	(µg/L)	U	U	7.2 B	5.2 B	8.9 B	5 B	5.3 B	6.3 B	3.4 B	8.3 B	4.6 B	8.8 B
7440-39-3	Barium	1000	(µg/L)	12.2 B	33.9 B	26 B	50.3 B	51.4 B	37.6 B	46.1 B	34.5 B	40.6 B	46.1 B	45 B	40.5
7440-41-7	Beryllium	3 (G)	(µg/L)	U	0.08 B	U	U	U	0.27 B	0.1 B	U	U	U	U	0.47 B
7440-70-2	Calcium	NS	(µg/L)	34600	68900	134000	189000	152000	125000	192000	138000	152000	137000	146000	132000
7440-47-8	Chromium	50	(µg/L)	2.6 B	7.4 B	U	8.7 B	U	10.3	7.6 B	6 B	4.1 B	4.4 B	2.9 B	2.8 B
7440-48-4	Cobalt	5	(µg/L)	U	U	U	U	U	U	1.1 B	U	U	U	U	U
7440-50-8	Copper	200	(µg/L)	3.4 B	8.1 B	U	3.6 B	4.3 B	2.5 B	1.9 B	3.2 B	U	1.1 B	1.5 B	U
7439-89-6	Iron	300	(µg/L)	300	**2030**	**352**	223	282	**473**	**305**	239	188	**1070**	81.9 B	172
7439-92-1	Lead	50	(µg/L)	U	10.2	U	U	U	2.3 B	U	U	U	2 B	U	U
7439-95-4	Magnesium	35000	(µg/L)	11000	19200	**57900**	**53200**	**40400**	29800	**56300**	**38900**	38400	**48800**	**41000**	31900
7439-96-5	Manganese	300	(µg/L)	6.4 B	70.5	220	71.6	39.8	93	48.7	12.8 B	7.8 B	**541**	8.3 B, E	8.9
7439-97-6	Mercury	0.7	(µg/L)	1.2 B	3.6 B	2.3 B	3.2 B	3.6 B	3.1 B	4.7 B	U	1.5 B	0.04 B	0.011 B	U
7440-02-0	Nickel	100	(µg/L)	4330 B	9890	76900	66300	46700	29200 E	59600	28800	28500	4.2 B	2.2 B	U
7440-09-7	Potassium	NS	(µg/L)	4.4 B	U	U	U	9.8	2.4 B	2.6 B	3.3 B	3.8 B	50800	32600	24400
7782-49-2	Selenium	10	(µg/L)	U	U	U	U	U	U	U	1.5 B	U	U	3.6 B	**10.3 B**
7440-22-4	Silver	50	(µg/L)	6090	**30400**	**134000**	**133000**	**79400**	**93600**	**99300**	**82700**	67700	U	U	U
7440-23-5	Sodium	NS	(µg/L)	6090	30400	134000	133000	79400	93600	99300	82700	67700	106000	112000	92200
7440-62-2	Vanadium	NS	(µg/L)	1.2 B	6.4 B	1.2 B	9.9 B	U	2.9 B	2.7 B	4.3 B	2.3 B	3.4 B	U	3.4 B
7440-66-6	Zinc	2000 (G)	(µg/L)	6.5 B	29.9	9.3 B	23.7	15.8 B	15.4 B	15.9 B	15.5 B	5.3 B	12.3 B	5.6 B	6.1 B
57-12-5	Cyanide	200	(µg/L)	U	U	U	U	U	U	U	U	U	U	3.6 B	U
	Total Inorganics			62,711	163,620	537,495	575,061	398,631	372,231	507,069	371,583	354,711	344,821	178,744	281,933

Notes:

NYSDEC June 1998 Ambient Water Quality Standards and Guidance Values for Surface Water Class A.

Bold values exceed the NYSDEC Class A Surface Water 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

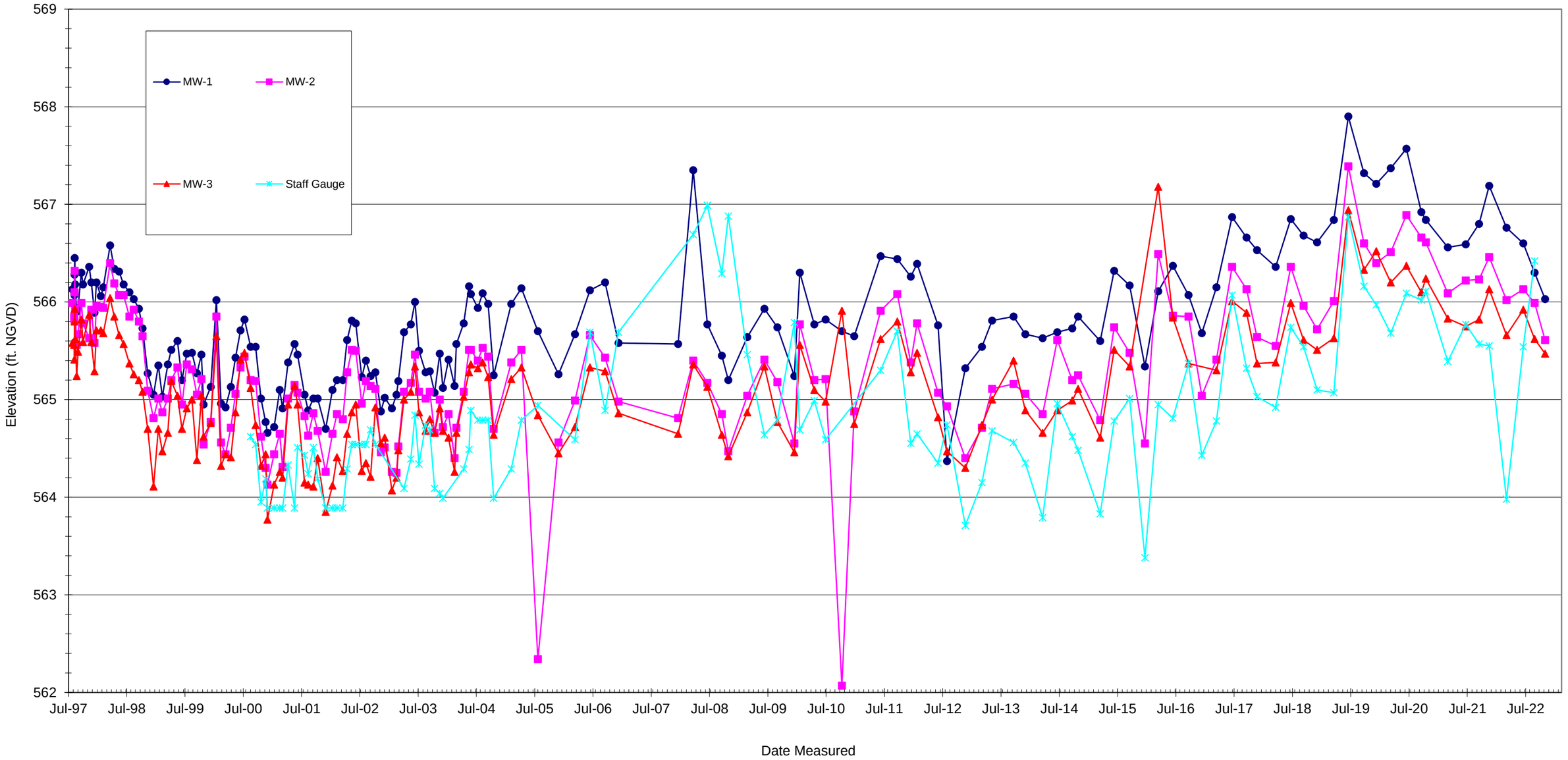
Cherry Farm Surface Water Historically Detected Compounds		NYSDEC Class A Surface Water Standards/ Guideline Values	Sample ID:	SW-2	SW-3	SW-3	SW-3
			Lab Sample ID:	G5193	G5117	N4876	Q3847
			Source:	OBG	OBG	OBG	OBG
			SDG:	5116	5116	3856	5490
			Matrix:	Water	Water	Water	Water
			Sampled:	11/21/1997	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	50	**(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	**(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	NS	**(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 Surface Water Class A.
Bold values exceed the NYSDEC Class A Surface Water 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, 1997-2022)

Appendix B-5

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

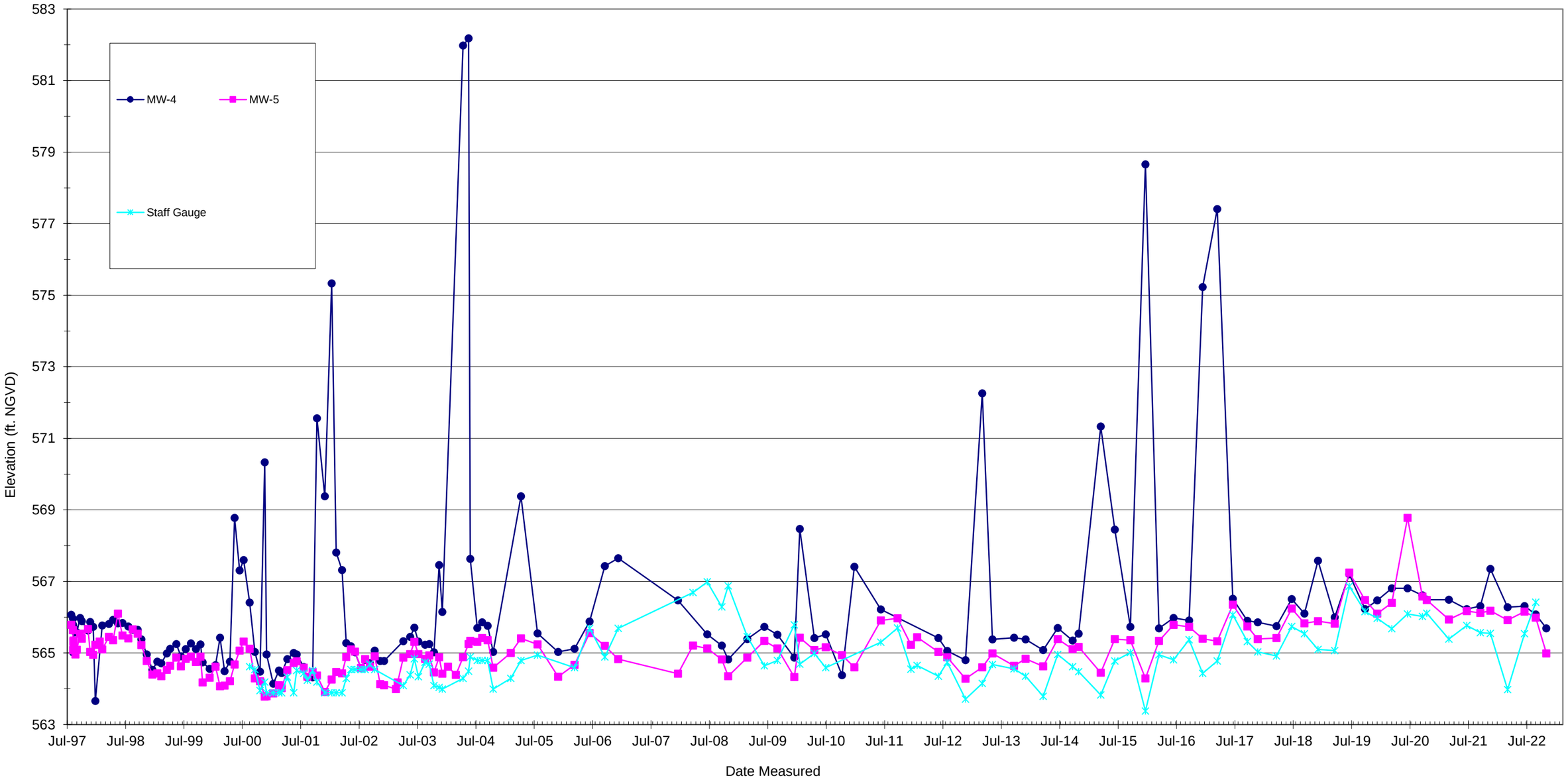


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-5

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

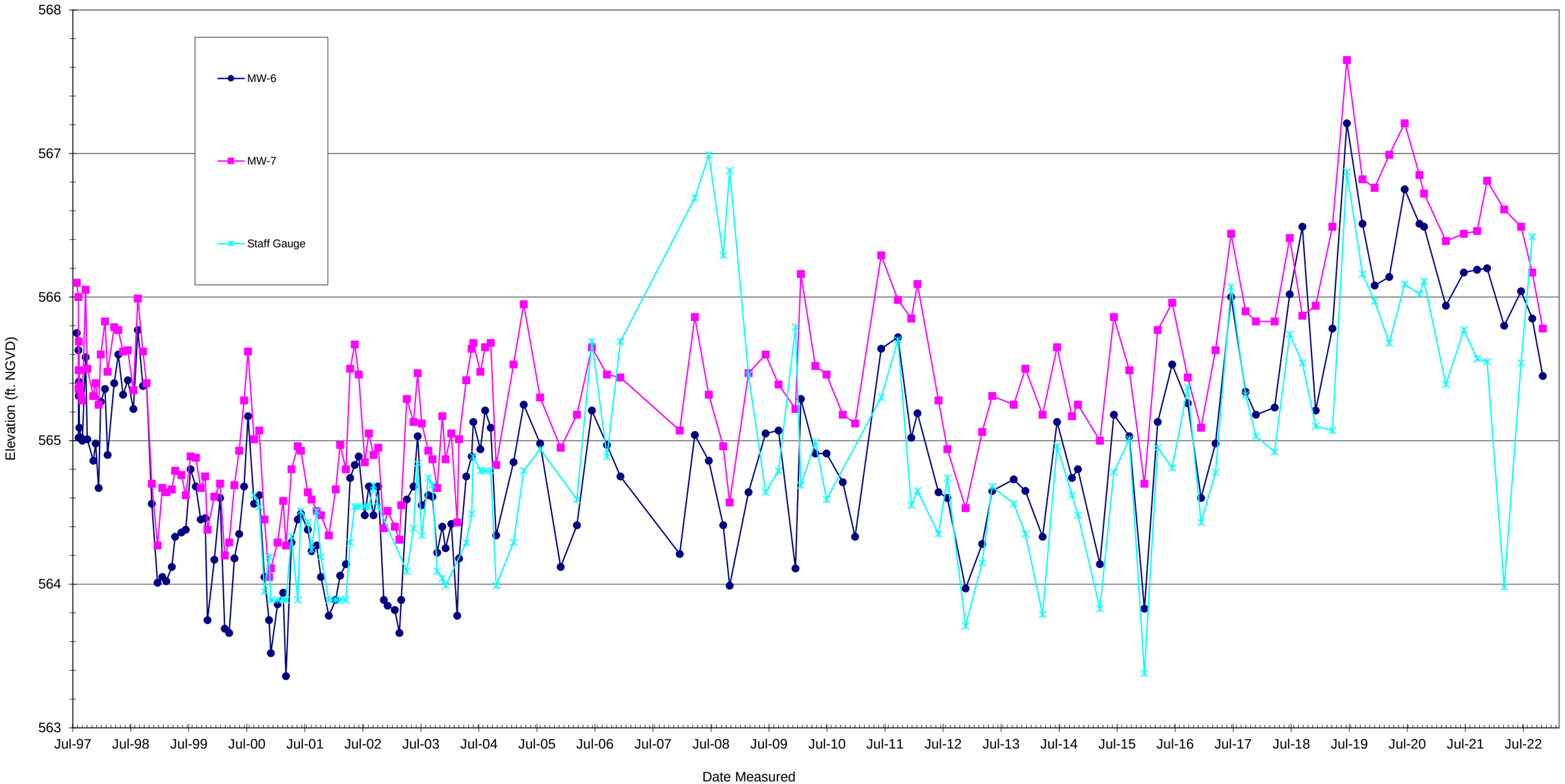


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-5

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

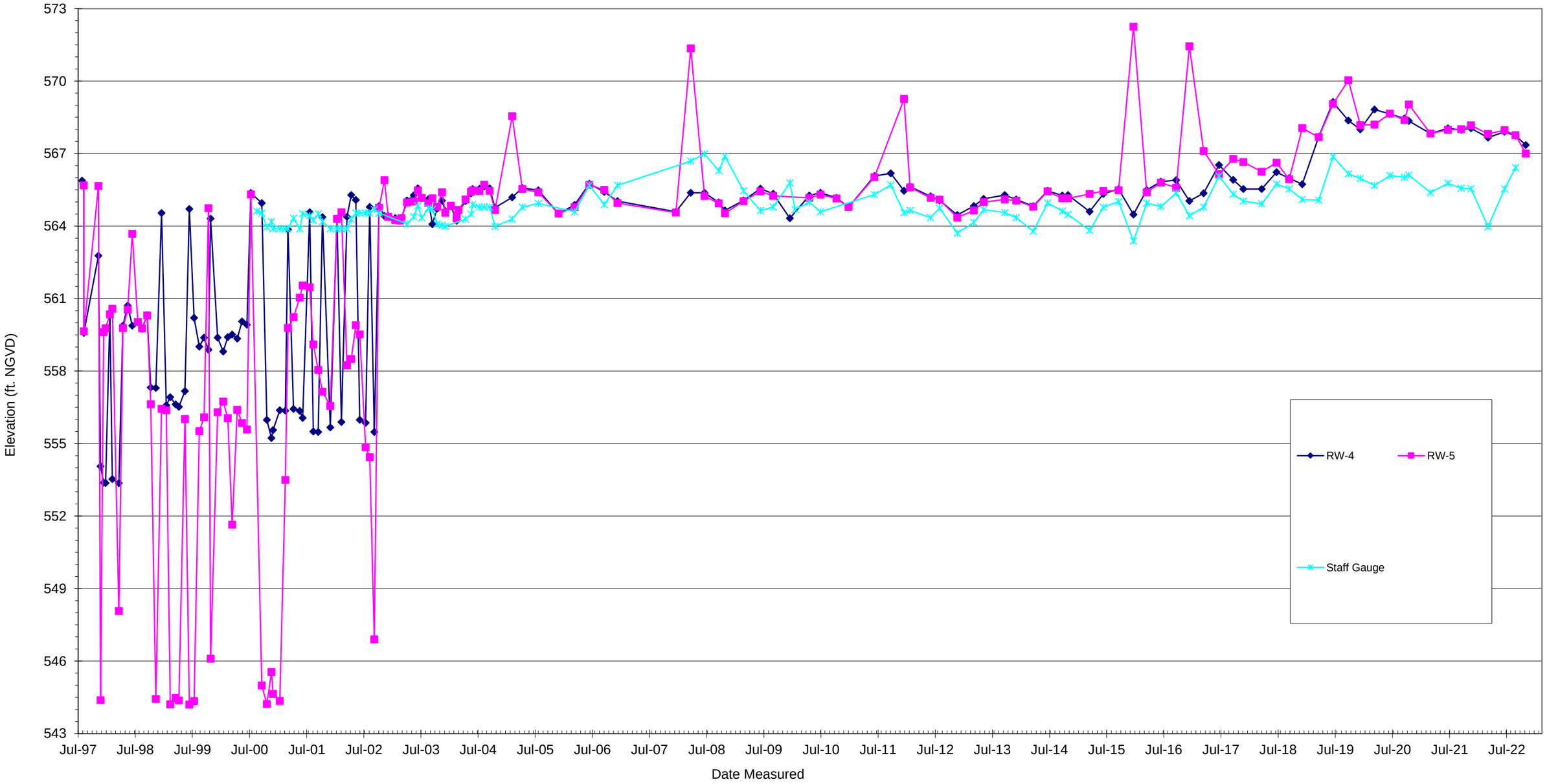


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-5

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



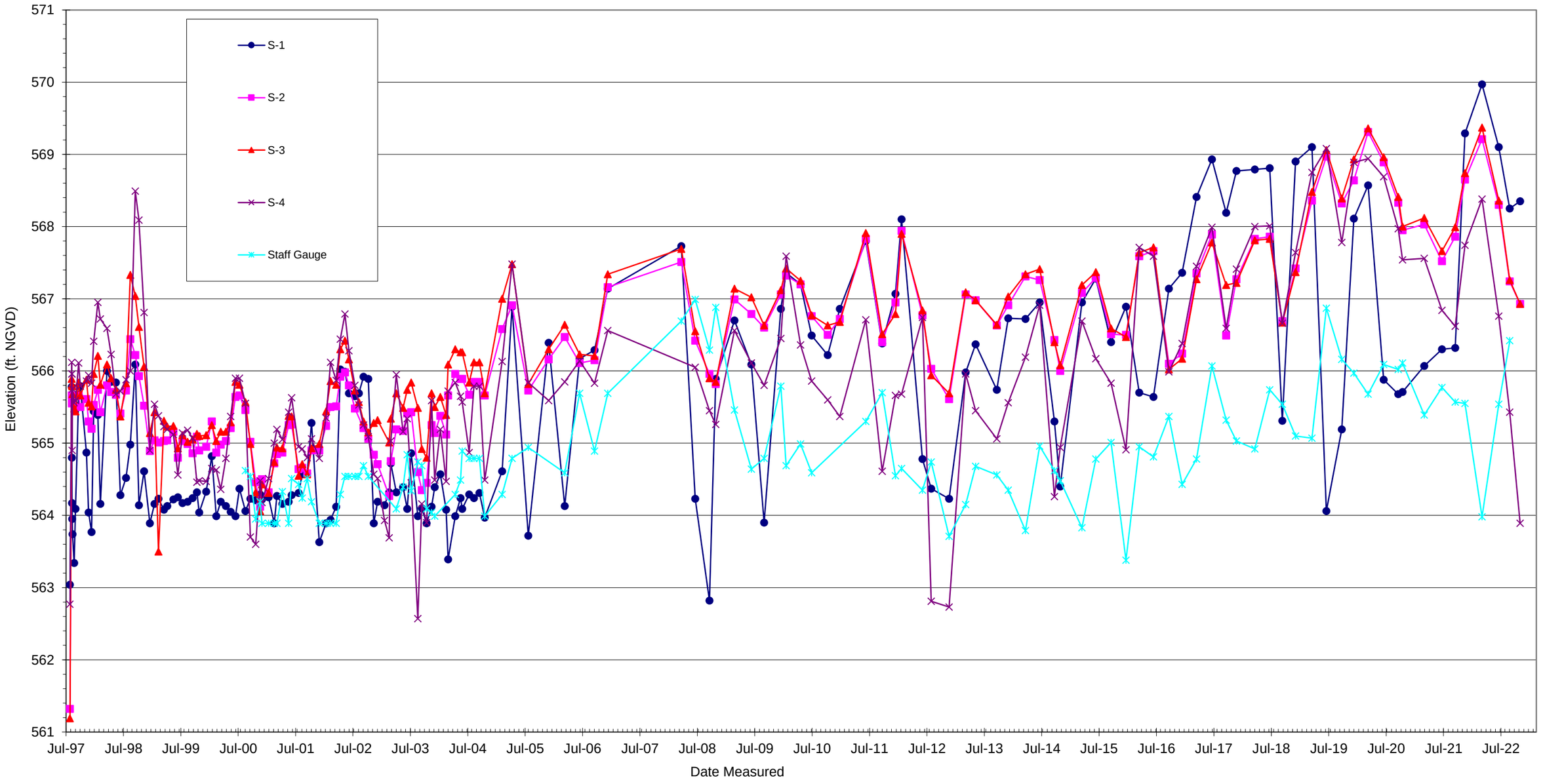
- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-6 Historical Hydrographs (Sumps and Observation Wells, 1997-2022)

Appendix B-6

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

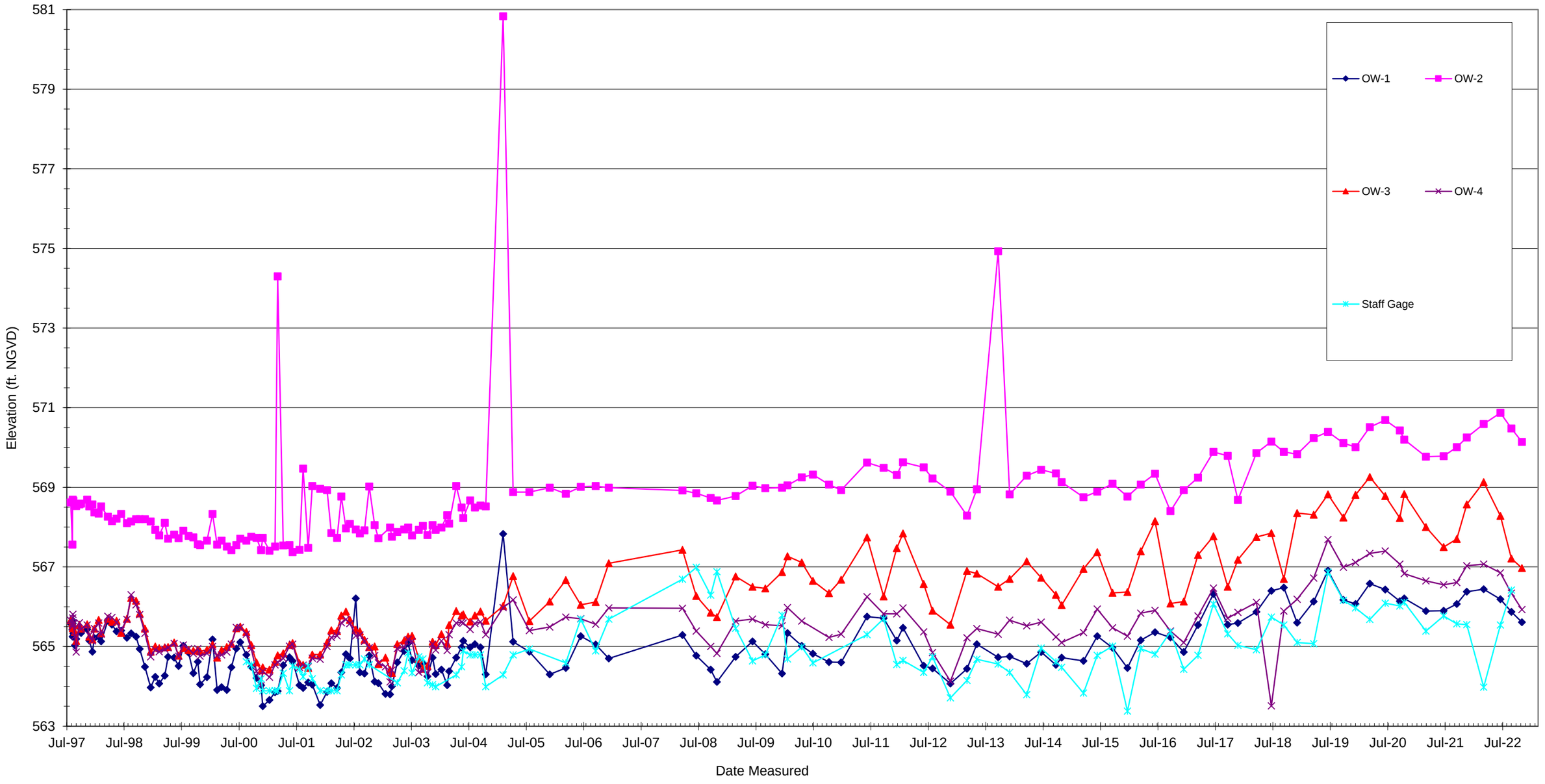


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

NGVD-National Geodetic Vertical Datum

Appendix B-6

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

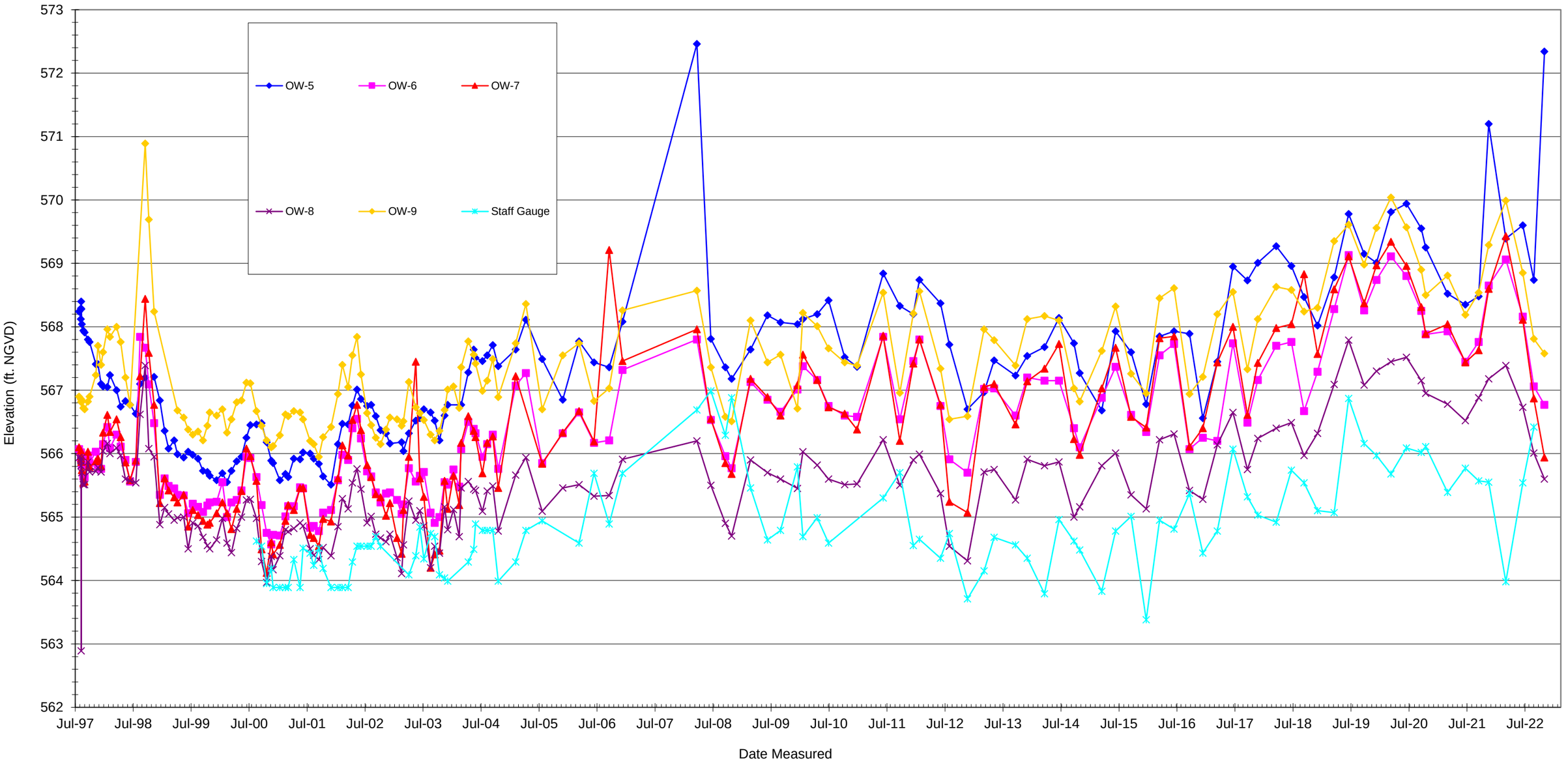


- Site wells were resurveyed on June 7, 2019, the Staff Gauge was resurveyed on October 29, 2020
- 2019 Staff Gauge elevations were adjusted based on 2020 survey data.

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 - May 2022 Groundwater Sampling Logs

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-1*

Samplers *Mike Reisch*, *Barbara Delaney*

Total Well Depth (TOC)	40.75	feet
Initial Static Water Level (TOC)	*10.95*	feet
Well Diameter	2.0	inches

Purging Data

Method *Bailer* **Date/Time** *5/23/2022 10:15*

Well depth	DTW	Casing Vol. per foot	Water Volume	
40.75	*10.95*	*0.16*	*4.77*	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 *14.4* gallons

Sampling Data

Method *Grab* **Date/Time** *5/23/2022 16:00:00 PM*

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

Field Parameters

	0 Volume	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.38*	*7.04*	*7.04*	*7.04*
Temp. (°C)	*12.4*	*12.3*	*12.3*	*12.3*
Spec. Cond. (mS/cm)	*1795*	*1905*	*1894*	*1889*
Turbidity (NTU)	*400.80*	*96.05*	*208.54*	*207.62*

Comments:

PSID: 934394

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-2*

Samplers *Mike Reisch*, *Barbara Delaney*

Total Well Depth (TOC)	40.50	feet
Initial Static Water Level (TOC)	*12.95*	feet
Well Diameter	2.0	inches

Purging Data

Method *Bailer* **Date/Time** *5/23/2022 9:45*

Well depth	DTW	Casing Vol. per foot	Water Volume	
40.50	*12.95*	*0.16*	*4.41*	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 *13.5* gallons

Sampling Data

Method *Grab* **Date/Time** *5/23/2022 16:15*

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

Field Parameters

	0 Volume	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.24*	*6.89*	*7.00*	*7.08*
Temp. (°C)	*11.7*	*12.3*	*12.4*	*12.6*
Spec. Cond. (mS/cm)	*641*	*2308*	*2253*	*2137*
Turbidity (NTU)	*33.07*	*48.27*	*39.05*	*51.91*

Comments:

PSID: 934394

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-3*

Samplers *Mike Reisch*, *Barbara Delaney*

Total Well Depth (TOC)	28.50	feet
Initial Static Water Level (TOC)	*5.55*	feet
Well Diameter	2.0	inches

Purging Data

Method *Bailer* **Date/Time** *5/23/2022 10:45*

Well depth	DTW	Casing Vol. per foot	Water Volume	
28.50	*5.55*	*0.16*	*3.67*	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 *12* gallons

Sampling Data

Method *Grab* **Date/Time** *5/23/2022 14:45:00 PM*

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

Field Parameters

	0 Volume	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*6.88*	*6.93*	*6.91*	*6.91*
Temp. (°C)	*11.8*	*10.6*	*10.8*	*10.7*
Spec. Cond. (mS/cm)	*1715*	*1729*	*1700*	*1673*
Turbidity (NTU)	*33.01*	*41.69*	*4.93*	*4.85*

Comments:

PSID: 934394

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-4*

Samplers *Mike Reisch*, *Barbara Delaney*

Total Well Depth (TOC)	47.70	feet
Initial Static Water Level (TOC)	*17.85*	feet
Well Diameter	2.0	inches

Purging Data

Method *Bailer* **Date/Time** *5/23/2022 11:00*

Well depth	DTW	Casing Vol. per foot	Water Volume	
47.70	*17.85*	*0.16*	*4.78*	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** *5/23/2022 15:00*

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

Field Parameters

	0 Volume	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.43*	*6.91*	*6.96*	*6.98*
Temp. (°C)	*11.5*	*11.8*	*11.8*	*11.7*
Spec. Cond. (mS/cm)	*361*	*1621*	*1768*	*1846*
Turbidity (NTU)	*1.99*	*28.58*	*60.31*	*174.13*

Comments:

PSID: 934394

Went dry during purging

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-5*

Samplers *Mike Reisch*, *Barbara Delaney*

Total Well Depth (TOC)	*46.40*	feet
Initial Static Water Level (TOC)	*17.52*	feet
Well Diameter	*2.0*	inches

Purging Data

Method *Bailer* **Date/Time** *5/23/2022 11:30*

Well depth	DTW	Casing Vol. per foot	Water Volume
46.40	*17.52*	*0.16*	*4.62*

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 *14* gallons

Sampling Data

Method *Grab* **Date/Time** *5/23/2022 15:45*

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

Field Parameters

	0 Volume	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.23*	*6.76*	*6.85*	*6.84*
Temp. (°C)	*11.9*	*11.7*	*11.7*	*11.8*
Spec. Cond. (mS/cm)	*478.1*	*1224*	*1297*	*1298*
Turbidity (NTU)	*88.06*	*1.72*	*-2.95*	*-5.97*

Comments:

PSID: 934394

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-6*

Samplers *Mike Reisch*, *Barbara Delaney*

Total Well Depth (TOC)	*47.50*	feet
Initial Static Water Level (TOC)	*20.28*	feet
Well Diameter	*2.0*	inches

Purging Data

Method *Bailer* **Date/Time** *5/23/22 8:45*

Well depth	DTW	Casing Vol. per foot	Water Volume
47.50	*20.28*	*0.16*	*4.36*

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** *5/23/2022 15:15*

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

Field Parameters

	0 Volume	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.20*	*7.07*	*7.07*	*7.07*
Temp. (°C)	*12.7*	*11.8*	*11.6*	*11.6*
Spec. Cond. (mS/cm)	*1007*	*1070*	*1085*	*1084*
Turbidity (NTU)	*-0.75*	*-5.39*	*-4.96*	*-3.89*

Comments:

PSID: 934394

Collected MS/MSD

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*MW-7*

Samplers *Mike Reisch*, *Barbara Delaney*

Total Well Depth (TOC)	*41.50*	feet
Initial Static Water Level (TOC)	*20.37*	feet
Well Diameter	*2.0*	inches

Purging Data

Method *Bailer* **Date/Time** *5/23/22 9:30*

Well depth	DTW	Casing Vol. per foot	Water Volume
41.50	*20.37*	*0.16*	*3.38*

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 *10* gallons

Sampling Data

Method *Grab* **Date/Time** *5/23/22 15:30*

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

Field Parameters

	0 Volume	*1 Volume*	2 Volume	*3Vol/Sample*
pH	*7.33*	*6.89*	*6.90*	*6.95*
Temp. (°C)	*13.3*	*12.3*	*12.3*	*12.3*
Spec. Cond. (mS/cm)	*715*	*795*	*789*	*799*
Turbidity (NTU)	*3.98*	*8.85*	*8.45*	*0.01*

Comments:

PSID: 934394

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*RW-4*
Samplers	*Barbara Delaney*		

Total Well Depth (TOC)	*52.15*	feet
Initial Static Water Level (TOC)	*15.78*	feet
Well Diameter	*10.0*	inches

Purging Data

Method *Low Flow Pumping* **Date/Time** *5/24/2022 14:15*

Well depth	DTW	Casing Vol. per foot	Water Volume
52.15	*15.78*	*4*	*145.48*

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 *6* gallons

Sampling Data

Method *Grab* **Date/Time** *5/24/2022 15:15:00 PM*

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

Field Parameters		Depth to Water	pH	Temp (ºC)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (mL/min)
Elapsed Time (min)	0	*16.29*	*6.09*	*12.5*	*239.3*	*-3.28*	250
	5	*16.39*	*6.09*	*12.5*	*239.1*	*-6.24*	250
	10	*16.40*	*6.09*	*12.6*	*239.4*	*-6.61*	250
	15	*16.38*	*6.09*	*12.9*	*239.4*	*-6.01*	250
	20	*16.32*	*6.09*	*12.7*	*239.3*	*-6.47*	250

Comments: *PSID: 934394*

145.5 = 1 Well Volume; 436.5 = 3 Well Volumes

WELL SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*RW-5*
Samplers	*Barbara Delaney*		

Total Well Depth (TOC)	*52.30*	feet
Initial Static Water Level (TOC)	*16.05*	feet
Well Diameter	*8.0*	inches

Purging Data

Method *Low Flow Pumping* **Date/Time** *5/24/2022 15:35*

Well depth	DTW	Casing Vol. per foot	Water Volume
52.30	*16.05*	*2.5*	*90.63*

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 *10* gallons

Sampling Data

Method *Grab* **Date/Time** *5/24/2022 16:55*

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

Field Parameters		Depth to Water	pH	Temp (ºC)	Spec. Cond. (mS/cm)	Turbidity	Flow Rate (mL/min)
Elapsed Time (min)	0	*17.37*	*8.12*	*13.0*	*454.3*	*17.98*	225
	5	*17.48*	*8.12*	*12.9*	*453.9*	*-0.66*	225
	10	*17.55*	*8.12*	*13.0*	*453.8*	*25.73*	225
	15	*17.72*	*8.12*	*12.9*	*454.0*	*42.32*	225
	20	*17.75*	*8.12*	*12.8*	*453.9*	*32.73*	225
	25	*17.85*	*8.12*	*12.9*	*453.7*	*29.03*	225
	30	*17.80*	*8.12*	*12.9*	*453.5*	*14.46*	225
	35	*18.00*	*8.12*	*12.9*	*453.8*	*19.56*	225
	40	*18.05*	*8.11*	*12.8*	*452.9*	*18.81*	225
	45	*18.10*	*8.11*	*12.6*	*453.2*	*18.02*	225

Comments:

PSID: 934394

3 Well Volumes = 272 gal

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-1*
Samplers	*Barbara Delaney*		

Sample Description

Depth to Water:	3.05
Type of water body:	Sump
Physical Appearance/Odor:	*No Odor/ Slight Sheen on the Water*
Color/Stain:	*Clear*

Sampling Data

Method	*Grab*	**Date/Time**	*5/24/2022 10:30*

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

Field Parameters	
pH	*7.85*
Temp. (°C)	*15.7*
Spec. Cond. (mS/cm)	*340.2*
Turbidity (NTU)	*-4.57*

Comments: *PSID: 934394*

System wells S-1, S-2, and S-3 offline due to blockage.
Sump cannot be purged without the system online.

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-2*
Samplers	*Barbara Delaney*		

Sample Description

Depth to Water:	3.68
Type of water body:	Sump
Physical Appearance/Odor:	*Yellowish Brown Water/ Some stuff floating on top of water.*
Color/Stain:	*Clear/ No Odor*

Sampling Data

Method	*Grab*	**Date/Time**	*5/24/2022 11:00*

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

Field Parameters	
pH	*9.18*
Temp. (°C)	*14.0*
Spec. Cond. (mS/cm)	*323.1*
Turbidity (NTU)	*-7.24*

Comments: *PSID: 934394*

System wells S-1, S-2, and S-3 offline due to blockage.
Sump cannot be purged without the system online.

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-3*
Samplers	*Barbara Delaney*		

Sample Description

Depth to Water:	3.79
Type of water body:	Sump
Physical Appearance/Odor:	*No Odor*
Color/Stain:	*Clear / light yellowish tint to water*

Sampling Data

Method	*Grab*	**Date/Time**	*5/24/2022 11:30*

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

Field Parameters	
pH	*9.45*
Temp. (°C)	*14.3*
Spec. Cond. (mS/cm)	*1125*
Turbidity (NTU)	*-6.96*

Comments:

PSID: *934394*

Collected DUP-1
System wells S-1, S-2, and S-3 offline due to blockage.
Sump cannot be purged without the system online.

SUMP WATER SAMPLING RECORD

Site Name	*Cherry Farms*	**Well ID**	*S-4*
Samplers	*Barbara Delaney*		

Sample Description

Depth to Water:	4.83
Type of water body:	Sump
Physical Appearance/Odor:	*Clear, no odor*
Color/Stain:	*Very Slight Yellow Tint*

Sampling Data

Method	*Grab*	**Date/Time**	*5/24/2022 9:30*

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

Field Parameters	
pH	*9.69*
Temp. (°C)	*13.4*
Spec. Cond. (mS/cm)	*1787*
Turbidity (NTU)	*-3.79*

Comments:

PSID: *934394*

Appendix D - 2022 Remedial System Monitoring Data and Town of Tonawanda Industrial Sewer Connection Permit

Appendix D

2022 Remedial System Monitoring Data

	Wastewater Discharge Limit	Units	1/10/2022	2/7/2022	3/4/2022	4/7/2022	5/2/2022	6/6/2022*	7/5/2022	8/4/2022	9/7/2022	10/5/2022	10/20/2022***	11/1/2022*	12/12/2022
OWS/Influent															
PCBs															
Aroclor 1016	NA	(µg/L)	ND	ND	ND	ND	ND	ND	2.3	4.2	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)	5.9	ND	ND	5.0	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1242	NA	(µg/L)	ND	2.2	2.8	ND	3.0	2.9	ND	ND	2.9	1.7	-	2.1	2.6
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)	1.8 JB	ND	1.7 J	2.0 J	1.4 J	8.3 B	1.9 JB	10.3 B	2.7 J	3.7 J	-	5.8	1.8 J
Between Carbon															
PCBs															
Aroclor 1016	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1221	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1232	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1242	NA	(µg/L)	ND	ND	ND	0.080	ND	0.15	ND	0.18	0.14	0.29 p	-	ND	ND
Aroclor 1248	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1254	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
Aroclor 1260	NA	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND
ML-2 (Post-Carbon)															
PCBs															
Aroclor 1016	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.14 p**	ND	ND	ND
Aroclor 1242	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	0.065 **	(µg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	0.065 **	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268	0.065 **	(µg/L)	-	-	-	-	-	-	-	-	-	-	-	-	-
TSS	250	(mg/L)	-	-	-	-	-	ND	-	-	-	-	-	ND	-
pH	5.0-9.5	(SU)	6.3 HF	7.0 HF	6.9 HF	6.8 HF	7.5 HF	6.5 HF	8.0 HF	7.1 HF	7.0 HF	6.4 HF	-	6.7 HF	6.7 HF
BOD	250	(mg/L)	-	-	-	-	-	ND *+	-	-	-	-	-	3.6 b*-	-
SGT TPH	100	(mg/L)	ND	ND	ND	ND	ND	5.2 B	ND	ND	ND	2.0 J	-	ND	ND
Total Cyanide	1.1	(mg/L)	-	-	-	-	-	0.0084 J	-	-	-	-	-	0.050 B F1	-
Total Phosphorous	6	(mg/L)	-	-	-	-	-	ND	-	-	-	-	-	ND	-
Total Arsenic	0.5	(mg/L)	-	-	-	-	-	ND	-	-	-	-	-	0.0067 J	-
Effluent Volume	NA	(Gal.)	230,117	235,721	261,983	350,455	364,972	423,771	302,071	420,774	346,272	177,161	-	245,990	249,696

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.
SGT TPH = Silica Gel Treated Total Petroleum Hydrocarbon per EPA Method 1664A
(mg/L) = milligrams per liter
(µg/L) = micrograms per liter
(GPM) = Gallons per month
(SU) = standard unit (logrithmic scale)
BOD = Biochemical Oxygen Demand
PCBs = Polychlorinated Biphenyls
TSS = Total Suspended Solids
ND = Not Detected
B = Compound was found in the blank and sample
HF = Field parameter with a holding time of 15 minutes.
*+ = LCS and/or LCSD is outside acceptance limits, high biased
*- = LCS and/or LCSD is outside acceptance limits, low biased
b = result detected in the unseeded control blank (USB).
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
p = The relative percent difference between the primary and confirmation column/detector is >40%. The lower value has been reported.

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.

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 27, 2022 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, 2023

Expiration Date: December 31, 2025

Permit No. 613

Date: 12/27/22 Signed: Paul Morrow

Paul Morrow
Town of Tonawanda
Office of the Compliance Coordinator

Permit No. 613

WASTEWATER STREAMS AUTHORIZED FOR DISCHARGE

WASTEWATER STREAM	APPROXIMATE FLOW(GPD)	YES	NO
A. Sanitary Discharge	10	x	
B. Treated Ground Water	12,500	x	

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**
PFAS+PFOS (list of 40)	**Yearly ***	**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]**
PFAS+PFOS (list of 40)	**Yearly***	**Grab**	**Monitoring**

Additional Analysis:

PARAMETERS	SAMPLE FREQUENCY	SAMPLE TYPE	PURPOSE
PCB's (Recovered Oil)	**Upon Disposal**	**Grab**	**Monitoring**

***PFAS+PFOS must be done in the 1st ,¼ the first year the 2 ,¼ the 2nd year and the 3rd, ¼ the third year**

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 in 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, 2021 to December 31, 2022

	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.
Town of Tonawanda discharge permit renewed for the 2023-2025 period. See Appendix D of PRR.

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
51.20-1-1.1	National Grid	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
51.20-1-1.1	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: 2/7/2023

The December 2022 Quarterly site inspection identified deficiencies to the cap/cover system caused by equipment during conveyance line repair work in November/December 2022. The PRR details plans to regrade and hydroseed affected areas in the Spring of 2023 to restore the deficient areas.

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 Owner - National Grid (Owner or Remedial Party)

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

Brian Stearns Digitally signed by Brian Stearns Date: 2023.02.27 08:20:37 -05'00'

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

Feb 27, 2023
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 (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)

As stated in Box 5, there is a deficiency to the cover system which must be addressed in 2023

STATE OF NEW YORK
GENEVIEVE F BOCK
090811
LICENSED PROFESSIONAL ENGINEER

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

Stamp (Required for PE)

2/28/2023
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: 20.000

Reporting Period: December 31, 2021 to December 31, 2022

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☒	☐

Niagara River World (parcel 64.0-1-1.1) and 4100 River Road (parcel 64.08-1-4) both submitted a change of use notification to the NYSDEC in 2022.

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☒	☐

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

Town of Tonawanda discharge permit renewed for the 2023-2025 period. See Appendix D of PRR.

5. Is the site currently undergoing development?	☐	☒

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 915031 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
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	4100 River Road Properties LLC	
		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.

Portion of 64.08-1-1.1	Niagara River World, Inc.	
		Monitoring Plan O&M Plan

The property located at 4002 River Road owned by Niagara River World extends onto the River Road (915031) site and is a portion of the overall River Road (915031) site. The Cherry Farm (915063) River Road (915031) PRP Group performed the remedial action of the site based on the Amended ROD. The owner of Niagara River World did not participate in the remedial action. The site owner has not filed a deed restriction for this property. The Cherry Farm/River Road PRP Group continues to conduct the OM&M activities at the site and submits periodic inspection and annual reports.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
64.08-1-3	Fencing/Access Control
64.08-1-4	Groundwater Treatment System Leachate Collection Cover System Monitoring Wells 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 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.

Portion of 64.08-1-1.1	Groundwater Treatment System Monitoring Wells

Parcel	Engineering Control
	Leachate Collection 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 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: 2/7/2023

The December 2022 Quarterly site inspection identified deficiencies to the cap/cover system caused by equipment during conveyance line repair work in November/December 2022. The PRR details plans to regrade and hydroseed affected areas in the Spring of 2023 to restore the deficient areas.

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 Sasa Jazic (print name) at 14 Columbia Cir, Ste 103, Albany, NY 12203 (print business address),

am certifying as Remediation Manager for the Remedial Party (Owner or Remedial Party)

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

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

2/16/23
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 Remediation Manager for the remedial party (Owner or Remedial Party)

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

Brian Stearns Digitally signed by Brian Stearns Date: 2023.02.27 08:20:09 -05'00'

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

Feb 27, 2023

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 (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)

As stated in Box 5, there is a deficiency to the cover system which must be addressed in 2023.

STATE OF NEW YORK * GENEVIEVE F BOCK * LICENSED PROFESSIONAL ENGINEER 080811

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

Stamp (Required for PE)

2/28/2023
Date

Appendix F - Quarterly Site-Wide Inspection Forms

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 1st

Date/Time of Inspection 2/25/22 / 1200

Inspector Name/Company T. Palmer / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
1. Facility Access Control					
A. Security Fences					
1. Gaps beneath fence	X			X	
2. Chain-link fabric	X			X	
3. Fence posts	X			X	
B. Site access gates					
1. Gate repairs	X			X	
2. Gate locks	X			X	
C. Warning signs	X				
D. Access roads	X			X	
E. Buildings	X			X	
F. Exterior Lighting at Treatment Plant	X			X	
2. Final Cover System					
A. Vegetative Cover					
1. Cover Growth	X			X	
2. Mowing	X			X	
B. Settlement	X			X	
C. Erosion	X			X	
D.Drainage Controls					
1. Vegetated Swales	X			X	
2. Rip Rap Lined Swales	X			X	
3. Culverts	X			X	
4. Riprap Shoreline	X			X	
5. Barrier Islands	X			X	
6. Gabion Walls	X			X	
E. Animal Control	X			X	
F. Debris, Litter, Waste	X			X	
3. In-River Sediment Caps	X			X	

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 1st

Date/Time of Inspection 2/25/22 / 1200

Inspector Name/Company T. Palmer / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
4. Groundwater Monitoring System					
A. Monitoring Wells					
1. Well Casing and Cap	X			X	
2. Protective Casing	X			X	
3. Locks	X			X	
4. Surface Seal	X			X	
5. Floats/Pumps	X			X	
6. Piping	X			X	
7. Sedimentation	X			X	
8. LNAPL	X			X	
B. Observation Wells					
1. Sedimentation	X			X	
2. LNAPL	X			X	
B. Sumps					
1. Sedimentation	X			X	
2. LNAPL	X			X	
3. Floating Debris	X			X	

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 2nd

Date/Time of Inspection 5/26/22 / 1300

Inspector Name/Company L.Reisch / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
1. Facility Access Control					
A. Security Fences					
1. Gaps beneath fence	X			X	
2. Chain-link fabric	X			X	
3. Fence posts	X			X	
B. Site access gates					
1. Gate repairs	X			X	
2. Gate locks	X			X	
C. Warning signs	X				
D. Access roads	X			X	
E. Buildings	X			X	
F. Exterior Lighting at Treatment Plant	X			X	
2. Final Cover System					
A. Vegetative Cover					
1. Cover Growth	X			X	
2. Mowing	X			X	
B. Settlement	X			X	
C. Erosion	X			X	
D.Drainage Controls					
1. Vegetated Swales	X			X	
2. Rip Rap Lined Swales	X			X	
3. Culverts	X			X	
4. Riprap Shoreline	X			X	
5. Barrier Islands	X			X	
6. Gabion Walls	X			X	
E. Animal Control	X			X	
F. Debris, Litter, Waste	X			X	
3. In-River Sediment Caps	X			X	

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 2nd

Date/Time of Inspection 5/26/22 / 1300

Inspector Name/Company L.Reisch / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
4. Groundwater Monitoring System					
A. Monitoring Wells					
1. Well Casing and Cap	X			X	
2. Protective Casing	X			X	
3. Locks	X			X	
4. Surface Seal	X			X	
5. Floats/Pumps	X			X	
6. Piping	X			X	
7. Sedimentation	X			X	
8. LNAPL	X			X	
B. Observation Wells					
1. Sedimentation	X			X	
2. LNAPL	X			X	
B. Sumps					
1. Sedimentation	X			X	
2. LNAPL	X			X	
3. Floating Debris	X			X	

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 3rd

Date/Time of Inspection 7/07/22 / 1300

Inspector Name/Company T. Palmer / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
1. Facility Access Control					
A. Security Fences					
1. Gaps beneath fence	X			X	
2. Chain-link fabric	X			X	
3. Fence posts	X			X	
B. Site access gates					
1. Gate repairs	X			X	
2. Gate locks	X			X	
C. Warning signs	X				
D. Access roads		X		X	Road along River side showing wear.
E. Buildings	X			X	
F. Exterior Lighting at Treatment Plant	X			X	
2. Final Cover System					
A. Vegetative Cover					
1. Cover Growth	X			X	
2. Mowing	X			X	
B. Settlement	X			X	
C. Erosion	X			X	
D.Drainage Controls					
1. Vegetated Swales	X			X	
2. Rip Rap Lined Swales	X			X	
3. Culverts	X			X	
4. Riprap Shoreline	X			X	
5. Barrier Islands	X			X	
6. Gabion Walls	X			X	
E. Animal Control	X			X	
F. Debris, Litter, Waste	X			X	
3. In-River Sediment Caps	X			X	

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 3rd

Date/Time of Inspection 7/07/22 / 1300

Inspector Name/Company T. Palmer / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
4. Groundwater Monitoring System					
A. Monitoring Wells					
1. Well Casing and Cap	X			X	
2. Protective Casing	X			X	
3. Locks	X			X	
4. Surface Seal	X			X	
5. Floats/Pumps	X			X	
6. Piping	X			X	
7. Sedimentation	X			X	
8. LNAPL	X			X	
B. Observation Wells					
1. Sedimentation	X			X	
2. LNAPL	X			X	
B. Sumps					
1. Sedimentation	X			X	
2. LNAPL	X			X	
3. Floating Debris	X			X	

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 4th

Date/Time of Inspection 12/22/22 / 1000

Inspector Name/Company T. Palmer / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
1. Facility Access Control					
A. Security Fences					
1. Gaps beneath fence	X			X	
2. Chain-link fabric	X			X	
3. Fence posts	X			X	
B. Site access gates					
1. Gate repairs	X			X	
2. Gate locks	X			X	
C. Warning signs	X				
D. Access roads		X		X	Road along River side showing wear.
E. Buildings	X			X	
F. Exterior Lighting at Treatment Plant	X			X	
2. Final Cover System					
A. Vegetative Cover					
1. Cover Growth		X	X		Damaged during Sump line repair.
2. Mowing	X			X	
B. Settlement	X			X	
C. Erosion	X			X	
D.Drainage Controls					
1. Vegetated Swales	X			X	
2. Rip Rap Lined Swales	X			X	
3. Culverts	X			X	
4. Riprap Shoreline	X			X	
5. Barrier Islands	X			X	
6. Gabion Walls	X			X	
E. Animal Control	X			X	
F. Debris, Litter, Waste	X			X	
3. In-River Sediment Caps	X			X	

POST-REMEDIAL ACTION QUARTERLY INSPECTION REPORT FORM
CHERRY FARM/RIVER ROAD SITE
TONAWANDA, NEW YORK

Quarter (1st, 2nd, 3rd, 4th) 4th

Date/Time of Inspection 12/22/22 / 1000

Inspector Name/Company T. Palmer / GES

INSPECTION OF:	Condition		Action Required		Comments/Location
	Adequate/ Stable	Damaged/ Deteriorating	Yes	No	
4. Groundwater Monitoring System					
A. Monitoring Wells					
1. Well Casing and Cap	X			X	
2. Protective Casing	X			X	
3. Locks	X			X	
4. Surface Seal	X			X	
5. Floats/Pumps	X			X	
6. Piping	X			X	
7. Sedimentation	X			X	
8. LNAPL	X			X	
B. Observation Wells					
1. Sedimentation	X			X	
2. LNAPL	X			X	
B. Sumps					
1. Sedimentation	X			X	
2. LNAPL	X			X	
3. Floating Debris	X			X	

Appendix G - 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? 350

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 pipe bedding material 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
Gradation Sheet Report

The information provided on this form is accurate and complete.

	3/23/23
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

March 20, 2023

Joseph Russo II

Russo Development Inc.

3710 Milestrip Rd

Blasdell, NY 14216

Re: Cherry Farm

Dear Joesph,

The #1 crushed stone to be supplied to the above referenced project was extracted 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

New Enterprise Stone & Lime Co., Inc.

500 Como Park Blvd
Buffalo, New York 14227
Phone: (716) 826-7310 Fax: (716) 826-1342

PLANT INFORMATION - 54230100 - WEHRLE AGGREGATES (716) 826-7310

ORDER NO.	TICKET NUMBER	SCALE	AUTO/MANUAL	DATE	TIME
1000334742	50273031	2	W	11/17/2022	7:05 am

SOLD TO:
Russo Development, Inc.
3710 Milestrip Road
Blasdell, NY 14219-

CUSTOMER: 81677
PHONE:
PO #: cherry farm

SHIP TO:

QUOTE:
STATE NY
ZONE:

PRODUCT ID	PRODUCT DESCRIPTION
280431	STONE, NY #1

JOB NAME / LOCATION
2022 MAY CUSTOM SEASONAL- 23/21

Item

JOB REQUIRED NUMBERS
COUNTY: ERIE 2022 MAY CUSTOM SEASONAL- 23/21

TAG NO.	AXLES	TRUCK	CARRIER NAME	CARRIER CODE
27476NA	0	B00RU123		

FREIGHT PICKUP	FREIGHT COLLECT 77,000		ACCUMULATIVE QUANTITIES		PAYMENT METHOD CREDIT		
US WEIGHT 73,200	36.60 Ton	GROSS	ORDERED 0.00		MATERIAL		
26,140	13.07 Ton	TARE	TODAY 23.53	LOADS 1	HAUL		
47,060	23.53 Ton	NET	TODATE 441.71	LOADS 17	ADD'L CHARGES		
23.53		Ton	ACCUMULATED CASH SALE		TAX		

WEIGHED BY
14540

Job # 15705

Equip #

Ledger # 50100

Cost Code 11000

TOTAL THIS LOAD ➤

INSPECTOR'S SIGNATURE

JOB ARRIVAL TIME

JOB DEPARTURE TIME

RECEIVED ABOVE MATERIAL IN GOOD CONDITION YOUR SIGNATURE OR ACTUAL RECEIPT/DELIVERY ACKNOWLEDGES ACCEPTANCE OF THE NESL TERMS & CONDITIONS REFERENCED BELOW

A SERVICE CHARGE NOT TO EXCEED THE MAXIMUM ALLOWABLE BY LAW WILL BE APPLIED TO ALL AMOUNTS OVER 30 DAYS PAST DUE.

X

Truck Desc: russo development

Initials

Crushed Stone, Pulverized Limestone, or Sand and Gravel DANGER - May Cause Cancer (Inhalation). May cause damage to organs (lungs, respiratory system) through prolonged or repeated overexposure to dust from these products(inhalation). **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. **Response:** If exposed or concerned, get medical advice/attention. **Handling and Storage:** Follow personal protection and control measures set forth in the product SDS. Avoid dust formation and breathing dust. **Disposal:** Dispose of contents/container in accordance with all local, regional, national and international regulations. **Read the Safety Data Sheet (SDS) before handling this product** to determine the appropriate ventilation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure in the workplace. Safety Data Sheets are available at www.nesl.com <http://www.nesl.com> or by calling (814) 766-2211.

Plant #: 54230100 Ticket #: 50273031 PICKUP

ORIGINAL - CUSTOMER

New Enterprise Stone & Lime Co., Inc.

500 Como Park Blvd
Buffalo, New York 14227
Phone: (716) 826-7310 Fax: (716) 826-1342

PLANT INFORMATION - 54230100 - WEHRLE AGGREGATES (716) 826-7310

ORDER NO	TICKET NUMBER	SCALE	AUTO/MANUAL	DATE	TIME
1000334742	50272104	1	W	11/10/2022	12:26 pm

SOLD TO:
Russo Development, Inc.
3710 Milestrip Road
Blasdell, NY 14219-

CUSTOMER: 81677
PHONE:
PO #: CHERRY FARM

SHIP TO:

QUOTE:
STATE NY
ZONE:

PRODUCT ID	PRODUCT DESCRIPTION
280431	STONE, NY #1

JOB NAME / LOCATION
2022 MAY CUSTOM SEASONAL- 23/21

Item

JOB REQUIRED NUMBERS
COUNTY: ERIE 2022 MAY CUSTOM SEASONAL- 23/21

TAG NO.	AXLES	TRUCK	CARRIER NAME	CARRIER CODE
27476NA	0	B00RU123		

FREIGHT PICKUP	FREIGHT COLLECT 77.000		ACCUMULATIVE QUANTITIES		PAYMENT METHOD CREDIT		
US WEIGHT 70,320	35.16 Ton	GROSS	ORDERED 0.00		MATERIAL		
26,140	13.07 Ton	TARE	TODAY 22.09	LOADS 1	HAUL		
44,180	22.09 Ton	NET	TODATE 418.18	LOADS 16	ADD'L CHARGES		
22.09		Ton	ACCUMULATED CASH SALE		TAX		

WEIGHED BY
14540

Job # 15705

Equip #

TOTAL THIS LOAD ➤

INSPECTOR'S SIGNATURE

JOB ARRIVAL TIME

JOB DEPARTURE TIME

Ledger # 50100

RECEIVED ABOVE MATERIAL IN GOOD CONDITION YOUR SIGNATURE OR ACTUAL RECEIPT/DELIVERY ACKNOWLEDGES ACCEPTANCE OF THE NESL TERMS & CONDITIONS REFERENCED BELOW

A SERVICE CHARGE NOT TO EXCEED THE MAXIMUM ALLOWABLE BY LAW WILL BE APPLIED TO ALL AMOUNTS OVER 30 DAYS PAST DUE

X

Cost Code 11000

Truck Desc: russo development

Initials

Crushed Stone, Pulverized Limestone, or Sand and Gravel DANGER - May Cause Cancer (Inhalation). May cause damage to organs (lungs, respiratory system) through prolonged or repeated overexposure to dust from these products(inhalation). **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. **Response:** If exposed or concerned, get medical advice/attention. **Handling and Storage:** Follow personal protection and control measures set forth in the product SDS. Avoid dust formation and breathing dust. **Disposal:** Dispose of contents/container in accordance with all local, regional, national and international regulations. **Read the Safety Data Sheet (SDS) before handling this product** to determine the appropriate ventilation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure in the workplace. Safety Data Sheets are available at www.nesl.com <http://www.nesl.com> or by calling (814) 766-2211.

Plant #: 54230100 Ticket #: 50272104 PICKUP

ORIGINAL - CUSTOMER

New Enterprise Stone & Lime Co., Inc.

500 Como Park Blvd
Buffalo, New York 14227
Phone: (716) 826-7310 Fax: (716) 826-1342

PLANT INFORMATION - 54230100 - WEHRLE AGGREGATES (716) 826-7310

ORDER NO.	TICKET NUMBER	SCALE	AUTO/MANUAL	DATE	TIME
1000334742	50273760	1	W	12/01/2022	6:58 am

SOLD TO:
Russo Development, Inc.
3710 Milestrip Road
Blasdell, NY 14219-

CUSTOMER: 81677
PHONE:
PO #: cherry farm

SHIP TO:

QUOTE:
STATE NY
ZONE:

PRODUCT ID	PRODUCT DESCRIPTION
280431	STONE, NY #1

JOB NAME / LOCATION
2022 MAY CUSTOM SEASONAL- 23/21

Item

JOB REQUIRED NUMBERS
COUNTY: ERIE 2022 MAY CUSTOM SEASONAL- 23/21

TAG NO.	AXLES	TRUCK	CARRIER NAME	CARRIER CODE
27476NA	0	B00RU123		

FREIGHT PICKUP	FREIGHT COLLECT 77,000		ACCUMULATIVE QUANTITIES		PAYMENT METHOD CREDIT		
US WEIGHT 70,760	35.38 Ton	GROSS	ORDERED 0.00		MATERIAL		
26,140	13.07 Ton	TARE	TODAY 22.31	LOADS 1	HAUL		
44,620	22.31 Ton	NET	TODATE 464.02	LOADS 18	ADD'L CHARGES		
22.31		Ton	ACCUMULATED CASH SALE		TAX		

WEIGHED BY
14540

TOTAL THIS LOAD ➤

Job # 18705

INSPECTOR'S SIGNATURE

JOB ARRIVAL TIME

JOB DEPARTURE TIME

Equip #

RECEIVED ABOVE MATERIAL IN GOOD CONDITION YOUR SIGNATURE OR ACTUAL RECEIPT/DELIVERY ACKNOWLEDGES ACCEPTANCE OF THE NESL TERMS & CONDITIONS REFERENCED BELOW

A SERVICE CHARGE NOT TO EXCEED THE MAXIMUM ALLOWABLE BY LAW WILL BE APPLIED TO ALL AMOUNTS OVER 30 DAYS PAST DUE

X

Ledger 50100

Truck Desc: russo development

Cost Code 4500

Initials

Crushed Stone, Pulverized Limestone, or Sand and Gravel DANGER - May Cause Cancer (Inhalation). May cause damage to organs (lungs, respiratory system) through prolonged or repeated overexposure to dust from these products(inhalation). **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. **Response:** If exposed or concerned, get medical advice/attention. **Handling and Storage:** Follow personal protection and control measures set forth in the product SDS. Avoid dust formation and breathing dust. **Disposal:** Dispose of contents/container in accordance with all local, regional, national and international regulations. **Read the Safety Data Sheet (SDS) before handling this product** to determine the appropriate ventilation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure in the workplace. Safety Data Sheets are available at www.nesl.com <http://www.nesl.com> or by calling (814) 766-2211.

Plant #: 54230100 Ticket #: 50273760 PICKUP

ORIGINAL - CUSTOMER

New Enterprise Stone & Lime Co., Inc.

500 Como Park Blvd
Buffalo, New York 14227
Phone: (716) 826-7310 Fax: (716) 826-1342

PLANT INFORMATION - 54230100 - WEHRLE AGGREGATES (716) 826-7310

ORDER NO	TICKET NUMBER	SCALE	AUTO/MANUAL	DATE	TIME
1000334742	50274703	1	W	12/08/2022	6:52 am

SOLD TO:
Russo Development, Inc.
3710 Milestrip Road
Blasdell, NY 14219-

CUSTOMER: 81677
PHONE:
PO #: cherry farm

SHIP TO:

QUOTE:
STATE NY
ZONE:

PRODUCT ID	PRODUCT DESCRIPTION
280431	STONE, NY #1

JOB NAME / LOCATION
2022 MAY CUSTOM SEASONAL- 23/21

Item

JOB REQUIRED NUMBERS
COUNTY: ERIE 2022 MAY CUSTOM SEASONAL- 23/21

TAG NO	AXLES	TRUCK	CARRIER NAME	CARRIER CODE
27476NA	0	B00RU123		

FREIGHT PICKUP	FREIGHT COLLECT 77,000		ACCUMULATIVE QUANTITIES		PAYMENT METHOD CREDIT		
US WEIGHT 69,300	34.65 Ton	GROSS	ORDERED 0.00		MATERIAL		
26,160	13.08 Ton	TARE	TODAY 21.57	LOADS 1	HAUL		
43,140	21.57 Ton	NET	TODATE 485.59	LOADS 19	ADD'L CHARGES		
21.57		Ton	ACCUMULATED CASH SALE		TAX		

WEIGHED BY
14540

TOTAL THIS LOAD ➤

Job # 15705

INSPECTOR'S SIGNATURE

Equip #

JOB ARRIVAL TIME

JOB DEPARTURE TIME

RECEIVED ABOVE MATERIAL IN GOOD CONDITION. YOUR SIGNATURE OR ACTUAL RECEIPT OF MATERIAL ACKNOWLEDGES ACCEPTANCE OF THE NESL TERMS & CONDITIONS REFERENCED BELOW

A SERVICE CHARGE NOT TO EXCEED THE MAXIMUM ALLOWABLE BY LAW WILL BE APPLIED TO ALL AMOUNTS OVER 30 DAYS PAST DUE

X

Ledger # 50100

Cost Code 4500

Truck Desc: russo development

Initials

Crushed Stone, Pulverized Limestone, or Sand and Gravel DANGER - May Cause Cancer (Inhalation). May cause damage to organs (lungs, respiratory system) through prolonged or repeated overexposure to dust from these products(inhalation). **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. **Response:** If exposed or concerned, get medical advice/attention. **Handling and Storage:** Follow personal protection and control measures set forth in the product SDS. Avoid dust formation and breathing dust. **Disposal:** Dispose of contents/container in accordance with all local, regional, national and international regulations. **Read the Safety Data Sheet (SDS) before handling this product** to determine the appropriate ventilation or respiratory protection necessary to safeguard your health. The risk of silicosis or lung cancer depends upon the duration and levels of silica exposure in the workplace. Safety Data Sheets are available at www.nesl.com <http://www.nesl.com> or by calling (814) 766-2211.

Plant #: 54230100 Ticket #: 50274703 PICKUP

HAULER

Void - Customer Do Not Accept

Gradation Sheet

Wehrle Dr. New Enterprise Stone & Lime

Sample of **1's**	Date	8/2/22	Time
From Pt. 23	**mill**		

Sieve Size	Sieve Size	Weight Retained	% Retained	% Passing	Spec.
90mm	3-1/2"		0.0	100.0	
75mm	3"		0.0	100.0	
63mm	2-1/2"		0.0	100.0	
50mm	2"		0.0	100.0	
37.5mm	1-1/2"		0.0	100.0	
25.0mm	1"		0.0	**100.0**	100
19.0mm	3/4"		0.0		
12.5mm	1/2"	0.95	5.6	**94.4**	90/100
9.5mm	3/8"	6.00	35.3	**59.1**	
6.3mm	1/4"	8.85	52.1	**7.1**	0/15
4.75mm	4	0.95	5.6	**1.5**	
3.2mm	1/8"	0.15	0.9	**0.6**	
2.36mm	8		0.0		
2.0mm	10		0.0		
1.4mm	14		0.0		
1.18mm	16		0.0		
850µm	20		0.0		
600µm	30		0.0		
425µm	40		0.0		
300µm	50		0.0		
180µm	80	0.05	0.3	**0.3**	
150µm	100		0.0		
75µm	200		0.0		
	Pan	0.05	0.3	0.0	
	Total	17.00	100		

Wash Loss:		
Before:	0.0	
After:	0.0	
Loss:	0.0	
	#DIV/0!	%

Appendix H - COU Forms and Letters

New York State Department of Environmental Conservation
Division of Environmental Remediation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

Basil Seggos
Commissioner

August 24, 2022

Richard Stanton, Esq.
415 Franklin Street
Buffalo, NY 14202

Re: Change of Use Notification
River Road Site, 915031

Dear Richard Stanton:

This letter acknowledges receipt of your August 22, 2022 60-Day Advance Notification of Change of Use Form for the above referenced site, wherein the type of change was indicated as a proposed change in ownership in Parcel 64.08-1-4. This acknowledgement is not intended to imply approval or concurrence with the proposed change of use.

Please ensure that you submit the post-transfer notice required by 6 NYCRR Part 375-1.11(d)(3)(ii) and 375-1.9(f)(1)(ii). This notification must include the name of the new owner, new owner's contact information, contact representative, {and} contact information for such representative.

Failure to comply with the regulatory requirements of transfer notices may prevent successors and assigns from receiving any rights benefits, or protections as provided by statute or regulation.

If you have any questions or need additional information, you may contact me at the address given above.

Sincerely,

Megan Kuczka
Environmental Program Specialist 1

ec: Andrea Caprio – NYSDEC
Greg Scholand – NYSDEC
4100 RR, LLC
Sasa Jazic – Honeywell
Brian Stearns – National Grid
Christopher Burns – CHA
Jeff Davis – Barclay Damon LLP
Thomas Palmer – GES
Genevieve Bock - GES

RICHARD E. STANTON, ESQ.

LAW OFFICES OF RICHARD E. STANTON

415 Franklin Street Buffalo, NY 14202: (716) 603-7865

Richard.stanton@yahoo.com

June 13, 2022

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020

Re: Notice of Change of Ownership of Site No. 915031, 4100 River Road

Please be advised that 4100 River Road Properties LLC is selling Site NO 915031, located at 4100 River Road, Tonawanda, NY to 4100 RR, LLC.

The Change of Use form is attached. The representatives of the new owner are copied electronically, on this filing.

Respectfully submitted,

Richard E. Stanton

Cc: Lewandowski & Associates (email lboehler@lewandowskiasscociates.com)

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** 4100 River Road **DEC Site ID No.** 915031

II. **Contact Information of Person Submitting Notification:**

Name: Richard E. Stanton, Esq.

Address1: 415 Franklin Street

Address2: Buffalo, NY 14201

Phone: 716 603 7865 E-mail: Richard.stanton@yahoo.con

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- [x] Change in Ownership or Change in Remedial Party(ies)
- [ ] Transfer of Certificate of Completion (CoC)
- [ ] Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 7/10/2022

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

This is just a Notice of Change of Ownership. Site is not in current use.

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

There is no discernible impact in change in ownership

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____ (Signature) 6/4/2022 (Date)

Richard E. Stanton (Print Name)

Address1: 415 Franklin Street

Address2: Buffalo, NY 14202

Phone: 716 603 7865 E-mail: Richard.stanton@yahoo.com

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☑ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: 4100 RR, LLC

Address1: 4100 River Road

Address2: Tonawanda, NY 14150

Phone: 716 875 6000 E-mail: JCOPELIN54@gmail.com

Certifying Party Name: GES, Inc. (On behalf of PRP Group*)

Address1: 415 Lawrence Dr., Suite 6

Address2: Williamsville, NY 14221

Phone: 800 287 7857 E-mail:

* The PRP group consists of Honeywell Corporation (115 Tabor Road, Morris Plains New Jersey 07950, and National Grid Corp 144 Kensington Ave., Buffalo NY 14244). Leo Mathew Duggan, now deceased, is also believe to have been a member. The selling entity 4100 River Road Properties, LLC was formed by his former estate, and is managed by heirs to his former estate

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: _____ 6/12/22
(Signature) (Date)

Richard E. Stanton
(Print Name)

Address1: 415 Franklin Street

Address2: Buffalo, NY 14202

Phone: 716 603-7865 E-mail: Richard.stanton@yahoo.com

New York State Department of Environmental Conservation
Division of Environmental Remediation
700 Delaware Avenue, Buffalo, NY 14209
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

Basil Seggos
Commissioner

October 18, 2022

Bonnie Leto
Niagara River World, Inc.
4000 River Road, Suite 1
Tonawanda, NY 14150

Re: Change of Use Notification
River Road Site, 915031 &
Roblin Steel (formerly Wickwire Spencer), 915056

Dear Bonnie Leto:

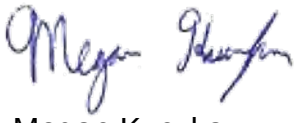
This letter acknowledges receipt of your October 18, 2022 60-Day Advance Notification of Change of Use Form for the above referenced site, wherein the type of change was indicated as a proposed change in ownership of a portion of both the River Road Site and the Roblin Steel (formerly Wickwire Spencer) site, totaling 4.742 acres, and the transfer of the Certificate of Completion. This acknowledgement is not intended to imply approval or concurrence with the proposed change of use.

Please ensure that you submit the post-transfer notice required by 6 NYCRR Part 375-1.11(d)(3)(ii) and 375-1.9(f)(1)(ii) and proof of filing of the Notice of Transfer of the Certificate of Completion. This notification must include the name of the new owner, new owner's contact information, contact representative, {and} contact information for such representative.

Failure to comply with the regulatory requirements of transfer notices may prevent successors and assigns from receiving any rights benefits, or protections as provided by statute or regulation.

If you have any questions or need additional information, you may contact me at the address given above.

Sincerely,



Megan Kuczka
Environmental Program Specialist 1

ec: Andrea Caprio – NYSDEC
Greg Scholand – NYSDEC
Glenn May – NYSDEC
Max Coykendanll – 4100 RR LLC
Sasa Jazic – Honeywell
Brian Stearns – National Grid
Thomas Palmer – GES
Genevieve Bock – GES
Kathy Galanti – GHD

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

60-Day Advance Notification of Site Change of Use, Transfer of Certificate of Completion, and/or Ownership
Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. **Site Name:** Portion of A&B : A. Roblin Steel Site B. River Rd Site **DEC Site ID No.** A.915056 B.915031

II. **Contact Information of Person Submitting Notification:**

Name: BONNIE LETO / NIAGARA RIVER WORLD INC

Address1: 4000 RIVER RD

Address2: SUITE 1 , TONAWANDA , NY 14150

Phone: 716-877-1234 E-mail: bonnieleto@nrwinc.com

III. **Type of Change and Date:** Indicate the Type of Change(s) (check all that apply):

- [x] Change in Ownership or Change in Remedial Party(ies)
- [x] Transfer of Certificate of Completion (CoC)
- [ ] Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 12/1/2022

IV. **Description:** Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

CHANGE IN OWNERSHIP OF A PORTION OF THE ABOVE NAMED SITES AS SHOWN ON THE ~~ATTAHCHED SURVEY /TRANFER OF COC~~

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

V. **Certification Statement:** Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: Bonnie Leto (Signature) 10/18/22 (Date)

BONNIE LETO (Print Name)

Address1: 4000 RIVER ROAD SUITE 1

Address2: TONAWANDA NY 14150

Phone: 716-877-1234 E-mail: bonnieleto@nrwinc.com

VI. **Contact Information for New Owner, Remedial Party, or CoC Holder:** If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

☑ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: 4100 RR LLC OR IT'S ASIGNEE

Address1: C/O MAX COYKENDANLL, ATTY AT LAW

Address2: 800 MAIN STREET, SUITE 4-B 14301

Phone: 716-285-3525 X 121 E-mail: max@maslawpc.com

Certifying Party Name: SAME AS ABOVE

Address1:

Address2:

Phone: E-mail:

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at http://www.dec.ny.gov/chemical/54736.html. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at http://www.dec.ny.gov/chemical/54736.html (see §375-1.9(f)).

Name: Bonnie Leto (Signature) 10/18/22 (Date)

BONNIE LETO (Print Name)

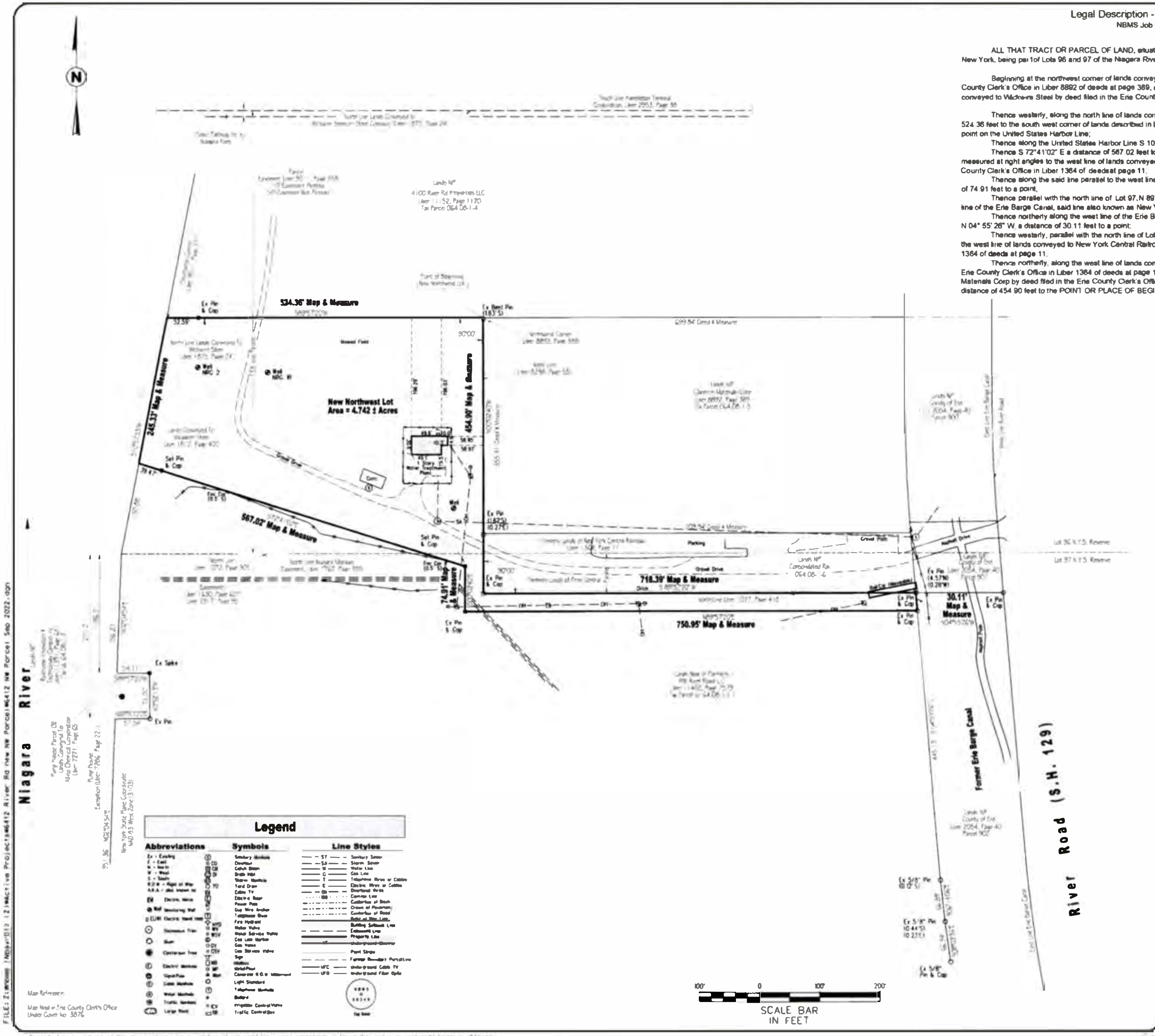
Address1: NIAGARA RIVER WORLD INC

Address2: 4000 RIVER ROAD SUITE 1

Phone: TONAWANDA NY 14150 E-mail: bonnieleto@nrwinc.com

- Site Survey
- **NIAGARA RIVER WORLD, INC.**
- **NYSDEC CERTIFICATE OF COMPLETION (2012)**
- **NYSDEC ENV. EASEMENT (2007)**
- **NYSDEC CONSENT ORDER (2007)**

attached a copy of these documents to the notice



Legal Description - New Northwest Lot

NBMS Job No. 6412-22

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and state of New York, being part of Lots 96 and 97 of the Niagara River Reservation, described as follows:

Beginning at the northwest corner of lands conveyed to Clarence Material Corp by deed filed in the Erie County Clerk's Office in Liber 8892 of deeds at page 389, said point also being a point on the north line of lands conveyed to Wickwire Steel by deed filed in the Erie County Clerk's Office in Liber 1875 of deeds at page 24;

Thence westerly, along the north line of lands conveyed to Wickwire Steel S 89°57'20" W a distance of 524.36 feet to the south west corner of lands described in Liber 9011 of deeds at page 277, said point also being a point on the United States Harbor Line;

Thence along the United States Harbor Line S 10°57'33" W a distance of 245.33 feet to a point;

Thence S 72°41'02" E a distance of 567.02 feet to a point on a line parallel to and 30 feet distant west as measured at right angles to the west line of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of deedsat page 11;

Thence along the said line parallel to the west line of New York Central Railroad, S 00°02'40" E a distance of 74.91 feet to a point;

Thence parallel with the north line of Lot 97, N 89°57'20" E a distance of 750.95 feet to a point on the west line of the Erie Barge Canal, said line also known as New York State Blue Line;

Thence northerly along the west line of the Erie Barge Canal, also known as New York State Blue Line N 04° 55' 26" W, a distance of 30.11 feet to a point;

Thence westerly, parallel with the north line of Lot 97 S 89°57'20" W a distance of 718.39 feet to a point on the west line of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of deeds at page 11;

Thence northerly, along the west line of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of deeds at page 11 and the west line of lands conveyed to Clarence Materials Corp by deed filed in the Erie County Clerk's Office in Liber 8892 of deeds at page 389, N 00°02'40" W a distance of 454.90 feet to the POINT OR PLACE OF BEGINNING. Containing 4.742 acres more or less.

Niagara Boundary
And Mapping Services
E-Mail

Map
Showing Boundary Survey
of
lands to be conveyed
by

Niagara River World, Inc

Deed Reference: Liber 10023, Page 13
Liber 10942 Page 2189
Tax ID: 64.08-1-11

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE AND IS SUBJECT TO ANY STATE OF FACTS THAT MAY BE REVEALED BY AN EXAMINATION OF SUCH.

LOT	SECTION	TOWNSHIP	RANGE
96 & 97 Mile Reserve			

Town	Tonawanda
COUNTY	Erie
STATE	New York
DATE	May 17, 2022
SCALE	1" = 100'
JOB NO.	6412 NW Parcel Sep 2022
REVISIONS	

Kenneth L. Slaugenhoupt Lic. No. 50349

New York State Department of Environmental Conservation
Division of Environmental Remediation
Office of the Director, 12th Floor
625 Broadway, Albany, New York 12233-7011
Phone: (518) 402-9706 • **Fax:** (518) 402-9020
Website: www.dec.ny.gov

O/C

JUL 30 2012

Joe Martens
Commissioner

Ms. Bonnie M. Leto, President
Niagara River World, Inc.
4000 River Road
Tonawanda, New York 14150

Re: Certificate of Completion
Site Name: Roblin Steel (formerly Wickwire Spencer)
Site No. 915056
Tonawanda (T), Erie County

Dear Ms. Leto:

Congratulations on having satisfactorily completed the remedial program at the Roblin Steel (formerly Wickwire Spencer) Site. Enclosed please find an original, signed Certificate of Completion. The New York State Department of Environmental Conservation (Department) is pleased to inform you that with the Final Engineering Report being approved, the Certificate of Completion (COC) can be issued for the above-referenced site.

Please note that you are required to perform the following tasks:

- If you are the site owner, you must record a notice of the COC in the recording office for the County (or Counties) where any portion of the site is located within 30 days of issuance of the COC; or if you are a prospective purchaser of the site, you must record a notice of the COC within 30 days of the date that you acquire the site. If you are a non-owner, you must work with the owner to assure the notice of COC is recorded within the time frame specified. A standard notice form is attached to this letter;
- Issue a fact sheet to the site contact list describing the institutional and engineering controls (IC/ECs, if any) that are required at the site. The fact sheet shall be mailed no sooner than 20 days from the date of this letter; and;
- Implement the Department-approved Site Management Plan (SMP) which details the activities necessary to assure the performance, effectiveness, and protectiveness of the remedial program. You must report the results of these activities to the Department in a Periodic Review Report (PRR) which also includes any required IC/EC certifications. The site IC/ECs are identified on the attached Site Management Form. The next PRR including the certification of the IC/ECs is due to the Department in February 2013.

If you have any questions regarding any of these items, please contact Mr. Glenn M. May at 716-851-7220.

Sincerely,

Robert W. Schick, P.E.
Acting Director
Division of Environmental Remediation

NIAGARA RIVER WORLD, INC.

NYSDEC CERTIFICATE OF COMPLETION (2012)

NYSDEC ENV. EASEMENT (2007)

NYSDEC CONSENT ORDER (2007)

Enclosures

ec:

K. Anders – NYSDOH
M. Forcucci – NYSDOH
Glenn May –DEC
Greg Sutton –DEC
Mike Cruden –DEC
Maura Desmond, Esq. - DEC

NYSDEC STATE SUPERFUND PROGRAM (SSF)

CERTIFICATE OF COMPLETION

CERTIFICATE HOLDER(S):

Name	**Address**
Niagara River World, Inc.	4000 River Road, Tonawanda, NY 14150

SITE INFORMATION

Site No.: 915056 **Site Name:** Roblin Steel (formerly Wickwire Spencer)
Order on Consent: Index No. B9-0407-92-05A **Order Execution Date:** September 21, 2007
Site Owner: Niagara River World
Street Address: 4000 River Road
Municipality: Tonawanda **County:** Erie **DEC Region:** 9
Site Size: 62.000 Acres
Tax Map Identification Number(s): 64.08-1-1.1, 64.08-1-1.2

A description of the property subject to this Certificate is attached as Exhibit A and a site survey is attached as Exhibit B.

CERTIFICATE ISSUANCE

This Certificate of Completion, hereinafter referred to as the "Certificate," is issued pursuant to 6 NYCRR §375-1.9.

This Certificate has been issued upon satisfaction of the Commissioner, following review by the Department of the final engineering report and data submitted pursuant to the Order on Consent as well as any other relevant information regarding the Site, that the applicable remediation requirements set forth in the Environmental Conservation Law (ECL) and 6NYCRR Part 375 have been or will be achieved in accordance with the time frames, if any, established in the remedial work plan.

The remedial program for the Site has achieved a cleanup level that would be consistent with the following categories of uses:

Allowable Uses under the SSF: Commercial and Industrial

The Remedial Program includes use restrictions or reliance on the long term employment of institutional or engineering controls which are contained in the approved Site Management Plan and an Environmental Easement granted pursuant to ECL Article 71, Title 36 which has been duly recorded in the Recording Office for Erie County with recording identifier 2007251593.

LIABILITY LIMITATION

Upon issuance of this Certificate of Completion, and subject to the terms and conditions set forth herein, the Certificate holder(s) shall be entitled to the liability limitation provided in 6NYCRR §375-2.9. The liability limitation shall run with the land, extending to the Certificate holder's successors or assigns through acquisition of title to the Site and to a person who develops or otherwise occupies the Site, subject to certain limitations as set forth in 6NYCRR §375-2.9(d). The liability limitation shall be subject to all rights reserved to the State by ECL §27-1321 and any other applicable provision of law.

CERTIFICATE TRANSFERABILITY

This Certificate may be transferred to the Certificate holder's successors or assigns upon transfer or sale of the Site as provided by 6NYCRR §375-1.9(f)-(g).

CERTIFICATE MODIFICATION/REVOCATION

This Certificate of Completion may be modified or revoked by the Commissioner following notice and an opportunity for a hearing in accordance with 6NYCRR §375-1.9(e)(2) upon a finding that:

(1) the remedial party has failed to manage the controls or monitoring in full compliance with the terms of the approved remedial program;

(2) there has been a failure to comply with the terms and conditions of the order;

(3) there was a misrepresentation of a material fact tending to demonstrate that the cleanup levels were reached;

(4) the terms and conditions of any environmental easement have been intentionally violated or found to be not protective or enforceable;

(5) for good cause;

(6) environmental contamination at, on, under, or emanating from the site if, in light of such conditions, the site is no longer protective of public health or the environment, and the remedial party is not in good faith negotiating, and/or following its approval by the Department, implementing a work plan to achieve conditions at the site which are protective of public health and the environment;

(7) non-compliance with the terms of the order, the remedial work plan, site management plan, or the certificate of completion after notice of the failure and reasonable opportunity to cure has been afforded to the remedial party by the Department as provided for at paragraph 375-1.9(e)(2);

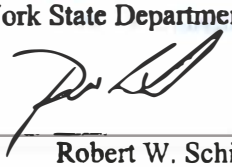
(8) fraud related to the remedial program for the site committed by the certificate holder;

(9) a finding by the Department that a change in an environmental standard, factor, or criterion upon which the remedial work plan was based renders the remedial program implemented at the site no longer protective of public health or the environment, and the remedial party is not in good faith negotiating, and/or following its approval by the Department, implementing a work plan to achieve conditions at the site which are protective of public health and the environment; or

(10) a change in the site's use subsequent to the Department's issuance of the certificate of completion, unless additional remediation is undertaken which shall meet the standard for protection of the public health and environment that applies to this site.

The Certificate holder(s) (including its successors or assigns) shall have thirty (30) days within which to cure any deficiency or to seek a hearing. If the deficiency is not cured or a request for a hearing received within such 30-day period, the Certificate shall be deemed modified or vacated on the 31st day after the Department's notice.

Joseph J. Martens
Commissioner
New York State Department of Environmental Conservation

By:  Date: July 30, 2012

Robert W. Schick, P.E., Acting Director
Division of Environmental Remediation

NOTICE OF CERTIFICATE OF COMPLETION
Inactive Hazardous Waste Disposal Site Program
Pursuant to 6 NYCRR Part 375-1.9(d)

Roblin Steel (formerly Wickwire Spencer), Site No. 915056
4000 River Road, Tonawanda, Erie County, New York, 14150
Tax Map Identification Numbers 64.08-1-1.1 & 64.08-1-1.2

PLEASE TAKE NOTICE, the New York State Department of Environmental Conservation (Department) has issued a Certificate of Completion (Certificate) pursuant to 6 NYCRR Part 375 to Niagara River World, Inc. for two parcels approximately 62.0 acres in size located at 4000 River Road in the Town of Tonawanda, Erie County.

PLEASE TAKE NOTICE, the Certificate was issued upon satisfaction of the Commissioner, following review by the Department of the final engineering report and data submitted pursuant to the Order on Consent, as well as any other relevant information regarding the Site, that the remediation requirements set forth in ECL Article 27, Title 13 have been or will be achieved in accordance with the time frames, if any, established in the remedial work plan.

PLEASE TAKE NOTICE, the remedial program for the Site has achieved a cleanup level that would be consistent with the following categories of uses (actual site use is subject to local zoning requirements):

- ☐ Residential Use, as set forth in 6 NYCRR 375-1.8(g)(2)i.
- ☐ Restricted Residential Use, as set forth in 6 NYCRR 375-1.8(g)(2)ii.
- ■ Commercial Use, as set forth in 6 NYCRR 375-1.8(g)(2)iii.
- ■ Industrial Use, as set forth in 6 NYCRR 375-1.8(g)(2)iv.

Further, the use of groundwater is restricted and may not be used, unless treated in accordance with the requirements provided by the New York State Department of Health, or a local County Health Department with jurisdiction in such matters and such is approved by the Department as not inconsistent with the remedy.

PLEASE TAKE NOTICE, since the remedial program relies upon use restrictions or the long term employment of institutional or engineering controls; such institutional or engineering controls are contained in an Environmental Easement granted pursuant to ECL Article 71, Title 36 which has been duly recorded in the Recording Office for Erie County as 11137-6723.

PLEASE TAKE NOTICE, the Environmental Easement requires that the approved site management plan (SMP) for this property be adhered to. The SMP, which may be amended from time to time, may include sampling, monitoring, and/or operating a treatment system on the property, providing certified reports to the NYSDEC, and generally provides for the management of any and all plans and limitations on the property. A copy of the SMP is available upon request by writing to the Department's Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, New York 12233.

PLEASE TAKE NOTICE, provided that the Environmental Easement, SMP and Certificate are complied with, the Certificate holder(s) shall be entitled to the liability limitation provided in 6 NYCRR Part 375-2.9. The liability limitation shall run with the land, extending to the Certificate holder's successors or assigns through acquisition of title to the Site and to a person who develops or otherwise occupies the Site, subject to certain limitations as set forth in 6 NYCRR Part 375-2.9. The liability limitation shall be subject to all rights reserved to the State by 6 NYCRR Part 375-2.9 and any other applicable provision of law.

PLEASE TAKE NOTICE, any change of use of the site, as defined in 6 NYCRR 375, must be preceded by notice to the Department in accordance with 6 NYCRR 375-1.11(d). A transfer of any or all of

the property constitutes a change of use.

PLEASE TAKE NOTICE, the Certificate may only be transferred to the Certificate holder's successors or assigns upon transfer or sale of the Site as provided by 6 NYCRR Part 375-1.9. Failure to comply with the regulatory requirements for transfer **WILL** bar the successors and assigns from the benefits of the Certificate.

PLEASE TAKE NOTICE, the Certificate may be modified or revoked by the Commissioner as set forth in the applicable regulations.

PLEASE TAKE NOTICE, the Certificate may be revoked if the Environmental Easement as implemented, if applicable, is not protective or enforceable.

PLEASE TAKE NOTICE, a copy of the Certificate can be reviewed at the NYSDEC's Region 9 office located at 270 Michigan Avenue, Buffalo, New York, by contacting the Regional Environmental Remediation Engineer.

WHEREFORE, the undersigned has signed this Notice of Certificate

(*Remedial Party*)

By: Bonnie M Leto

Title: President

Date: August 6, 2012

STATE OF NEW YORK) SS:
COUNTY OF Niagara)

On the 6th day of August, in the year 2012, before me, the undersigned, personally appeared Bonnie M Leto, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Bethany Kish

Signature and Office of individual taking acknowledgment

Please record and return to:
Bonnie M. Leto, President
Niagara River World, Inc.
Tonawanda, New York 14150

12/03/09

BETHANY KISH
Notary Public, State of New York
Qualified in Erie County
My commission expires FEBRUARY 13th, 2016

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Form
7/3/2012

SITE DESCRIPTION

SITE NO. **915056**

SITE NAME Roblin Steel (formerly Wickwire Spencer)

SITE ADDRESS: 4000 River Road ZIP CODE: 14150

CITY/TOWN: Tonawanda

COUNTY: Erie

ALLOWABLE USE: Commercial and Industrial

SITE MANAGEMENT DESCRIPTION

SITE MANAGEMENT PLAN INCLUDES:	YES	NO
IC/EC Certification Plan	☑	☐
Monitoring Plan	☑	☐
Operation and Maintenance (O&M) Plan	☐	☑

Periodic Review Frequency: 1 year

Periodic Review Report Submittal Date: 02/14/2013

Description of Institutional Control

Niagara River World, Inc.
4002 River Road
Environmental Easement
Block: 1
Lot: 1
Sublot: 1
Section: 64
Subsection: 08
S_B_L Image: 64.08-1-1.1
Ground Water Use Restriction
IC/EC Plan
Landuse Restriction
Monitoring Plan
Site Management Plan

Sublot: 2
Section: 64
Subsection: 08
S_B_L Image: 64.08-1-1.2

Ground Water Use Restriction

IC/EC Plan

Landuse Restriction

Monitoring Plan

Site Management Plan

Description of Engineering Control

Niagara River World, Inc.
4002 River Road
Environmental Easement
Block: 1
Lot: 1
Sublot: 1
Section: 64
Subsection: 08
S_B_L Image: 64.08-1-1.1
Fencing/Access Control

Sublot: 2
Section: 64
Subsection: 08
S_B_L Image: 64.08-1-1.2
Fencing/Access Control

Exhibit A

Schedule A

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lots 96 and 97 of the Niagara River Reservation, described as follows:

Beginning at the southwest corner of lands conveyed to Marathon Petroleum Company by deed filed in the Erie County Clerk's Office Liber 9184 of Deeds at Page 346, said point being a point on the south line of lands conveyed to Wickwire Spencer Steel Corporation by deed filed in the Erie County Clerk's Office in Liber 1536 of Deeds at Page 196;

Thence northwesterly along the easterly line of lands conveyed to Marathon Petroleum Company bearing N 28° 42' 23" W, a distance of 907.38 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 134° 06' 15" on a bearing of N 74° 36' 08" W, a distance of 379.06 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 184° 02' 45" on a bearing of N 70° 33' 23" W, a distance of 99.01 feet to a point on the United States Harbor line, said Point being northwest corner of lands conveyed to Marathon Petroleum Company;

Thence northerly along the United States Harbor line bearing N 02° 04' 54" E, a distance of 951.36 feet to the south line of "Pump House Parcel" Parcel 3 of lands conveyed to Allied Chemical Corporation by deed filed in the Erie County Clerk's Office in Liber 7271 of Deeds at Page 65, said point being 271 feet south of the north line of Lot 97 as measured at right angles therefrom;

Thence easterly parallel with the north line of Lot 97, N 89° 57' 20" E, a distance of 57.54 feet to a point;

Thence northerly on a bearing of N 0° 02' 40" W a distance of 75.00 feet to a point, said point being 196.0 feet south of the north line of Lot 97 as measured at right angles therefrom;

Thence westerly parallel with the north line of Lot 97, S 89° 57' 20" W, a distance of 54.11 feet to a point on the United States Harbor Line;

Thence northerly along the United States Harbor Line, N 02° 04' 54", E, a distance of 196.2 feet to an angle point on the United States Harbor Line, said point being on the north line of Lot 97

Thence continuing northerly along the United Sates Harbor Line on a bearing N 10° 57' 33" E, a distance of 396.21 feet to the southwest corner of lands conveyed to L. Matthew Duggan, Jr., by deed filed in the Erie County Clerk's Office in Liber 9011 of Deeds at Page 277;

Thence easterly parallel with the south line of Lot 96 along the south line of lands conveyed to L. Matthew Duggan, Jr. on a bearing N 89° 57' 20" E, a distance of 524.36 feet to the northwest corner of lands conveyed to Clarence Materials Corporation by deed filed in the Erie County Clerk's Office in Liber 8892 of Deeds at Page 389;

Thence southerly at right angles to the south line of Lot 96, along the west line of Clarence Materials corporation, bearing S 00° 02' 40" E, a distance of 454.91 feet to the southwest corner of lands conveyed to New York's Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at Page 11;

Thence easterly parallel to the north line of Lot 97 along the south line of New York Central Railroad on a bearing N 89° 57' 20" E, a distance of 718.39 feet to a point on the west line of the Erie Barge Canal, said line also known as New York State Blue Line;

Thence southerly the following eight (8) courses and distances along the west line of the Erie Barge Canal, also known as New York State Blue Line:

1) S 04° 55' 26" E, a distance of 475.24 feet to a point
2) S 04° 14' 06" E, a distance of 66.89 feet to a point
3) S 08° 03' 36" E, a distance of 66.94 feet to a point
4) S 09° 46' 56" E, a distance of 661.66 feet to a point
5) S 13° 37' 36" E, a distance of 67.53 feet to a point
6) S 15° 15' 36" E, a distance of 66.95 feet to a point
7) S 16° 43' 16" E, a distance of 66.64 feet to a point
8) S 17° 50' 47" E, a distance of 392.35 feet to a Point on the South line of lands conveyed to Wickwire Spencer Steel Corporation;

Thence westerly along the South line of Wickwire Spencer Steel Corporation on a bearing of S 72° 11' 19" W a distance of 851.82 feet to the point or place of beginning, containing 62.480 acres, more or less.

ALSO INCLUDING

Parcel 2

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and state of New York, being part of Lots 96 and 97 of the Niagara River Reservation, described as follows:

Beginning at the intersection of the west line of River Road (S.H. 129) and the south line of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at Page 11;

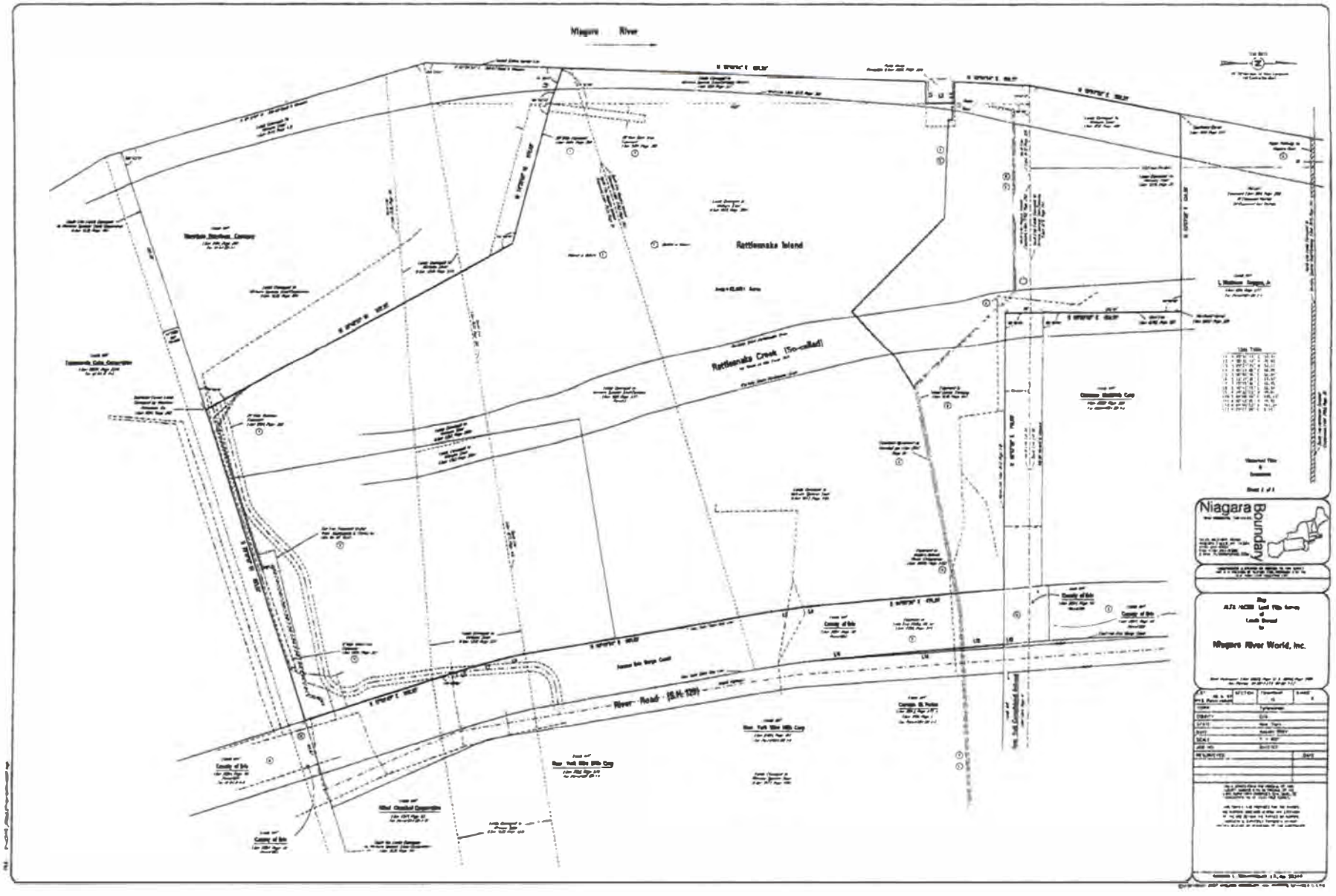
Thence southerly along the west line of River Road S 04° 00' 10" E, a distance of 480.13 feet more or less to the east line of the Erie Barge Canal, also known as the New York State Blue Line;

Thence northerly along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 06° 12' 26" W, a distance of 19.53 feet;

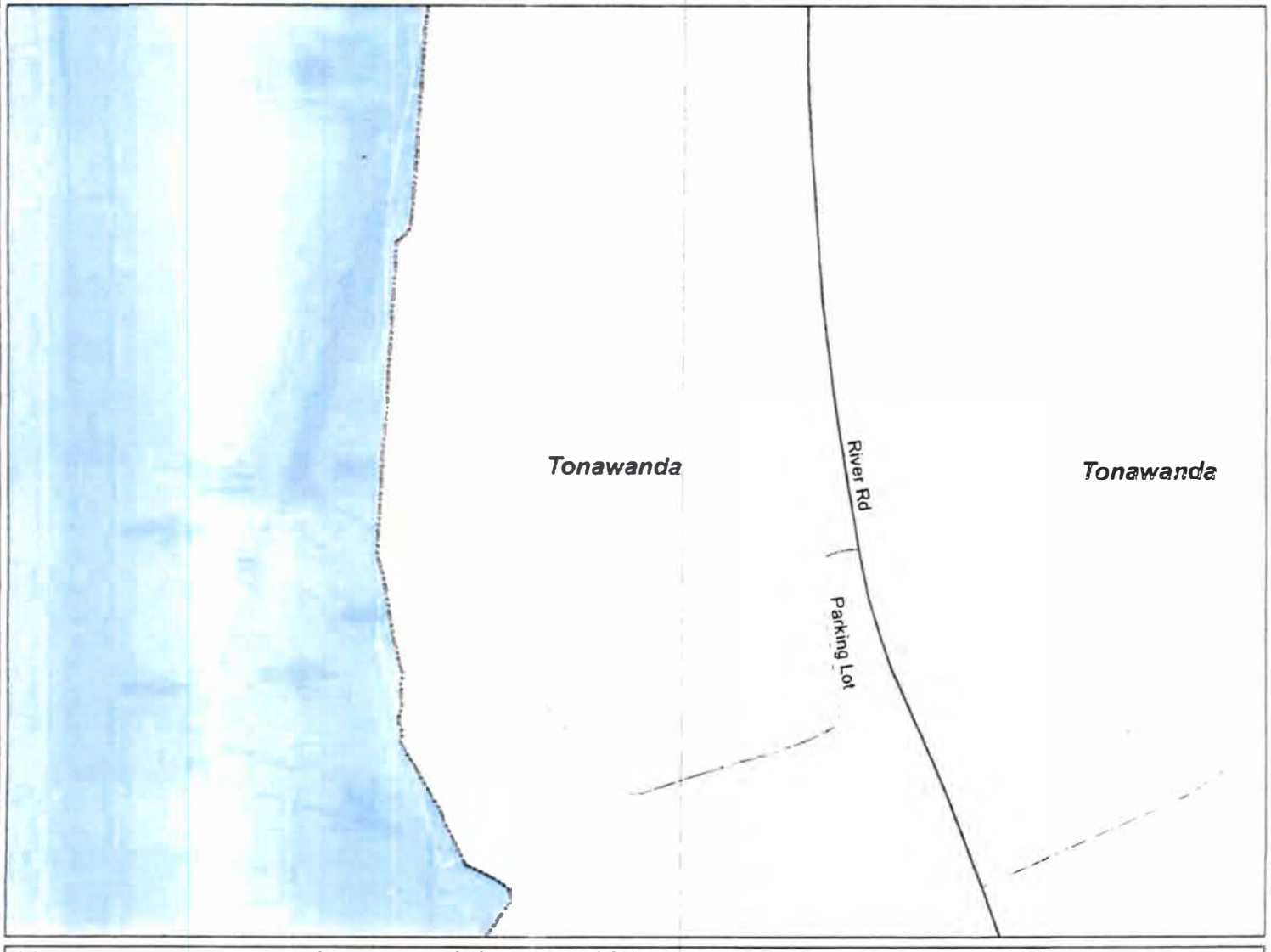
Thence continuing north along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 04° 55' 53" W, a distance of 461.24 feet to a point on the south line of lands conveyed to the New York Central Railroad;

Thence easterly along the southerly line of New York Central Railroad on a bearing N 89° 57' 20" E, a distance of 8.25 feet to the point or place of beginning, containing 2,075 square feet or 0.048 acre, more or less.

Exhibit B


Niagara River
Rattlesnake Island
Rattlesnake Creek (So-called)
River Road (S.H. 429)
Niagara Boundary
Niagara River World, Inc.

Erie County On-Line Mapping System



Legend

Streets and Highways

- Interstate
- Primary State Road
- Secondary State Road
- County Road
- Local Road

Parcels

1: 6,324

Notes

Roblin Steel Site Property Map

0.2 0 0.10 0.2 Miles

ERIE COUNTY, NEW YORK
DEPARTMENT OF ENVIRONMENT & PLANNING
OFFICE OF GEOGRAPHIC INFORMATION SERVICES

CHRISTOPHER L. JACOBS, ERIE COUNTY CLERK

NIAGARA RIVER WORLD INC
ACCOUNT #:
RECEIPT: 12134299
DATE: 8/29/2012 TIME: 12:44:39 PM

ITEM - 01 740
RECD: 8/29/2012 12:44:39 PM
FILE: 2012195691 BK/PG D 11228/7966
NEW YORK STATE DEPT OF ENVIRONMENTAL CONSERV
ATION
NIAGARA RIVER WORLD INC
Recording Fees 95.00
Sub. Total 95.00

TOTAL DUE	$95.00
PAID TOTAL	$95.00
PAID CHECK	95.00
Check #1522:	95.00

REC BY: Nancy
COUNTY RECORDER

County: Erie Site No: #915056 Order No: B9-0407-92-05

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 21st day of November, 2007, between Owner NIAGARA RIVER WORLD, INC., or having an office at 4000 River Road, Town of Tonawanda, New York 14150 (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of environmental easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and of ensuring the potential restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that environmental easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and;

WHEREAS, Grantor, is the owner of real property located at 4000 River Road, Town of Tonawanda, Erie County, New York being part of Lots Nos. 96 and 97 of the Niagara River Reservation, known and designated on the tax map of the County of Erie as tax map parcels bearing SBL Nos. 64.08-1-1.1 and 64.08-1-1.2, containing 62.34 acres more or less, and being the same property conveyed to Grantor by deed dated April 3, 1989 and recorded May 17, 1989 and recorded in the Office of the Clerk of the County of Erie in Liber 10023 of Deeds at page 13, and by deed, dated November 10, 1998 and recorded November 19, 1998 in the Office of the Clerk of the County of Erie in Liber 10942 of Deeds at page 2189. The referenced property is hereinafter more fully described in Schedule A attached hereto and made a part hereof (the " Controlled Property"); and;

WHEREAS, the Commissioner does hereby acknowledge that the Department accepts this Environmental Easement in order to ensure the protection of human health and the environment and to achieve the requirements for remediation established at this Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36;and

NOW THEREFORE, in consideration of the covenants and mutual promises contained herein and the terms and conditions of Order on Consent Number B9-0407-92-05, Site #915056 Grantor grants, conveys and releases to Grantee a permanent Environmental Easement pursuant to Article 71, Title 36 of the ECL in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

A. The Controlled Property may be used for restricted commercial and industrial use as long as the following long-term engineering controls are employed:

(I) restrict the use of site groundwater as a source of potable or process water without necessary water quality treatment as determined by the Erie County Department of Health;

(ii) any proposed soil excavation on the property requires prior notification and prior approval of NYSDEC in accordance with the Site Management Plan approved by NYSDEC for this Controlled Property. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and

(iii) evaluate the potential for vapor intrusion for any buildings developed on the site. Provision for mitigation, such as installation of a vapor barrier and sub-slab vapor system or other engineering controls shall be implemented on all structures, prior to occupancy.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated November 2007 ("SMP"). The SMP describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The Department may change the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. The Grantor and all successors and

assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer
Region 9
NYS Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203
or:

Site Control Section
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway
Albany, New York 12233

B. The Controlled Property may not be used for a higher level of use such as unrestricted or residential use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant of Title 36 to Article 71 of the Environmental Conservation Law.

D. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

E. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Controlled Property, including:

1. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

2. The right to give, sell, assign, or otherwise transfer the underlying fee interest to the Controlled Property by operation of law, by deed, or by indenture, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This environmental easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this environmental easement that: it is not appurtenant to an interest in real property it;is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person intentionally violates this environmental easement, the Grantee may revoke the Certificate of Completion provided under ECL Article 27, Title 14, or Article 56, Title 5 with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach. Grantor shall then have a reasonable amount of time from receipt of such notice to cure. At the expiration of said second period, Grantee may commence any proceedings and take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement in accordance with applicable law to require compliance with the terms of this Environmental Easement.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar its enforcement rights in the event of a subsequent breach of or noncompliance with any of the terms of this Environmental easement.

6. Notice. Whenever notice to the State (other than the annual certification) or approval from the State is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:
County, NYSDEC Site Number, NYSDEC Order Number.

County: Erie Site No: #915056 Order No: B9-0407-92-05

Parties shall address correspondence to: Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

Such correspondence shall be delivered by hand, or by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. This environmental easement may be amended only by an amendment executed by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This environmental easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

NIAGARA RIVER WORLD, INC.

By: Bonnie M Leto

Title: Vice-President

STATE OF FLORIDA)
)ss
COUNTY OF BREVARD)

On the 15 day of November, in the year 2007 before me, the undersigned, personally appeared BONNIE M. LETO, personally known to me who, being duly sworn, did depose and say that he/she/they reside at 821 HARVEY RD GRAND ISLAND NY (full mailing address) and that he/she/they is (are) the VICE PRESIDENT (President or other officer or director or attorney in fact duly appointed of the NIAGARA RIVER WORLD, INC., the corporation described in and which executed the above instrument; and that he/she/they signed his/her/their name(s) thereto by the authority of the board of directors of said corporation.

Norine E Lester

Notary Public - State of ~~New York~~ FLORIDA

NORINE E. LESTER
Notary Public - State of Florida
My Commission Expires Jul 4, 2010
Commission # DD 670167

County: Erie Site No: #915056 Order No: B9-0407-92-05

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation

by: _____
Alexander B. Gramis, Commissioner

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Albany)

On the 21st day of November, in the year 2007 before me, the undersigned, personally appeared Alexander B. Gramis personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

ALAN T. MICHAELS
Notary Public, State of New York
No. 02MI6092164
Qualified in Rensselaer County
Commission Expires May 12, 20[illegible]

EDMS: 284106

Issued By:
TICOR TITLE INSURANCE COMPANY

Schedule A (cont'd)

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No: 5007-41667

PARCEL "1"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lots Nos. 96 and 97 of the Niagara River Reservation, described as follows:

BEGINNING at the southwest corner of lands conveyed to Marathon Petroleum Company by deed filed in the Erie County Clerk's Office in Liber 9184 of Deeds at Page 346, said point being a point on the south line of lands conveyed to Wickwire Spencer Steel Corporation by deed filed in the Erie County Clerk's Office in Liber 1536 of Deeds at Page 195;

Thence northwesterly along the easterly line of lands conveyed to Marathon Petroleum Company bearing N 28° 42' 23" W, a distance of 907.38 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 134° 06' 15" on a bearing of N 74° 35' 08" W, a distance of 379.06 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 184° 02' 45" on a bearing of N 70° 33' 23" W, a distance of 99.01 feet to a point on the United States Harbor line, said point being northwest corner of lands conveyed to Marathon Petroleum Company;

Thence northerly along the United States Harbor line bearing N 02° 04' 54" E, a distance of 951.36 feet to the south line of "Pump House Parcel" Parcel 3 of lands conveyed to Allied Chemical Corporation by deed filed in the Erie County Clerk's Office in Liber 7271 of Deeds at page 65, said point being 271 feet south of the north line of Lot 97 as measured at right angles therefrom;

Thence easterly parallel with the north line of Lot 97, N 89° 57' 20" E, a distance of 57.54 feet to a point;

Thence northerly on a bearing of N 0° 02' 40" W a distance of 75.00 feet to a point, said point being 196.0 feet south of the north line of Lot 97 as measured at right angles therefrom;

Thence westerly parallel with the north line of Lot No. 97, S 89° 57' 20", a distance of 54.11 feet to a point on the United States Harbor line;

Thence northerly along the United States Harbor Line, N 02° 04' 54" E, a distance of 195.2 feet to an angle point on the United States Harbor Line, said point being on the north line of Lot 97;

Thence continuing northerly along the United States Harbor line on a bearing N 10° 57' 33" E, a distance of 996.21 feet to the southwest corner of lands conveyed to L. Matthew Duggan, Jr., by deed filed in the Erie County Clerk's Office in Liber 9011 of Deeds at page 277;

Thence easterly parallel with the south line of Lot 96 along the south line of lands conveyed to L. Matthew Duggan, Jr. on a bearing N 89° 57' 20" E, a distance of 524.36 feet to the northwest corner of lands conveyed to Clarence Materials Corporation by deed filed in the Erie County Clerk's Office in Liber 8892 of Deeds at page 389;

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No: 5007-41667

Thence southerly at right angles to the south line of Lot 96, along the west line of Clarence Materials Corporation, bearing S 00° 02' 40" E, a distance of 454.91 feet to the southwest corner of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at page 11;

Thence easterly parallel to the north line of Lot 97 along the south line of New York Central Railroad on a bearing N 89° 57' 20" E, a distance of 718.39 feet to a point on the west line of the Erie Barge Canal, said line also known as New York State Blue Line;

Thence southerly the following eight (8) courses and distances along the west line of the Erie Barge Canal, also known as New York State Blue line:

1. S 04° 55' 26" E, a distance of 475.24 feet to a point
2. S 04° 14' 06" E, a distance of 86.89 feet to a point
3. S 08° 03' 36" E, a distance of 68.94 feet to a point
4. S 09° 46' 56" E, a distance of 661.66 feet to a point
5. S 13° 37' 38" E, a distance of 67.53 feet to a point
6. S 15° 15' 36" E, a distance of 66.95 feet to a point
7. S 16° 43' 16" E, a distance of 68.84 feet to a point
8. S 17° 50' 47" E, a distance of 392.35 feet to a point on the South line of lands conveyed to Wickwire Spencer Steel Corporation.

Thence westerly along the South line of Wickwire Spencer Steel Corporation on a bearing of S 72° 11' 19" W, a distance of 851.82 feet to the point or place of beginning, containing 62.480 acres, more or less.

PARCEL "2"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lots Nos. 96 and 97 of the Niagara River Reservation, described as follows:

BEGINNING at the intersection of the west line of River Road (S.H. 129) and the south line of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at Page 11;

Thence southerly along the west line of River Road S 04° 00' 10" E, a distance of 480.13 feet more or less to the east line of the Erie Barge Canal, also known as the New York State Blue Line;

Thence northerly along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 06° 12' 28" W, a distance of 19.53 feet;

Thence continuing north along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 04° 56' 53" W, a distance of 461.24 feet to a point on the south line of lands conveyed to the New York Central Railroad;

Thence easterly along the southerly line of New York Central Railroad on a bearing N 89 ° 57' 20" E, a distance of 8.25 feet to the point or place of beginning, containing 2.075 square feet or 0.048 acres, more or

Issued By:
TICOR TITLE INSURANCE COMPANY

Schedule A (cont'd)

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No: 5007-41667

less.

23-97-1

STATE OF NEW YORK COUNTY OF ERIE, ss.
I, KATHLEEN C. HOCHUL, Clerk of said County and also Clerk of Supreme and County Courts of said County, do hereby certify that I have compared the annexed copy with the original Easement filed in my office and that the same is a correct transcript therefrom and of the whole of said original.
WITNESS my hand and seal of said County and Courts on the day of NOV 26 2007 20

/s/ Kathleen C. Hochul
COUNTY CLERK

511A5 8/98 DMC LPM 09/26/07 13:57:22

NOV-26-2007 17:22

MISERENDINO, CELNIKER, SEEGERT & ESTOFF, P.C.
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964 ELLICOTT SQUARE BUILDING
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NORTH BUFFALO OFFICE
1413 Hertel Avenue
Buffalo, New York 14216
(716) 362-0599

ANGOLA OFFICE
905 Lake Street
Angola, New York 14006
(716) 549-1716

October 19, 2007

Bonnie Leto
Niagara River World, Inc.
4000 River Road
Tonawanda, NY 14150

RE: Niagara River World
Index No. B9-0407-92-05
Our File No. 07-050

Dear Bonnie:

I enclose herewith a copy of the fully signed Consent Order in the above referenced matter together with Joe Hausbeck's transmittal letter. Pursuant to our telephone conversation, please review the Order for any additional items that are due within the time frames set forth therein and make sure we are in agreement with the DEC that everything has, in fact, been submitted other than, of course, our payments.

Call if you have any questions.

Very truly yours,

MISERENDINO, CELNIKER,
SEEGERT & ESTOFF, P.C.

Jonathan D. Estoff/lls
JONATHAN D. ESTOFF

JDE/lls

Encs.

New York State Department of Environmental Conservation
Division of Environmental Enforcement
Western Field Unit
270 Michigan Avenue, Buffalo, New York 14203-2999
Phone: (716) 851-7050 • **FAX:** (716) 851-7067
Website: www.dec.ny.gov

Alexander B. Grannis
Commissioner

October 4, 2007

Jonathan D. Estoff, Esq.
Miserendino, Celniker, Seegert & Estoff, P.C.
964 Ellicott Square Building
295 Main Street
Buffalo, New York 14203

Re: Niagara River World/Roblin Steel Site
Your File # 07-050
Index # B9-0407-92-05
Site # 915056

Dear Mr. Estoff:

Enclosed please find an executed original of the Order on Consent and Administrative Settlement ("Order") with respect to the above site. The Order was effective as of October 1, 2007.

Once again, thank you for your courtesy and cooperation throughout this matter.

Very truly yours,

Joseph J. Hausbeck
Senior Attorney

JJH:h:k
C:H118
Enclosure

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

In the Matter of the
Development and Implementation
of a Remedial Program for an
Inactive Hazardous Waste Disposal
Site under Article 27, Title 13
of the Environmental Conservation Law
by

NIAGARA RIVER WORLD, INC.,

Respondent.

ORDER ON CONSENT and ADMINISTRATIVE SETTLEMENT

Index # B9-0407-92-05A

Site # 915056

WHEREAS,

1. A. The New York State Department of Environmental Conservation ("Department") is responsible for inactive hazardous waste disposal site remedial programs pursuant to Article 27, Title 13 of the Environmental Conservation Law ("ECL") and Part 375 of Title 6 of the Official Compilation of Codes, Rules and Regulations ("6 NYCRR") and may issue orders consistent with the authority granted to the Commissioner by such statute.

B. The Department is responsible for carrying out the policy of the State of New York to conserve, improve and protect its natural resources and environment and control water, land, and air pollution consistent with the authority granted to the Department and the Commissioner by Article 1, Title 3 of the ECL.

C. This Order is issued pursuant to the Department's authority under, *inter alia,* ECL Article 27, Title 13 and ECL 3-0301, and resolves Respondent's liability to the State as provided at 6 NYCRR 375-1.5(b)(5).

2. Niagara River World, Inc. ("Respondent") is a corporation duly organized and existing under the laws of the State of New York. Respondent owns the real property (hereinafter the "Site") located on River Road in the Town of Tonawanda, County of Erie, NY. The Site is comprised of approximately 62.34 acres (assigned tax map identification #s 64.08-1-1.1 and 64.08-1-1.2 on the tax map of Erie County) less an irregular shaped parcel in the northwest corner of such acreage, currently occupied by a treatment plant, which parcel was included as part of Site #915063 (the "River Road/Cherry Farms" site) on the *Registry of Inactive Hazardous Waste Disposal Sites in New York.* A map of the Site covered by this Order, showing its general location, is attached as Exhibit "A".

The Site is formally referred to as the Roblin Steel property and it includes a sub-site known as the Envirotek II site. The Envirotek II sub-site comprises approximately 2.5 acres and was occupied during the 1980's as a chemical waste treatment and disposal facility.

The Envirotek II sub-site is subdivided into three (3) Operable Units (OUs), all of which were the subject of a Record of Decision (ROD) issued in March 2005. The ROD selected *No Further Action* alternatives for OU #1 and OU #2, where an IRM waste removal action and an IRM soil removal action, respectively, had been completed. For the subject of this Order, OU #3, the ROD selected Monitored Natural Attenuation as the remedy. This includes development of a groundwater monitoring program, including sampling of monitoring wells and periodic reporting and evaluating. It also includes development and implementation of a Site Management Plan (SMP) which includes a Soils Management Plan and an Environmental Easement.

3. The Site is currently listed in the *Registry of Inactive Hazardous Waste Disposal Sites in New York State* as Site Number 915056 with a Classification "2" pursuant to ECL 27-1305 and is known as the Roblin Steel Site.

4. Respondent consents to the issuance of this Order without (i) an admission or finding of liability, fault, wrongdoing, or violation of any law, regulation, permit, order, requirement, or standard of care of any kind whatsoever; (ii) an acknowledgment that there has been a release or threatened release of hazardous waste at or from the Site; and/or (iii) an acknowledgment that a release or threatened release of hazardous waste at or from the Site constitutes a significant threat to the public health or environment.

5. Solely with regard to the matters set forth below, Respondent hereby waives any right to a hearing as may be provided by law, consents to the issuance and entry of this Order, and agrees to be bound by its terms. Respondent consents to and agrees not to contest the authority or jurisdiction of the Department to issue or enforce this Order, and agrees not to contest the validity of this Order or its terms or the validity of data submitted to the Department by Respondent pursuant to this Order.

NOW, having considered this matter and being duly advised, **IT IS ORDERED THAT**:

I. Initial Submittal

Within thirty (30) Days after the effective date of this Order, Respondent shall submit to the Department a Records Search Report prepared in accordance with Exhibit "B" attached hereto. The Records Search Report can be limited if the Department notifies Respondent that prior submissions satisfy specific items required for the Records Search Report.

II. Development, Performance, and Reporting of Work Plans

A. Work Plans

All activities at the Site that comprise any element of an Inactive Hazardous Waste Disposal Site Remedial Program shall be conducted pursuant to one or more Department-approved work plans ("Work Plan" or "Work Plans") and this Order and all activities shall be consistent with the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 C.F.R. Part 300, as required under CERCLA, 42 U.S.C. § 9600 *et seq*. The Work Plan(s) under this Order shall address both on-Site and off-Site conditions and shall be developed and implemented in accordance with 6 NYCRR § 375-1.6(a). All Department-approved Work Plans shall be incorporated into and become enforceable parts of this Order. Upon approval of a Work Plan by the Department, Respondent shall implement such Work Plan in accordance with the schedule contained therein. Nothing in this Subparagraph shall mandate that any particular Work Plan be submitted.

Each Work Plan submitted shall use one of the following captions on the cover page:

1. Site Characterization ("SC") Work Plan: a Work Plan whose objective is to identify the presence of any hazardous waste disposal at the Site,

2. Remedial Investigation/Feasibility Study ("RI/FS") Work Plan: a Work Plan whose objective is to perform a Remedial Investigation and a Feasibility Study;

3. Interim Remedial Measure ("IRM")Work Plan: a Work Plan whose objective is to provide for an Interim Remedial Measure;

4. Remedial Design/Remedial Action ("RD/RA")Work Plan: a Work Plan whose objective is to provide for the development and implementation of final plans and specifications for implementing the remedial alternative set forth in the ROD; or

5. Site Management Plan: a Work Plan whose objective is to identify and implement the institutional and engineering controls required for the Site, as well as any necessary monitoring and/or operation and maintenance of the remedy.

B. Submission/Implementation of Work Plans

1. (a) The ~~RD/RA~~ & Site Management Work Plan shall be submitted to the Department within sixty (60) Days after the effective date of this Order.

(b) The Department may request that Respondent submit additional or supplemental Work Plans for the Site. Within thirty (30) Days after the Department's written request, Respondent shall advise the Department in writing whether it will submit and implement the requested additional or supplemental Work Plan or whether it elects to terminate this Order pursuant to Paragraph XIII. If Respondent elects to submit and

implement such Work Plan, Respondent shall submit the requested Work Plan within sixty (60) Days after such election. If Respondent elects to terminate this Order or fails to make a timely election, this Order shall terminate pursuant to Paragraph XIII.

(c) Respondent may opt to propose one or more additional or supplemental Work Plans (including one or more IRM Work Plans) at any time, which the Department shall review for appropriateness and technical sufficiency.

(d) Any request made by the Department under Subparagraph II.B.1.(b) shall be subject to dispute resolution pursuant to Paragraph XII.

2. A Professional Engineer must stamp and sign all Work Plans other than SC or RI/FS Work Plans.

3. During all field activities conducted under this Order, Respondent shall have on-Site a representative who is qualified to supervise the activities undertaken. Such representative may be an employee or a consultant retained by Respondent to perform such supervision.

C. Modifications to Work Plans

The Department shall notify Respondent in writing if the Department determines that any element of a Department-approved Work Plan needs to be modified in order to achieve the objectives of the Work Plan as set forth in Subparagraph II.A or to ensure that the Remedial Program otherwise protects human health and the environment. Upon receipt of such notification, Respondent shall, subject to Respondent's right to terminate pursuant to Paragraph XIII, provide written notification as provided at 6 NYCRR 375-1.6(d)(3)as to whether it will modify the Work Plan, or invoke dispute resolution

D. Submission of Final Reports and Annual Reports

1. In accordance with the schedule contained in a Work Plan, Respondent shall submit a final report as provided at 6 NYCRR 375-1.6(b) and a final engineering report as provided at 6 NYCRR 375-1.6(c).

2. Any final report or final engineering report that includes construction activities shall include "as built" drawings showing any changes made to the remedial design or the IRM.

3. In the event that the final engineering report for the Site requires Site management, Respondent shall submit an annual report by the 1st Day of the month following the anniversary of the start of the Site management. Such annual report shall be signed by a Professional Engineer or by such other qualified environmental professional as the Department

may find acceptable and shall contain a certification as provided at 6 NYCRR 375-1.8(h)(3). Respondent may petition the Department for a determination that the institutional and/or engineering controls may be terminated. Such petition must be supported by a statement by a Professional Engineer that such controls are no longer necessary for the protection of public health and the environment. The Department shall not unreasonably withhold its approval of such petition.

E. Review of Submittals other than Progress Reports and Health and Safety Plans

1. The Department shall make a good faith effort to review and respond in writing to each submittal Respondent makes pursuant to this Order within sixty (60) Days. The Department's response shall include an approval or disapproval of the submittal, in whole or in part. All Department-approved submittals shall be incorporated into and become an enforceable part of this Order.

2. If the Department disapproves a submittal, it shall specify the reasons for its disapproval. Within fifteen (15) Days after the date of the Department's written notice that Respondent's submittal has been disapproved, Respondent shall, subject to Respondent's right to terminate pursuant to Paragraph XIII in the event the rejected submittal is a Work Plan submitted prior to the Department's approval of the RD/RA Work Plan, elect as provided at 6 NYCRR 375-1.6(d)(4). If Respondent elects to modify the submittal, Respondent shall, within thirty (30) Days after such election, make a revised submittal that addresses all of the Department's stated reasons for disapproving the first submittal. In the event that Respondent's revised submittal is disapproved, the Department shall set forth its reasons for such disapproval in writing and Respondent shall be in violation of this Order unless it invokes dispute resolution pursuant to Paragraph XII and its position prevails. Failure to make an election or failure to comply with the election is a violation of this Order.

3. Within thirty (30) Days after the Department's approval of a final report, Respondent shall submit such final report, as well as all data gathered and drawings and submittals made pursuant to such Work Plan, in an electronic format acceptable to the Department. If any document cannot be converted into electronic format, Respondent shall submit such document in an alternative format acceptable to the Department.

F. Department's Issuance of a ROD

Respondent shall cooperate with the Department and provide reasonable assistance, consistent with the Citizen Participation Plan, in soliciting public comment on the proposed remedial action plan ("PRAP"), if any. After the close of the public comment period, the Department shall select a final remedial alternative for the Site in a ROD. Nothing in this Order shall be construed to abridge any rights of Respondent, as provided by law, to judicially challenge the Department's ROD.

G. Release and Covenant Not to Sue

Upon the Department's issuance of a Certificate of Completion as provided at 6 NYCRR 375-1.9 and 375-2.9, Respondent shall obtain the benefits conferred by such provisions, subject to the terms and conditions described therein.

III. Progress Reports

Respondent shall submit written progress reports to the parties identified in Subparagraph XI.A.1 by the 10th Day of each month commencing with the month subsequent to the approval of the first Work Plan and ending with the Termination Date, unless a different frequency is set forth in
an approved Work Plan. Such reports shall, at a minimum, include: all actions taken pursuant to this Order during the reporting period and those anticipated for the upcoming reporting period; all approved modifications to work plans and/or schedules; all results of sampling and tests and all other data received or generated by or on behalf of Respondent in connection with the Site during the reporting period, including quality assurance/quality control information; information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the future schedule, and efforts made to mitigate such delays; and information regarding activities undertaken in support of the Citizen Participation Plan during the reporting period and those anticipated for the upcoming reporting period.

IV. Penalties

A. 1. Respondent's failure to comply with any term of this Order constitutes a violation of this Order, the ECL, and 6 NYCRR 375-2.11(a)(4). Nothing herein abridges Respondent's right to contest any allegation that it has failed to comply with this Order.

2. Payment of any penalties shall not in any way alter Respondent's obligations under this Order.

B. 1. Respondent shall not suffer any penalty or be subject to any proceeding or action in the event it cannot comply with any requirement of this Order as a result of any Force Majeure Event as provided at 6 NYCRR 375-1.5(b)(4). Respondent must use best efforts to anticipate the potential Force Majeure Event, best efforts to address any such event as it is occurring, and best efforts following the Force Majeure Event to minimize delay to the greatest extent possible. "Force Majeure" does not include Respondent's economic inability to comply with any obligation, the failure of Respondent to make complete and timely application for any required approval or permit, and non-attainment of the goals, standards, and requirements of this Order.

2. Respondent shall notify the Department in writing within five (5) Days of the onset of any Force Majeure Event. Failure to give such notice within such five (5) Day

period constitutes a waiver of any claim that a delay is not subject to penalties. Respondent shall be deemed to know of any circumstance which it, any entity controlled by it, or its contractors knew or should have known.

3. Respondent shall have the burden of proving by a preponderance of the evidence that (i) the delay or anticipated delay has been or will be caused by a Force Majeure Event; (ii) the duration of the delay or the extension sought is warranted under the circumstances; (iii) best efforts were exercised to avoid and mitigate the effects of the delay; and (iv) Respondent complied with the requirements of Subparagraph IV.B.2 regarding timely notification.

4. If the Department agrees that the delay or anticipated delay is attributable to a Force Majeure Event, the time for performance of the obligations that are affected by the Force Majeure Event shall be extended for a period of time equivalent to the time lost because of the Force majuere event, in accordance with 375-1.5(4).

5. If the Department rejects Respondent's assertion that an event provides a defense to non-compliance with this Order pursuant to Subparagraph IV.B, Respondent shall be in violation of this Order unless it invokes dispute resolution pursuant to Paragraph XII and Respondent's position prevails.

V. Entry upon Site

A. Respondent hereby consents, upon reasonable notice under the circumstances presented, to entry upon the Site (or areas in the vicinity of the Site which may be under the control of Respondent) by any duly designated officer or employee of the Department or any State agency having jurisdiction with respect to matters addressed pursuant to this Order, and by any agent, consultant, contractor, or other person so authorized by the Commissioner, all of whom shall abide by the health and safety rules in effect for the Site, for inspecting, sampling, copying records related to the contamination at the Site, testing, and any other activities necessary to ensure Respondent's compliance with this Order. Upon request, Respondent shall (i) provide the Department with suitable work space at the Site, including access to a telephone, to the extent available, and (ii) permit the Department full access to all non-privileged records relating to matters addressed by this Order. Raw data is not considered privileged and that portion of any privileged document containing raw data must be provided to the Department. In the event Respondent is unable to obtain any authorization from third-party property owners necessary to perform its obligations under this Order, the Department may, consistent with its legal authority, assist in obtaining such authorizations.

B. The Department shall have the right to take its own samples and scientific measurements and the Department and Respondent shall each have the right to obtain split samples, duplicate samples, or both, of all substances and materials sampled. The Department

shall make the results of any such sampling and scientific measurements available to Respondent.

VI. Payment of State Costs

A. Within forty-five (45) Days after the effective date of this Order, Respondent shall pay to the Department a sum of money which shall represent reimbursement for past State Costs as provided at 6 NYCRR 375-1.5(b)(3). Such costs shall include the sum of $38,563.11, which represents costs associated with the Roblin Steel portion of the Site from 9/2/97 to 6/13/07, and the sum of $7,477.36, which represents costs associated with the Envirotek II portion of the Site from 4/1/05 to 6/27/07.

B. Within forty-five (45) Days after receipt of an itemized invoice from the Department, Respondent shall pay to the Department a sum of money which shall represent reimbursement for State Costs, other than those identified in Subparagraph VI.A, for work performed at or in connection with the Site through and including the Termination Date, as provided at 6 NYCRR 375-1.5(b)(3).

C. Personal service costs shall be documented as provided by 6 NYCRR 375-1.5(b)(3(ii). The Department shall not be required to provide any other documentation of costs, provided however, that the Department's records shall be available consistent with, and in accordance with, Article 6 of the Public Officers Law.

D. Such invoice shall be sent to Respondent at the following address:

Niagara River World, Inc.
Attn: Bonnie M. Leto
4000 River Road
Tonawanda, New York 14150

E. Each such payment shall be made payable to the Department of Environmental Conservation and shall be sent to:

Bureau of Program Management
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-7012

F. Each party shall provide written notification to the other within ninety (90) Days of any change in the foregoing addresses.

G. Respondent may contest invoiced costs as provided at 6 NYCRR 375-1.5(b)(3)(v) and (vi).

VII. Reservation of Rights

A. Except as provided at 6 NYCRR 375-1.9 and 375-2.9, nothing contained in this Order shall be construed as barring, diminishing, adjudicating, or in any way affecting any of the Department's rights or authorities, including, but not limited to, the right to require performance of further investigations and/or response action(s), to recover natural resource damages, and/or to exercise any summary abatement powers with respect to any person, including Respondent.

B. Except as otherwise provided in this Order, Respondent specifically reserves all rights and defenses under applicable law respecting any Departmental assertion of remedial liability and/or natural resource damages against Respondent, and further reserves all rights respecting the enforcement of this Order, including the rights to notice, to be heard, to appeal, and to any other due process. The existence of this Order or Respondent's compliance with it shall not be construed as an admission of liability, fault, wrongdoing, or breach of standard of care by Respondent, and shall not give rise to any presumption of law or finding of fact, or create any rights, or grant any cause of action, which shall inure to the benefit of any third party. Further, Respondent reserves such rights as it may have to seek and obtain contribution, indemnification, and/or any other form of recovery from its insurers and from other potentially responsible parties or their insurers for past or future response and/or cleanup costs or such other costs or damages arising from the contamination at the Site as may be provided by law, including but not limited to rights of contribution under section 113(f)(3)(B) of CERCLA, 42 U.S.C. § 9613(f)(3)(B).

VIII. Indemnification

Respondent shall indemnify and hold the Department, the State of New York, the Trustee of the State's natural resources, and their representatives and employees harmless as provided by 6 NYCRR 375-2.5(a)(3)(i).

IX. Public Notice

A. Within thirty (30) Days after the effective date of this Order, Respondent shall provide notice as required by 6 NYCRR 375-1.5(a). Within sixty (60) Days of such filing, Respondent shall provide the Department with a copy of such instrument certified by the recording officer to be a true and faithful copy.

B. If Respondent proposes to transfer by sale or lease the whole or any part of Respondent's interest in the Site, or becomes aware of such transfer, Respondent shall, not fewer than forty-five (45) Days before the date of transfer, or within forty-five (45) Days after

becoming aware of such conveyance, notify the Department in writing of the identity of the transferee and of the nature and proposed or actual date of the conveyance, and shall notify the transferee in writing, with a copy to the Department, of the applicability of this Order. However, such obligation shall not extend to a conveyance by means of a corporate reorganization or merger or the granting of any rights under any mortgage, deed, trust, assignment, judgment, lien, pledge, security agreement, lease, or any other right accruing to a person not affiliated with Respondent to secure the repayment of money or the performance of a duty or obligation.

X. Environmental Easement

A. If a Department-approved final engineering report for the Site relies upon one or more institutional and/or engineering controls, Respondent (or the owner of the Site) shall submit to the Department for approval an Environmental Easement to run with the land in favor of the State which complies with the requirements of ECL Article 71, Title 36, and 6 NYCRR 375-1.8(h)(2). Upon acceptance of Environmental Easement by the State, Respondent shall comply with the requirements of 6 NYCRR 375-1.8(h)(2).

B. If the ROD provides for no action other than implementation of one or more institutional controls, Respondent shall cause an environmental easement to be recorded under the provisions of Subparagraph X.A. If Respondent does not cause such environmental easement to be recorded in accordance with 6 NYCRR 375-1.8(h)(2), Respondent will not be entitled to the benefits conferred by 6 NYCRR 375-1.9 and 375-2.9.

XI. Communications

A. All written communications required by this Order shall be transmitted by United States Postal Service, by private courier service, or hand delivered as follows:

1. Communication from Respondent shall be sent to:

Mr. Glenn May, Project Manager
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203
gmmay@gw.dec.state.ny.us

Note: three hard copies (one unbound) of work plans are required, as well as one electronic copy.

with copies to:

~~Gary Litwin~~ MAH forcucci
Bureau of Environmental Exposure Investigation
New York State Department of Health
Flanigan Square
547 River Street
Troy, New York 12180-2216
gal09@health.state.ny.us

Joseph J. Hausbeck, Esq.
Division of Environmental Enforcement
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203
jjhausbe@gw.dec.state.ny.us

Correspondence only

2. Communication to be made from the Department shall be sent to:

Ms. Bonnie M. Leto
Niagara River World, inc.
4000 River Road
Tonawanda, New York 14150
niagararw@aol.com

with a copy to:

Jonathan D. Estoff, Esq.
Miserendino, Celniker, Seegert & Estoff, P.C.
964 Ellicott Square Building
295 Main Street
Buffalo, New York 14203
jdestoff@aol.com

B. The Department and Respondent reserve the right to designate additional or different addressees for communication upon written notice to the other.

C. Each party shall notify the other within ninety (90) Days after any change in the addresses in this Paragraph XI or in Paragraph VI.

XII. Dispute Resolution

In the event disputes arise under this Order, Respondent may, within fifteen (15) Days after Respondent knew or should have known of the facts which are the basis of the dispute, initiate dispute resolution in accordance with the provisions of 6 NYCRR 375-1.5(b)(2). Nothing contained in this Order shall be construed to authorize Respondent to invoke dispute resolution with respect to the remedy selected by the Department in the ROD or any element of such remedy, nor to impair any right of Respondent to seek judicial review of the Department's selection of any remedy.

XIII. Termination of Order

A. This Order will terminate upon the earlier of the following events:

1. Respondent's election to terminate pursuant to Subparagraphs II.B.1.b, II.C or II.E.2 so long as such election is made prior to the Department's approval of the RD/RA Work Plan. In the event of termination in accordance with this Subparagraph XIII.A.1, this Order shall terminate effective the 5th Day after the Department's receipt of the written notification terminating this Order or the 5th Day after the time for Respondent to make its election has expired, whichever is earlier, provided, however, that if there are one or more Work Plan(s) for which a final report has not been approved at the time of Respondent's notification of its election to terminate this Order pursuant to Subparagraphs II.B.1.b or II.E.2 or its failure to timely make such an election pursuant to Subparagraphs II.B.1.b or II.E.2, Respondent shall promptly complete the activities required by such previously approved Work Plan(s)consistent with the schedules contained therein. Thereafter, this Order shall terminate effective the 5th Day after the Department's approval of the final report for all previously approved Work Plans; or

2. The Department's written determination that Respondent has completed all phases of the Remedial Program (including Site Management), in which event the termination shall be effective on the 5th Day after the date of the Department's approval of the final report relating to the final phase of the Remedial Program.

B. Notwithstanding the foregoing, the provisions contained in Paragraphs VI and VIII shall survive the termination of this Order and any violation of such surviving Paragraphs shall be a violation of this Order, the ECL, and 6 NYCRR 375-2.11(a)(4), subjecting Respondent to penalties as provided under Paragraph IV so long as such obligations accrued on or prior to the Termination Date.

C. If the Order is terminated pursuant to Subparagraph XIII.A.1, neither this Order nor its termination shall affect any liability of Respondent for remediation of the Site and/or for payment of State Costs, including implementation of removal and remedial actions, interest, enforcement, and any and all other response costs as defined under CERCLA, nor shall it affect any defenses to such liability that may be asserted by Respondent. Respondent shall also ensure that it does not leave the Site in a condition, from the perspective of human

health and environmental protection, worse than that which existed before any activities under this Order were commenced. Further, the Department's efforts in obtaining and overseeing compliance with this Order shall constitute reasonable efforts under law to obtain a voluntary commitment from Respondent for any further activities to be undertaken as part of a Remedial Program for the Site.

XIV. Miscellaneous

A. Respondent agrees to comply with and be bound by the provisions of 6 NYCRR Subparts 375-1 and 375-2; the provisions of such Subparts that are referenced herein are referenced for clarity and convenience only and the failure of this Order to specifically reference any particular regulatory provision is not intended to imply that such provision is not applicable to activities performed under this Order.

B. The Department may exempt Respondent from the requirement to obtain any state or local permit or other authorization for any activity conducted pursuant to this Order in accordance with 6 NYCRR 375-1.12(b), (c), and (d).

C. 1. Respondent shall use best efforts to obtain all Site access, permits, easements, approvals, institutional controls, and/or authorizations necessary to perform Respondent's obligations under this Order, including all Department-approved Work Plans and the schedules contained therein. If, despite Respondent's best efforts, any access, permits, easements, approvals, institutional controls, or authorizations cannot be obtained, Respondent shall promptly notify the Department and include a summary of the steps taken. The Department may, as it deems appropriate and within its authority, assist Respondent in obtaining same.

2. If an interest in property is needed to implement an institutional control required by a Work Plan and such interest cannot be obtained, the Department may require Respondent to modify the Work Plan pursuant to 6 NYCRR 375-1.6(d)(3) to reflect changes necessitated by Respondent's inability to obtain such interest.

D. The paragraph headings set forth in this Order are included for convenience of reference only and shall be disregarded in the construction and interpretation of any provisions of this Order.

E. 1. The terms of this Order shall constitute the complete and entire agreement between the Department and Respondent concerning the implementation of the activities required by this Order. No term, condition, understanding, or agreement purporting to modify or vary any term of this Order shall be binding unless made in writing and subscribed by the party to be bound. No informal advice, guidance, suggestion, or comment by the Department shall be construed as relieving Respondent of Respondent's obligation to obtain such formal approvals as may be required by this Order. In the event of a conflict between the terms of this

Order and any Work Plan submitted pursuant to this Order, the terms of this Order shall control over the terms of the Work Plan(s). Respondent consents to and agrees not to contest the authority and jurisdiction of the Department to enter into or enforce this Order.

2. i. Except as set forth herein, if Respondent desires that any provision of this Order be changed, Respondent shall make timely written application to the Commissioner with copies to the parties listed in Subparagraph XI.A.1.

ii. If Respondent seeks to modify an approved Work Plan, a written request shall be made to the Department's project manager, with copies to the parties listed in Subparagraph XI.A.1.

iii. Requests for a change to a time frame set forth in this Order shall be made in writing to the Department's project attorney and project manager; such requests shall not be unreasonably denied and a written response to such requests shall be sent to Respondent promptly.

F. 1. If there are multiple parties signing this Order, the term "Respondent" shall be read in the plural, the obligations of each such party under this Order are joint and several, and the insolvency of or failure by any Respondent to implement any obligations under this Order shall not affect the obligations of the remaining Respondent(s) under this Order.

2. If Respondent is a partnership, the obligations of all general partners (including limited partners who act as general partners) under this Order are joint and several and the insolvency or failure of any general partner to implement any obligations under this Order shall not affect the obligations of the remaining partner(s) under this Order.

3. Notwithstanding the foregoing Subparagraphs XIV.F.1 and 2, if multiple parties sign this Order as Respondents but not all of the signing parties elect to implement a Work Plan, all Respondents are jointly and severally liable for each and every obligation under this Order through the completion of activities in such Work Plan that all such parties consented to; thereafter, only those Respondents electing to perform additional work shall be jointly and severally liable under this Order for the obligations and activities under such additional Work Plan(s). The parties electing not to implement the additional Work Plan(s) shall have no obligations under this Order relative to the activities set forth in such Work Plan(s). Further, only those Respondents electing to implement such additional Work Plan(s) shall be eligible to receive the Liability Limitation referenced in Paragraph VI.

G. Respondent shall be entitled to receive contribution protection and/or to seek contribution to the extent authorized by ECL 27-1421(6) and 6 NYCRR 375-1.5(b)(5).

H. Unless otherwise expressly provided herein, terms used in this Order which are defined in ECL Article 27 or in regulations promulgated thereunder shall have the meaning assigned to them under said statute or regulations.

I. Respondent's obligations under this Order represent payment for or reimbursementof response costs, and shall not be deemed to constitute any type of fine or penalty.

J. Respondent and Respondent's successors and assigns shall be bound by this Order. Any change in ownership or corporate status of Respondent shall in no way alter Respondent's responsibilities under this Order.

K. This Order may be executed for the convenience of the parties hereto, individually or in combination, in one or more counterparts, each of which shall be deemed to have the status of an executed original and all of which shall together constitute one and the same.

L. The effective date of this Order is the 10th Day after it is signed by the Commissioner or the Commissioner's designee.

DATED: SEP 21 2007

ALEXANDER B. GRANNIS
COMMISSIONER
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

By:
Dale A. Desnoyers, Director
Division of Environmental Remediation

CONSENT BY RESPONDENT

Respondent hereby consents to the issuing and entering of this Order, waives Respondent's right to a hearing herein as provided by law, and agrees to be bound by this Order.

Niagara River World, Inc.

By: Bonnie M. Reb

Title: Vice President

Date: September 13, 2007

STATE OF NEW YORK)
) ss:
COUNTY OF ERIE)

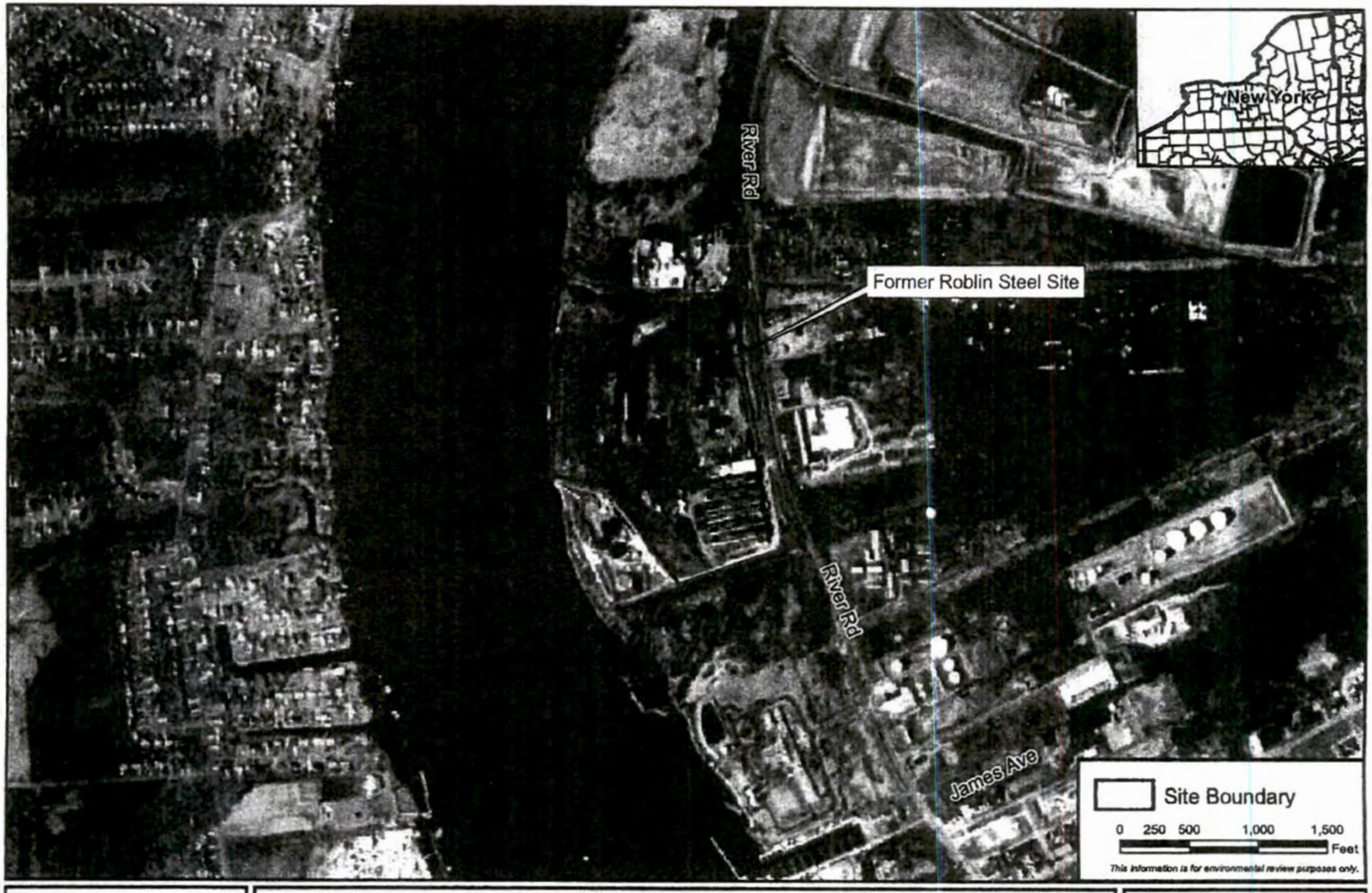
On the 13 day of Sept, in the year 2007, before me, the undersigned, personally appeared Bonnie M. Reb, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Signature and Office of individual
taking acknowledgment

JONATHAN DAVID ESTOFF
Notary Public, State of New York
Qualified in Erie County
My Commission Expires October 31, 2010

EXHIBIT "A"

Map of Site



NRG Thermal

Figure 1-1
Site Location
Tonawanda, NY

DATE: 10/12/06
REVISED: 02/06/07
SCALE: 1:12,000
DRAWN BY: JPBOENTJE
M:\Clients\M-O\NRT\ArcGIS\2007\01\Tonawanda_Tonawanda_Site_Location.mxd

NATURAL RESOURCE GROUP, INC.

EXHIBIT "B"

RECORDS SEARCH REPORT

1. Detail all environmental data and information within Respondent's or Respondent's agents' or consultants' possession or control regarding environmental conditions at or emanating from the Site.

2. A comprehensive list of all existing relevant reports with titles, authors, and subject matter, as well as a description of the results of all previous investigations of the Site and of areas immediately surrounding the Site which are or might be affected by contamination at the Site, including all available topographic and property surveys, engineering studies, and aerial photographs.

3. A concise summary of information held by Respondent and Respondent's attorneys and consultants with respect to:

(i) a history and description of the Site, including the nature of operations;

(ii) the types, quantities, physical state, locations, methods, and dates of disposal or release of hazardous waste at or emanating from the Site:

(iii) a description of current Site security (i.e. fencing, posting, etc.); and

(iv) the names and addresses of all persons responsible for disposal of hazardous waste, including the dates of such disposal and any proof linking each such person responsible with the hazardous wastes identified.

COVER SHEET REV 02-14-06

ERIE COUNTY CLERKS OFFICE

County Clerk's Recording Page

Book: **11137** Page: **6723**

Page Count: **10**

Doc Type: **EASEMENT/RTWY <500**

Rec Date: **11/26/2007**

Rec Time: **03:52:14 PM**

Control #: **2007251593**

User ID: **francine**

Trans Num: **445973**

DEED SEQ: **TT2007008895**

MTG SEQ:

UCC:

SCAR:

INDEX:

Return To:

BOX 135

Party 1:

NIAGARA RIVER WORLD INC

Party 2:

PEOPLE OF THE STATE OF NEW YORK

Recording Fees:	
RECORDING	$0.00
COE COUNTY	0
COE STATE GENERAL	$0.00
COE STATE RM	$0.00
TP584	$0.00

Consideration Amount:	**$1.00**
BASIC	**$0.00**
SONYMA	**$0.00**
ADDL	**$0.00**
NFTA MT	**$0.00**
TRANSFER	**$0.00**
NFTA TT	**$0.00**

Total: **$0.00**

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING - THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT, REQUIRED BY SECTIONS 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Kathleen C. Hochul
County Clerk

County: Erie Site No: #915056 Order No: B9-0407-92-05

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 31st day of November, 2007, between Owner **NIAGARA RIVER WORLD, INC.**, or having an office at 4000 River Road, Town of Tonawanda, New York 14150 (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of environmental easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and of ensuring the potential restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that environmental easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and;

WHEREAS, Grantor, is the owner of real property located at 4000 River Road, Town of Tonawanda, Erie County, New York being part of Lots Nos. 96 and 97 of the Niagara River Reservation, known and designated on the tax map of the County of Erie as tax map parcels bearing SBL Nos. 64.08-1-1.1 and 64.08-1-1.2, containing 62.34 acres more or less, and being the same property conveyed to Grantor by deed dated April 3, 1989 and recorded May 17, 1989 and recorded in the Office of the Clerk of the County of Erie in Liber 10023 of Deeds at page 13, and by deed, dated November 10, 1998 and recorded November 19, 1998 in the Office of the Clerk of the County of Erie in Liber 10942 of Deeds at page 2189. The referenced property is hereinafter more fully described in Schedule A attached hereto and made a part hereof (the " Controlled Property"); and;

WHEREAS, the Commissioner does hereby acknowledge that the Department accepts this Environmental Easement in order to ensure the protection of human health and the environment and to achieve the requirements for remediation established at this Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36;and

NOW THEREFORE, in consideration of the covenants and mutual promises contained herein and the terms and conditions of Order on Consent Number B9-0407-92-05, Site #915056 Grantor grants, conveys and releases to Grantee a permanent Environmental Easement pursuant to Article 71, Title 36 of the ECL in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

A. The Controlled Property may be used for restricted commercial and industrial use as long as the following long-term engineering controls are employed:

(I) restrict the use of site groundwater as a source of potable or process water without necessary water quality treatment as determined by the Erie County Department of Health;

(ii) any proposed soil excavation on the property requires prior notification and prior approval of NYSDEC in accordance with the Site Management Plan approved by NYSDEC for this Controlled Property. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and

(iii) evaluate the potential for vapor intrusion for any buildings developed on the site. Provision for mitigation, such as installation of a vapor barrier and sub-slab vapor system or other engineering controls shall be implemented on all structures, prior to occupancy.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated November 2007 ("SMP"). The SMP describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The Department may change the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. The Grantor and all successors and

assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer:
Region 9
NYS Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203
or:

Site Control Section
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway
Albany, New York 12233

B. The Controlled Property may not be used for a higher level of use such as unrestricted or residential use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant of Title 36 to Article 71 of the Environmental Conservation Law.

D. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

E. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Controlled Property, including:

1. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

2. The right to give, sell, assign, or otherwise transfer the underlying fee interest to the Controlled Property by operation of law, by deed, or by indenture, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This environmental easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this environmental easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person intentionally violates this environmental easement, the Grantee may revoke the Certificate of Completion provided under ECL Article 27, Title 14, or Article 56, Title 5 with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach. Grantor shall then have a reasonable amount of time from receipt of such notice to cure. At the expiration of said second period, Grantee may commence any proceedings and take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement in accordance with applicable law to require compliance with the terms of this Environmental Easement.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar its enforcement rights in the event of a subsequent breach of or noncompliance with any of the terms of this Environmental easement.

6. Notice. Whenever notice to the State (other than the annual certification) or approval from the State is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:
County, NYSDEC Site Number, NYSDEC Order Number.

County: Erie Site No: #915056 Order No: B9-0407-92-05

Parties shall address correspondence to: Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

Such correspondence shall be delivered by hand, or by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. This environmental easement may be amended only by an amendment executed by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This environmental easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

NIAGARA RIVER WORLD, INC.

By: Bonnie M Leto

Title: Vice-President

STATE OF FLORIDA)
)ss
COUNTY OF BREVARD)

On the 15 day of November, in the year 2007 before me, the undersigned, personally appeared BONNIE M. LETO, personally known to me who, being duly sworn, did depose and say that he/she/they reside at 4961 HARVEY RD GRAND ISLAND NY (full mailing address) and that he/she/they is (are) the VICE PRESIDENT (President or other officer or director or attorney in fact duly appointed of the **NIAGARA RIVER WORLD, INC.**, the corporation described in and which executed the above instrument; and that he/she/they signed his/her/their name(s) thereto by the authority of the board of directors of said corporation.

Norine E Lester

Notary Public - State of ~~New York~~ FLORIDA

NORINE E. LESTER
Notary Public - State of Florida
My Commission Expires Jul 4, 2010
Commission # DD 570167

County: Erie Site No: #915056 Order No: B9-0407-92-05

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation

by: _____
Alexander B. Grannis, Commissioner

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Albany)

On the 21st day of November, in the year 2007, before me, the undersigned, personally appeared Alexander B. Grannis personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

ALAN T. MICHAELS
Notary Public, State of New York
No. 02MI6092164
Qualified in Rensselaer County
Commission Expires May 12, 20__

EDMS: 284106

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No: 5007-41667

PARCEL "1"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawenda, County of Erie and State of New York, being part of Lots Nos. 96 and 97 of the Niagara River Reservation, described as follows:

BEGINNING at the southwest corner of lands conveyed to Marathon Petroleum Company by deed filed in the Erie County Clerk's Office in Liber 9184 of Deeds at Page 346, said point being a point on the south line of lands conveyed to Wickwire Spencer Steel Corporation by deed filed in the Erie County Clerk's Office in Liber 1536 of Deeds at Page 196:

Thence northwesterly along the easterly line of lands conveyed to Marathon Petroleum Company bearing N 28° 42' 23" W, a distance of 907.38 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 134° 06' 15" on a bearing of N 74° 36' 08" W, a distance of 379.06 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 184° 02' 45" on a bearing of N 70° 33' 23" W, a distance of 99.01 feet to a point on the United States Harbor line, said point being northwest corner of lands conveyed to Marathon Petroleum Company:

Thence northerly along the United States Harbor line bearing N 02° 04' 54" E, a distance of 951.36 feet to the south line of "Pump House Parcel" Parcel 3 of lands conveyed to Allied Chemical Corporation by deed filed in the Erie County Clerk's Office in Liber 7271 of Deeds at page 65, said point being 271 feet south of the north line of Lot 97 as measured at right angles therefrom:

Thence easterly parallel with the north line of Lot 97, N 89° 57' 20" E, a distance of 57.54 feet to a point:

Thence northerly on a bearing of N 0° 02" 40" W a distance of 75.00 feet to a point, said point being 196.0 feet south of the north line of Lot 97 as measured at right angles therefrom:

Thence westerly parallel with the north line of Lot No. 97, S 89° 57' 20", a distance of 54.11 feet to a point on the United States Harbor line:

Thence northerly along the United States Harbor Line, N 02° 04' 54" E, a distance of 196.2 feet to an angle point on the United States Harbor Line, said point being on the north line of Lot 97.

Thence continuing northerly along the United States Harbor line on a bearing N 10° 57' 33" E, a distance of 396.21 feet to the southwest corner of lands conveyed to L. Matthew Duggan, Jr., by deed filed in the Erie County Clerk's Office in Liber 9011 of Deeds at page 277:

Thence easterly parallel with the south line of Lot 96 along the south line of lands conveyed to L. Matthew Duggan, Jr. on a bearing N 89° 57' 20" E, a distance of 524.36 feet to the northwest corner of lands conveyed to Clarence Materials Corporation by deed filed in the Erie County Clerk's Office in Liber 8892 of Deeds at page 389:

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No: 5007-41667

Thence southerly at right angles to the south line of Lot 96, along the west line of Clarence Materials Corporation, bearing S 00° 02' 40" E, a distance of 454.91 feet to the southwest corner of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at page 11:

Thence easterly parallel to the north line of Lot 97 along the south line of New York Central Railroad on a bearing N 89° 57' 20" E, a distance of 718.39 feet to a point on the west line of the Erie Barge Canal, said line also known as New York State Blue Line:

Thence southerly the following eight (8) courses and distances along the west line of the Erie Barge Canal, also known as New York State Blue line:

1. S 04° 55' 26" E, a distance of 475.24 feet to a point
2. S 04° 14' 06" E, a distance of 66.69 feet to a point
3. S 08° 03' 36" E, a distance of 66.94 feet to a point
4. S 09° 46' 56" E, a distance of 661.66 feet to a point
5. S 13° 37' 36" E, a distance of 67.53 feet to a point
6. S 15° 15' 36" E, a distance of 66.95 feet to a point
7. S 16° 43' 16" E, a distance of 66.64 feet to a point
8. S 17° 50' 47" E, a distance of 392.35 feet to a point on the South line of lands conveyed to Wickwire Spencer Steel Corporation.

Thence westerly along the South line of Wickwire Spencer Steel Corporation on a bearing of S 72° 11' 19" W, a distance of 851.82 feet to the point or place of beginning, containing 62.480 acres, more or less.

PARCEL "2"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lots Nos. 96 and 97 of the Niagara River Reservation, described as follows:

BEGINNING at the intersection of the west line of River Road (S.H. 129) and the south line of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at Page 11:

Thence southerly along the west line of River Road S 04° 00' 10" E, a distance of 480.13 feet more or less to the east line of the Erie Barge Canal, also known as the New York State Blue Line:

Thence northerly along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 06° 12' 26" W, a distance of 19.53 feet:

Thence continuing north along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 04° 55' 53" W, a distance of 461.24 feet to a point on the south line of lands conveyed to the New York Central Railroad:

Thence easterly along the southerly line of New York Central Railroad on a bearing N 89° 57' 20" E, a distance of 8.25 feet to the point or place of beginning, containing 2.075 square feet or 0.048 acres, more or

Issued By:
TICOR TITLE INSURANCE COMPANY

Schedule A (cont'd)

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No. 5007-41667

less.

23-97-1

STATE OF NEW YORK, COUNTY OF ERIE, ss.
I, KATHLEEN C. HOCHUL, Clerk of said County and also Clerk of Supreme and County Courts of said County, do hereby certify that I have compared the annexed copy with the original filed in my office and that the same is a correct transcript therefrom and of the whole of said original.
WITNESS my hand and seal of said County and Courts on this 26 day of NOV 26 2007 20

/s/
Kathleen C. Hochul
COUNTY CLERK

SEAL OF ERIE COUNTY STATE OF NEW YORK

TRANSMISSION REPORT

(MON) NOV 26 2007 17:19
NIAGARA RIVER WORLD

ACCOUNT NAME :
DESTINATION : Bonnie
ADDRESS : niagararw@aol.com

F-CODE :

PAGES : 10 sheets
RESULT : OK

DOCUMENT# : 6810109-484
TIME STORED : NOV 26 17:18
TIME SENT : NOV 26 17:18
DURATION : 19sec
MODE : PC-M

COVER SHEET REV 02-14-06

ERIE COUNTY CLERKS OFFICE
County Clerk's Recording Page

Return To:
BOX 135

Book: 11137 Page: 6723
Page Count: 10
Doc Type: EASEMENT/RTWY <500
Rec Date: 11/26/2007
Rec Time: 03:52:14 PM
Control #: 2007251583
User ID: francine
Trans Num: 445973
DEED SEQ: TT2007006895
MTG SEQ:
UCC:
SCAR:
INDEX:

Party 1:
NIAGARA RIVER WORLD INC

Party 2:
PEOPLE OF THE STATE OF NEW YORK

Recording Fees:		Consideration Amount:	$1.00
RECORDING	$0.00	BASIC	$0.00

COVER SHEET REV 02-14-06

ERIE COUNTY CLERKS OFFICE

County Clerk's Recording Page

Book: **11137** Page: **6723**

Page Count: **10**

Return To:

BOX 135

Doc Type: **EASEMENT/RTWY <500**

Rec Date: **11/26/2007**

Rec Time: **03:52:14 PM**

Control #: **2007251593**

User ID: **francine**

Party 1:

NIAGARA RIVER WORLD INC

Trans Num: **445973**

DEED SEQ: **TT2007008895**

Party 2:

PEOPLE OF THE STATE OF NEW YORK

MTG SEQ:

UCC:

SCAR:

INDEX:

Recording Fees:	
RECORDING	$0.00
COE COUNTY	0
COE STATE GENERAL	$0.00
COE STATE RM	$0.00
TP584	$0.00

Consideration Amount:	**$1.00**
BASIC	**$0.00**
SONYMA	**$0.00**
ADDL	**$0.00**
NFTA MT	**$0.00**
TRANSFER	**$0.00**
NFTA TT	**$0.00**

Total: **$0.00**

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING - THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT, REQUIRED BY SECTIONS 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Kathleen C. Hochul
County Clerk

County: Erie Site No: #915056 Order No: B9-0407-92-05

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 31st day of November, 2007, between Owner **NIAGARA RIVER WORLD, INC.**, or having an office at 4000 River Road, Town of Tonawanda, New York 14150 (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of environmental easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and of ensuring the potential restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that environmental easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and;

WHEREAS, Grantor, is the owner of real property located at 4000 River Road, Town of Tonawanda, Erie County, New York being part of Lots Nos. 96 and 97 of the Niagara River Reservation, known and designated on the tax map of the County of Erie as tax map parcels bearing SBL Nos. 64.08-1-1.1 and 64.08-1-1.2, containing 62.34 acres more or less, and being the same property conveyed to Grantor by deed dated April 3, 1989 and recorded May 17, 1989 and recorded in the Office of the Clerk of the County of Erie in Liber 10023 of Deeds at page 13, and by deed, dated November 10, 1998 and recorded November 19, 1998 in the Office of the Clerk of the County of Erie in Liber 10942 of Deeds at page 2189. The referenced property is hereinafter more fully described in Schedule A attached hereto and made a part hereof (the " Controlled Property"); and;

WHEREAS, the Commissioner does hereby acknowledge that the Department accepts this Environmental Easement in order to ensure the protection of human health and the environment and to achieve the requirements for remediation established at this Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36;and

NOW THEREFORE, in consideration of the covenants and mutual promises contained herein and the terms and conditions of Order on Consent Number B9-0407-92-05, Site #915056 Grantor grants, conveys and releases to Grantee a permanent Environmental Easement pursuant to Article 71, Title 36 of the ECL in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The following controls apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees, and any person using the Controlled Property:

A. The Controlled Property may be used for restricted commercial and industrial use as long as the following long-term engineering controls are employed:

(I) restrict the use of site groundwater as a source of potable or process water without necessary water quality treatment as determined by the Erie County Department of Health;

(ii) any proposed soil excavation on the property requires prior notification and prior approval of NYSDEC in accordance with the Site Management Plan approved by NYSDEC for this Controlled Property. The excavated soil must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives; and

(iii) evaluate the potential for vapor intrusion for any buildings developed on the site. Provision for mitigation, such as installation of a vapor barrier and sub-slab vapor system or other engineering controls shall be implemented on all structures, prior to occupancy.

The Grantor hereby acknowledges receipt of a copy of the NYSDEC-approved Site Management Plan, dated November 2007 ("SMP"). The SMP describes obligations that Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system on the Controlled Property, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The Department may change the SMP for the Controlled Property from time to time on the basis of requests or information submitted by Grantor, and modifications in applicable statutes regulations, guidance or site conditions. The Department reserves a unilateral right to modify the SMP. The Grantor and all successors and

assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Regional Remediation Engineer:
Region 9
NYS Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203
or:

Site Control Section
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway
Albany, New York 12233

B. The Controlled Property may not be used for a higher level of use such as unrestricted or residential use and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an environmental easement held by the New York State Department of Environmental Conservation pursuant of Title 36 to Article 71 of the Environmental Conservation Law.

D. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

E. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury that the controls employed at the Controlled Property are unchanged from the previous certification or that any changes to the controls employed at the Controlled Property were approved by the NYSDEC, and that nothing has occurred that would impair the ability of such control to protect the public health and environment or constitute a violation or failure to comply with any Site Management Plan for such controls and giving access to such Controlled Property to evaluate continued maintenance of such controls.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Controlled Property, including:

1. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

2. The right to give, sell, assign, or otherwise transfer the underlying fee interest to the Controlled Property by operation of law, by deed, or by indenture, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This environmental easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this environmental easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person intentionally violates this environmental easement, the Grantee may revoke the Certificate of Completion provided under ECL Article 27, Title 14, or Article 56, Title 5 with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach. Grantor shall then have a reasonable amount of time from receipt of such notice to cure. At the expiration of said second period, Grantee may commence any proceedings and take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement in accordance with applicable law to require compliance with the terms of this Environmental Easement.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar its enforcement rights in the event of a subsequent breach of or noncompliance with any of the terms of this Environmental easement.

6. Notice. Whenever notice to the State (other than the annual certification) or approval from the State is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:
County, NYSDEC Site Number, NYSDEC Order Number.

County: Erie Site No: #915056 Order No: B9-0407-92-05

Parties shall address correspondence to: Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

Such correspondence shall be delivered by hand, or by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. This environmental easement may be amended only by an amendment executed by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This environmental easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

NIAGARA RIVER WORLD, INC.

By: [signature]

Title: Vice-President

STATE OF FLORIDA)
)ss
COUNTY OF BREVARD)

On the 15 day of November, in the year 20 07 before me, the undersigned, personally appeared BONNIE M. LETO, personally known to me who, being duly sworn, did depose and say that he/she/they reside at 1981 HARVEY RD GRAND ISLAND NY (full mailing address) and that he/she/they is (are) the VICE PRESIDENT (President or other officer or director or attorney in fact duly appointed of the **NIAGARA RIVER WORLD, INC.**, the corporation described in and which executed the above instrument; and that he/she/they signed his/her/their name(s) thereto by the authority of the board of directors of said corporation.

[signature]

Notary Public - State of ~~New York~~ FLORIDA

NORINE E. LESTER
Notary Public - State of Florida
Commission Expires Jul 4, 2010
Commission # DD 570167

County: Erie Site No: #915056 Order No: B9-0407-92-05

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation

by: _____
Alexander B. Grannis, Commissioner

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF Albany)

On the 21st day of November, in the year 2007, before me, the undersigned, personally appeared Alexander B. Grannis personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

ALAN T. MICHAELS
Notary Public, State of New York
No. 02MI6092164
Qualified in Rensselaer County
Commission Expires May 12, 2011

EDMS: 284106

Issued By:
TICOR TITLE INSURANCE COMPANY

Schedule A ([redacted])

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No: 5007-41667

PARCEL "1"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lots Nos. 96 and 97 of the Niagara River Reservation, described as follows:

BEGINNING at the southwest corner of lands conveyed to Marathon Petroleum Company by deed filed in the Erie County Clerk's Office in Liber 9184 of Deeds at Page 346, said point being a point on the south line of lands conveyed to Wickwire Spencer Steel Corporation by deed filed in the Erie County Clerk's Office in Liber 1536 of Deeds at Page 196:

Thence northwesterly along the easterly line of lands conveyed to Marethan Petroleum Company bearing N 28° 42' 23" W, a distance of 907.38 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 134° 06' 15" on a bearing of N 74° 36' 08" W, a distance of 379.06 feet to a point;

Thence continuing northwesterly along the north line of Marathon Petroleum Company, an exterior angle of 184° 02' 45" on a bearing of N 70° 33' 23" W, a distance of 99.01 feet to a point on the United States Harbor line, said point being northwest corner of lands conveyed to Marathon Petroleum Company:

Thence northerly along the United States Harbor line bearing N 02° 04' 54" E, a distance of 951.36 feet to the south line of "Pump House Parcel" Parcel 3 of lands conveyed to Allied Chemical Corporation by deed filed in the Erie County Clerk's Office in Liber 7271 of Deeds at page 65, said point being 271 feet south of the north line of Lot 97 as measured at right angles therefrom:

Thence easterly parallel with the north line of Lot 97, N 89° 57' 20" E, a distance of 57.54 feet to a point:

Thence northerly on a bearing of N 0° 02" 40" W a distance of 75.00 feet to a point, said point being 196.0 feet south of the north line of Lot 97 as measured at right angles therefrom:

Thence westerly parallel with the north line of Lot No. 97, S 89° 57' 20", a distance of 54.11 feet to a point on the United States Harbor line:

Thence northerly along the United States Harbor Line, N 02° 04' 54" E, a distance of 196.2 feet to an angle point on the United States Harbor Line, said point being on the north line of Lot 97.

Thence continuing northerly along the United States Harbor line on a bearing N 10° 57' 33" E, a distance of 396.21 feet to the southwest corner of lands conveyed to L. Matthew Duggan, Jr., by deed filed in the Erie County Clerk's Office in Liber 9011 of Deeds at page 277:

Thence easterly parallel with the south line of Lot 96 along the south line of lands conveyed to L. Matthew Duggan, Jr. on a bearing N 89° 57' 20" E, a distance of 524.36 feet to the northwest corner of lands conveyed to Clarence Materials Corporation by deed filed in the Erie County Clerk's Office in Liber 8892 of Deeds at page 389:

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No: 5007-41667

Thence southerly at right angles to the south line of Lot 96, along the west line of Clarence Materials Corporation, bearing S 00° 02' 40" E, a distance of 454.91 feet to the southwest corner of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at page 11:

Thence easterly parallel to the north line of Lot 97 along the south line of New York Central Railroad on a bearing N 89° 57' 20" E, a distance of 718.39 feet to a point on the west line of the Erie Barge Canal, said line also known as New York State Blue Line:

Thence southerly the following eight (8) courses and distances along the west line of the Erie Barge Canal, also known as New York State Blue line:

1. S 04° 55' 26" E, a distance of 475.24 feet to a point
2. S 04° 14' 06" E, a distance of 66.69 feet to a point
3. S 08° 03' 36" E, a distance of 66.94 feet to a point
4. S 09° 46' 56" E, a distance of 661.66 feet to a point
5. S 13° 37' 36" E, a distance of 67.53 feet to a point
6. S 15° 15' 36" E, a distance of 66.95 feet to a point
7. S 16° 43' 16" E, a distance of 66.64 feet to a point
8. S 17° 50' 47" E, a distance of 392.35 feet to a point on the South line of lands conveyed to Wickwire Spencer Steel Corporation.

Thence westerly along the South line of Wickwire Spencer Steel Corporation on a bearing of S 72° 11' 19" W, a distance of 851.82 feet to the point or place of beginning, containing 62.480 acres, more or less.

PARCEL "2"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Tonawanda, County of Erie and State of New York, being part of Lots Nos. 96 and 97 of the Niagara River Reservation, described as follows:

BEGINNING at the intersection of the west line of River Road (S.H. 129) and the south line of lands conveyed to New York Central Railroad by deed filed in the Erie County Clerk's Office in Liber 1364 of Deeds at Page 11:

Thence southerly along the west line of River Road S 04° 00' 10" E, a distance of 460.13 feet more or less to the east line of the Erie Barge Canal, also known as the New York State Blue Line:

Thence northerly along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 06° 12' 26" W, a distance of 19.53 feet:

Thence continuing north along the east line of the Erie Barge Canal (also known as the New York State Blue Line) on a bearing N 04° 55' 53" W, a distance of 461.24 feet to a point on the south line of lands conveyed to the New York Central Railroad:

Thence easterly along the southerly line of New York Central Railroad on a bearing N 89° 57' 20" E, a distance of 8.25 feet to the point or place of beginning, containing 2.075 square feet or 0.048 acres, more or

Issued By:
TICOR TITLE INSURANCE COMPANY

Schedule A (cont'd)

OWNER'S POLICY OF TITLE INSURANCE
ALTA OWNER'S POLICY (6/17/06)

No. 5007-41667

less.

23-97-1

STATE OF NEW YORK COUNTY OF ERIE, ss.
I, KATHLEEN C. HOCHUL, Clerk of said County and also Clerk of Supreme and County Courts of said County, do hereby certify that I have compared the foregoing copy with the original Easement filed in my office and that the same is a correct transcript therefrom and of the whole of said original.
WITNESS my hand and seal of said County and Courts on this 26 day of NOV 2007 20

/s/ Kathleen C. Hochul
COUNTY CLERK

SEAL OF ERIE COUNTY STATE OF NEW YORK

TRANSMISSION REPORT

(MON) NOV 26 2007 17:19
NIAGARA RIVER WORLD

ACCOUNT NAME :
DESTINATION : Bonnie
ADDRESS : niagararw@aol.com

F-CODE :

DOCUMENT# : 6810109-484
TIME STORED : NOV 26 17:18
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MODE : PC-M

PAGES : 10 sheets
RESULT : OK

COVER SHEET REV 02-14-06

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RECORDING	$0.00

Consideration Amount: $1.00

BASIC $0.00