Prepared for

Wilbur-Ellis Holdings II, Inc.
345 California Street, 27th Floor
San Francisco, California 94104

OFF-SITE INVESTIGATION WORK PLAN

Nachurs Alpine Solutions
101 North 1st Street
Sunnyside, Washington

Ecology Cleanup Site ID: 14601
Facility/Site ID: 29243

Prepared by

Geosyntec consultants

engineers | scientists | innovators

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Geosyntec Project Number: PNR0696B

20 May 2021

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ACRONYMS AND ABBREVIATIONS

AST	aboveground storage tanks
bgs	below ground surface
BNSF	Burlington Northern and Santa Fe Railway
COPC	constituents of potential concern
Ecology	Washington State Department of Ecology
EIM	Environmental Information Management
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ft	feet
IDW	Investigation Derived Waste
MTCA	Method Toxic Cleanup Act
NAS	Nachurs Alpine Solutions, LLC
NFA	No Further Action
PVC	polyvinyl chloride
RCRA	Resource Conservation and Recovery Act
RI/FS	Remedial Investigation/Feasibility Study
VCP	Voluntary Cleanup Program

1. INTRODUCTION

This Off-Site Investigation Work Plan (Work Plan) presents the proposed scope of work for the off-Site investigation near the former Nachurs Alpine Solutions Facility located at 101 North 1st Street in Sunnyside, Washington (Site). This document was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Wilbur-Ellis Holdings II, Inc. (Wilbur-Ellis), the direct parent company of Nachurs Alpine Solutions, LLC (NAS). This Site location is shown in **Figure 1**.

The scope of work presented herein is the next step in evaluating constituents of potential concern (COPCs) in groundwater related to the Site. This scope of work was developed based on the on-Site investigation and groundwater monitoring results to date, which are summarized in **Appendix A**. This work is being completed under oversight by Washington Department of Ecology (Ecology), as part of the Voluntary Cleanup Program (VCP).

This Work Plan is organized as follows:

- Section 2 – Site Background: summarizes the relevant Site use, Site environmental and regulatory history, including COPCs and a summary of sampling results to date, and the local geology and hydrogeology.
- Section 3 – Sampling Objectives and Scope of Work Summary: presents the rationale for the proposed sampling locations, media to be sampled, and scope of work outline.
- Section 4 – Off-Site Groundwater Investigation: outlines the preparation activities and proposed methods and activities for the advancement of six off-Site soil borings, associated grab-groundwater sampling, handling of investigation-derived waste (IDW), and associated reporting.
- Section 5 – Schedule: presents the planned schedule to complete the work proposed in this Work Plan.
- Section 6 – References: presents documents and sources referenced in this Work Plan.

Supporting tables, figures, and appendices are attached following the text of this Work Plan.

2. SITE BACKGROUND

2.1 Site Use History

The Site is an approximately 0.35-acre property that is owned by the Burlington Northern Santa Fe (BNSF) Railroad and bordered by a BNSF rail corridor to the north and a rail spur to the south and west. To the east is 1st Street and approximately 100 feet (ft) to the northeast is Bee-Jay Scales (a former drum storage facility that is currently being remediated). General land use in the Site vicinity is industrial.

Since approximately 1906, the surrounding area has been used for agricultural warehouses, lumber yards, coal storage, and railroad transportation activities (August Mack, 2017). Prior to NAS leasing the property, the land remained vacant since at least 1937, with the exception of a rail spur on the southern portion of the property. In 1973, NAS began leasing the Site for fertilizer storage and distribution (August Mack, 2017). NAS' operations at the Site ceased in August 2017 and by late 2017, NAS had removed all equipment, concrete, and structures associated with their operations from the Site. NAS no longer operates at the Site and plans to terminate its lease with BNSF after completion of work under Ecology's VCP. The Site is currently a vacant lot.

During NAS operations, NAS used the Site to receive fertilizer by rail spur and then distribute it locally. Nitrogen, phosphate, and potassium-based fertilizer were housed in multiple aboveground storage tanks (ASTs). The ASTs were originally staged along the northern, southern, and eastern Site boundaries without secondary containment and, consequently, were relocated in 1999 to within a concrete containment area on the western portion of the property. The locations of these former AST storage areas and other former Site features are shown in **Figure 2**.

2.2 Environmental Investigation History and VCP Enrollment

In August 1998, a Limited Environmental Site Screen was conducted by Paragon Consulting Group at the Site, which included a Site visit, interview with the property manager, and a records review (Paragon, 1998). The report concluded that there were no "obvious indications of significant environmental liability" associated with NAS' operations. In 2017, NAS removed all structures from the Site per BNSF's request as part of the lease termination. Additionally, BNSF requested Phase I and II Environmental Site Assessments (ESAs) prior to lease termination, which were completed by August Mack in December 2017 and February 2018, respectively. Geosyntec understands that the 2017 Phase I ESA and 2018 Phase II ESA were provided to Ecology by BNSF. After reviewing these reports, Ecology provided early notice to BNSF in July 2018 indicating that additional investigation activities were necessary to characterize impacts to the Site and perform a cleanup action. As a result, BNSF requested that NAS participate in the VCP to obtain a No Further Action (NFA) letter.

In 2020, Geosyntec assisted NAS in enrolling the Site in Ecology's VCP. Concurrent with enrollment in the VCP, Geosyntec submitted a *Groundwater Well Installation and Monitoring Work Plan* (Geosyntec, 2020a) and a *Response to Comments and Addendum to Groundwater Well Installation and Monitoring Work Plan* (Geosyntec, 2020b). These are collectively referred to as the "On-Site Work Plan" and included work plans for the collection of additional soil and grab groundwater samples at the Site, in addition to the installation of monitoring wells. Following submission of the *Groundwater Well Installation and Monitoring Work Plan*, Ecology informed Geosyntec that the Site-specific COPCs in groundwater are arsenic, cobalt, molybdenum, nickel, and nitrate as nitrogen (Ecology, 2020a).

Following approval from Ecology (Ecology, 2020b) to proceed with the approach presented in the On-Site Work Plan, soil and groundwater sampling and monitoring activities were conducted in

two phases as part of the on-Site investigation. The first phase involved the collection of additional on-Site soil and groundwater data to supplement findings from the 2018 Phase II August Mack investigation. The second phase involved the installation of four monitoring wells on-Site and quarterly groundwater sampling to evaluate groundwater elevations, seasonal trends, and obtain higher quality groundwater data. Results from the 2020 soil and grab groundwater sampling, well installation, and three quarters of groundwater monitoring are presented in **Appendix A**.

Impacts to the Site above background levels and Method Toxics Control Act (MTCA) cleanup levels appear to be limited to groundwater and include COPCs of arsenic, cobalt, molybdenum, and nitrate as nitrogen. The results from the grab groundwater and three quarters of groundwater sampling indicate that arsenic concentrations exceed MTCA Method B Cleanup Levels in samples collected across the Site, including from upgradient locations, with the highest concentrations of arsenic in groundwater observed at well MW-2 (located along the southern downgradient edge of the Site). Cobalt, molybdenum, and nitrate as nitrogen were also detected in upgradient samples and at concentrations above background and MTCA Cleanup Levels in samples collected from the south central portion (e.g., MW-2, SB-3) and eastern downgradient edge of the Site (e.g., MW-4).

Concentrations of Site COPCs in soil were found to be below MTCA Cleanup Levels or within background levels, and as such, no additional soil investigation is planned for the Site. In addition, while nickel was detected above MTCA Cleanup Levels in one grab groundwater sample that was analyzed for total metals in 2018, nickel concentrations were observed to be below MTCA Cleanup Levels in both soil and groundwater samples collected during 2020 and 2021. As such, the off-Site groundwater investigation proposed herein excludes nickel analysis.

2.3 Local Geology/Hydrogeology

The Site topography is generally flat at an elevation of 745 ft North American Vertical Datum 1988 (NAVD88) (PLSA Engineering & Surveying, 2020). The regional topographical gradient is to the southeast, toward the Snipes Mountain Lateral, a tributary of the Yakima River (SECOR, 2007). The Site is located within the Yakima Fold Belt, a structural sub-province of the Columbia Basin, characterized by east-west trending anticlinal ridges and synclinal valleys. Surficial geology at the Site and vicinity is Quaternary alluvium, which consists of unconsolidated sand, gravel, and cobbles with minor lenses of silt and clay.

Underlying Site soils are predominantly a sand/gravel fill in the upper 2 ft of soil followed by a silty sand to at least 15 ft below ground surface (bgs) (**Appendix A)**. Site groundwater is inferred to flow to the southeast at a gradient ranging from 0.0041 feet per feet (ft/ft) to 0.0060 ft/ft based on Site water level measurements during quarterly groundwater sampling in 2020 and 2021 (**Appendix A**). This groundwater flow direction is consistent with water level measurements at wells within 0.2 miles of the Site (SECOR, 2007 and HDR, 2018) and regional surface topography.

3. SAMPLING OBJECTIVES AND SCOPE OF WORK SUMMARY

The purpose of the proposed off-Site investigation is to:

1. further evaluate upgradient and background concentrations of COPCs and
2. assess COPC concentrations of downgradient of the Site.,

This Work Plan includes the collection of six off-Site grab-groundwater samples, with two additional contingency locations for a total of eight potential borings. The six boring locations, SB-16 through SB-21, and two contingency locations are proposed to span from the BNSF Railroad property to the north of the Site (upgradient) to the east and southeast of the Site (downgradient). These grab-groundwater samples will be used to evaluate background concentrations and the lateral extent of COPCs in shallow groundwater downgradient of the Site. Since nickel was not observed above MTCA Cleanup Levels during any of the 2020 and 2021 quarterly sampling events or 2020 on-Site soil or grab-groundwater sampling, nickel will not be included in the off-Site groundwater analysis. Grab-groundwater samples will be analyzed for metals (arsenic, cobalt, and molybdenum) and nitrate as nitrogen.

Figure 2 provides the locations of the proposed grab-groundwater samples, also detailed below and provided in **Table 1**:

- SB-16 and SB-17 will be upgradient grab-groundwater samples located on BNSF Property, north of the rail corridor and south of the northern rail spur. SB-16 and SB-17 are placed to evaluate background groundwater conditions.
- SB-18 will be located approximately immediately south of the rail corridor on either the eastern or western side of North 1st Street. The location will be dependent on permitting and traffic control logistics with the City of Sunnyside. This location was selected to evaluate cross-gradient groundwater conditions, potentially associated with impacts related to the Bee-Jay Scales property.
- SB-19 through SB-21 will be downgradient grab-groundwater samples located on North 1st Street placed to evaluate spatial distribution of Site COPCs. Two additional contingency samples may be collected, as time permits and based on access to and ability to sample other locations.

4. OFF-SITE GROUNDWATER INVESTIGATION

4.1 Preparation Activities

Prior to beginning off-Site investigation field work, the following tasks will be completed:

- Geosyntec will update its Site-specific task hazard analysis for the field activities presented herein.

- Geosyntec will coordinate with the City of Sunnyside to obtain permits for work in the right-of-way and to evaluate the requirements for traffic control associated with the off-Site investigation.
- Geosyntec will coordinate with a subcontractor to provide temporary traffic control.
- Geosyntec will contract a private underground utility locating service and notify the 811 Washington Utility Notification Center. A private utility locator will clear the proposed boring locations of potential utilities and subsurface obstructions. Geosyntec will also coordinate with BNSF to identify and clear underground signal lines associated with the railroad.
- Geosyntec will coordinate with a Washington State-licensed and bonded driller to schedule the drilling and plan the staging and sequencing.
- Geosyntec will coordinate with Wilbur-Ellis, NAS and BNSF for access and with BNSF to coordinate flaggers when working within 25 ft of rail lines.
- Geosyntec will coordinate with Wilbur-Ellis, NAS and a licensed waste hauler regarding storage, pickup, and disposal of IDW.

4.2 Off-Site Groundwater Sampling

Drilling activities will be conducted by a Washington State-licensed driller with direct oversight by a Geosyntec field geologist or engineer. Drilling will be performed using a direct-push drill rig with vinyl acetate sleeves to collect soil cores, which will be logged by a Geosyntec field geologist or engineer in accordance with the Unified Soil Classification System. Soil classification information will be recorded on a field boring log, along with additional drill rig observations. At each boring location, a groundwater sample will be collected using a Hydropunch™ or temporary well with a screen placed in first groundwater, which is assumed to be encountered at approximately 5 to 6 feet bgs. Hydropunch™ or temp well screens will screen the upper 4 to 5 feet of saturated soil. Total depths of borings may be adjusted based on field observations of lithology and depth to first groundwater.

Prior to sampling, the temporary well will be purged at a rate of between 100 and 500 milliliters per minute (mL/min). Purging will be conducted until water turbidity appears to stabilize at which point groundwater samples will be collected in laboratory-supplied sample containers and placed on ice. Borings will be grouted after sampling, and samples will be transported to ALS Environmental of Everett under chain-of-custody. Samples will be analyzed for total and dissolved metals (arsenic, cobalt, and molybdenum) by EPA Method 200.8 and nitrate as nitrogen by EPA Method 300.0. Dissolved metals samples will be field filtered with a 0.45-micron filter.

4.3 Investigation-Derived Waste

IDW generated during off-Site investigation activities, including soil drill cuttings, purge water, and decontamination water, will be containerized in labeled Department of Transportation-

approved steel drums. Geosyntec will collect one composite soil and one composite water sample for waste profiling. These samples will be submitted to the analytical laboratory for analysis of Resource Conservation and Recovery Act (RCRA) 8 metals (EPA Methods 6010 and 7470), volatile organic compounds (EPA Method 8260), NWTPH (diesel, motor oil, and gasoline ranges), and Static Acute Fish Toxicity Test (Method 80-12)

Geosyntec will coordinate with Wilbur-Ellis/NAS on IDW profiling, transportation, and disposal at an appropriate off-Site facility, including the review and signature of profiles and manifests.

4.4 Quality Assurance and Quality Control Samples and Review

Geosyntec will collect one grab-groundwater duplicate sample during the off-Site investigation activities, submitted blind to the analytical laboratory. The duplicate grab-groundwater sample will be analyzed for the same constituents as the original sample, which will include total and dissolved metals (arsenic, cobalt, and molybdenum by EPA Method 200.8) and nitrate as nitrogen (EPA Method 300.0).

Upon receipt of the laboratory analysis results, Geosyntec will review the groundwater data for quality assurance/quality control (QA/QC). Field data sheets will be reviewed for completeness and conformance with the monitoring procedures outlined herein, and Geosyntec will complete a data validation checklist for the laboratory analytical report. The checklist will include: a review of data completeness; sample contamination; conformance with holding times; and detection limits within acceptable ranges, as well as ensuring that the associated quality control results of each sample are within the specified method criteria. Based on this checklist, laboratory data will be deemed acceptable or unacceptable for use for the purposes of this project.

4.5 Results Evaluation and Reporting

Following QA/QC of the laboratory data, Geosyntec will evaluate the groundwater results with applicable State of Washington MTCA screening levels. The analytical results will be formatted and uploaded to Ecology's Environmental Information Management (EIM) online database. Results will be evaluated for the pending Site Remedial Investigation/Feasibility Study (RI/FS), which will be submitted to Ecology.

5. SCHEDULE

Upon approval of this Work Plan, Geosyntec expects to schedule and complete the off-Site drilling and sampling activities within approximately four weeks, depending on subcontractor availability, access, and City of Sunnyside permitting. After review of the investigation results, Geosyntec will evaluate next steps in the VCP process with NAS.

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TABLE

Table 1

Proposed Grab-Groundwater Sampling and Analysis Plan
Sunnyside, Washington

Proposed Sample Location	Proposed Groundwater Sample (First Groundwater ~ 5-6 ft bgs*)	Location and Purpose
SB-16	x	Upgradient of Site on BNSF Railroad property; representative of groundwater flowing into the Site.
SB-17	x	Upgradient of Site on BNSF Railroad property; representative of groundwater flowing into the Site.
SB-18	x	Evaluate extent of COPC concentrations in the vicinity of Bee-Jay Scales.
SB-19	x	Downgradient of MW-3; evaluate extent of COPC concentrations in the vicinity of Valley Processing.
SB-20	x	Downgradient of MW-4; evaluate COPC concentrations to the southeast of the Site.
SB-21	x	Downgradient of MW-2; evaluate COPC concentrations to the south of the Site.
Contingency Location 1	x	Immediately downgradient of MW-4; evaluate COPC concentrations immediately off-Site; location will be sampled as time permits during anticipated 3-day field investigation and based on access or sampling limitations at nearby locations.
Contingency Location 2	x	Downgradient of MW-2; evaluate COPC concentrations to the southeast of the Site; location will be sampled as time permits during anticipated 3-day field investigation and based on access or sampling limitations at nearby locations.

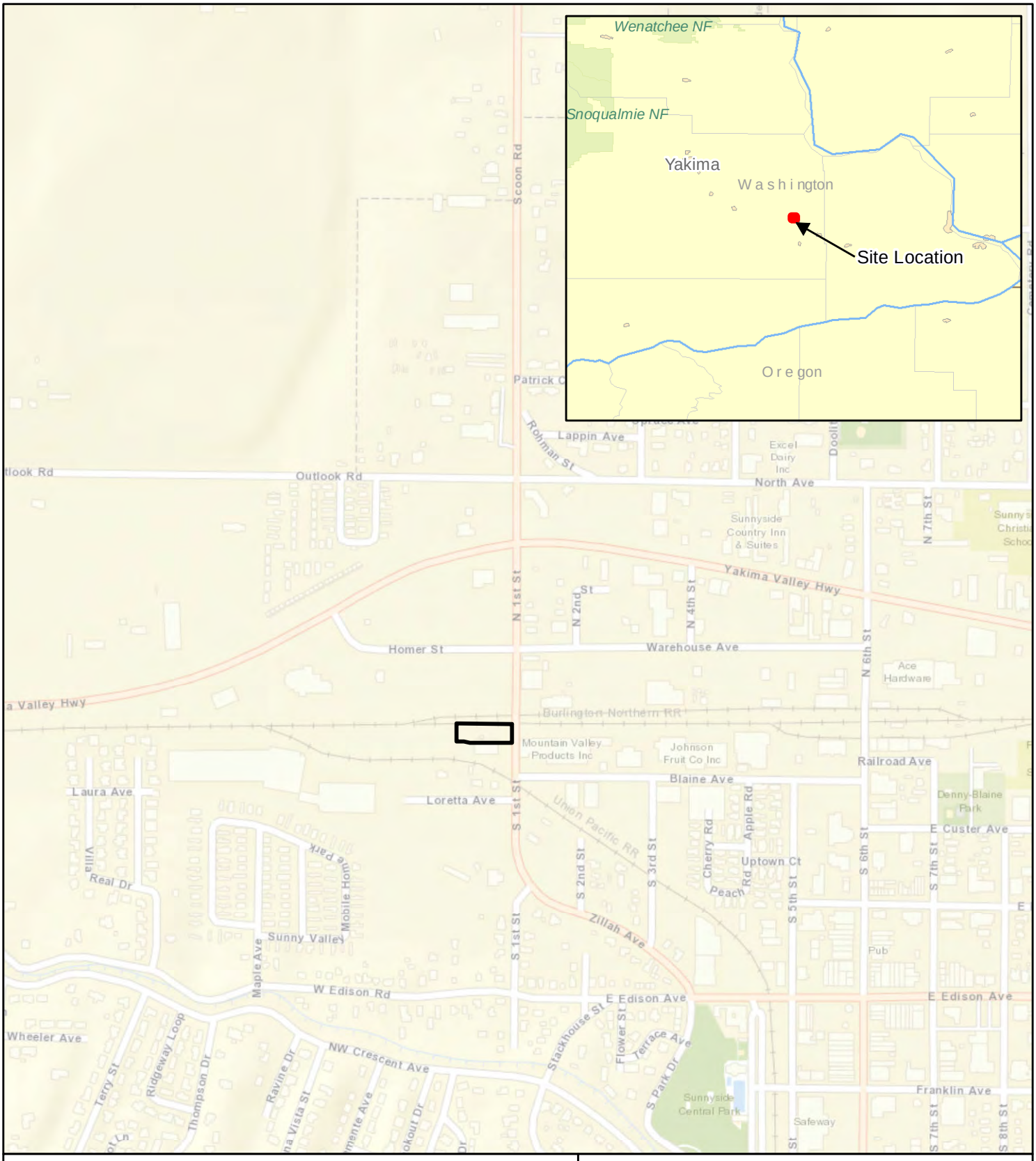
Notes:

Groundwater samples will be analyzed for nitrate as nitrogen by EPA 300.0 (or equivalent) and total and dissolved metals, including arsenic, cobalt, and molybdenum by EPA 200.8 (or equivalent). Dissolved metals samples will be field filtered with a 0.45-micron filter.

* Groundwater sample interval is assumed based on observations during on-Site groundwater sampling during 2020 and 2021. Sampling depth interval will be adjusted based on field observations of first encountered groundwater.

COPC = constituent of potential concern

FIGURES



Legend

Site Location

N

0 0.05 0.1 0.2 0.3 Miles

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Site Location Map

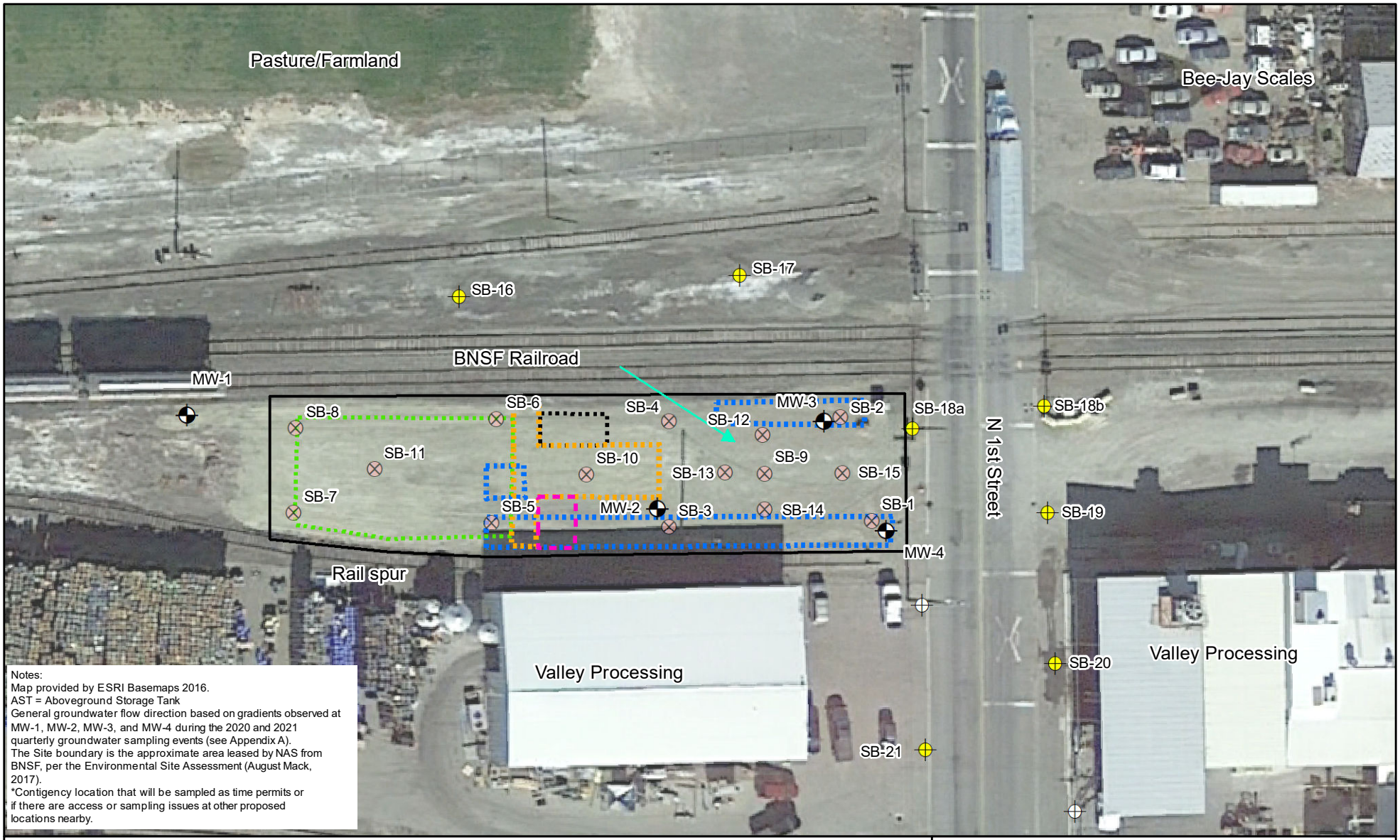
101 North 1st Street
Sunnyside, Washington

Geosyntec consultants

PNR0696-01	May 2021

Figure 1

P:\CAD_GIS\Projects\PNR0696_Sunnyside\MXDs\Figure 1 Site Location Map.mxd 3/31/2020 10:27:39 AM



Legend

- Proposed Grab-Groundwater Sample Location
- Contingency Grab Groundwater Sample Location*
- Monitoring Well and Soil Sample Location
- Grab Groundwater and Soil Sample Location
- General Groundwater Gradient
- Site Boundary
- Former AST Area (Pre-1999)
- Former Building Location (Pre-1999)
- Former AST Area with Secondary Containment (1999-2017)
- Former Building Location (1999-2017)
- Former Concrete Loading Pad (1999 – 2017)

N

0 50 Feet

Off-Site Groundwater Investigation Locations

101 North 1st Street
Sunnyside, Washington

Geosyntec consultants

PNR0696-01 | May 2021

Figure 2

P:\CAD_GIS\Projects\PNR0696_Sunnyside\MXDs\Sampling Results\Figure 2 Off-Site Groundwater Investigation Locations.mxd 5/5/2021 12:31:39 PM

APPENDIX A

On-Site Investigation and Groundwater Monitoring Data Transmittal

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Appendix A
On-Site Investigation and Groundwater Monitoring Data Transmittal

Former Nachurs Alpine Solutions Facility
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20 May 2021

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ACRONYMS AND ABBREVIATIONS

µg/L	micrograms per liter
bgs	below ground surface
BNSF	Burlington Northern and Santa Fe Railway
COPC	constituents of potential concern
Ecology	Washington State Department of Ecology
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ft	feet
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MTCA	Method Toxic Cleanup Act
NAS	Nachurs Alpine Solutions
NFA	No Further Action
PVC	polyvinyl chloride
USCS	Unified Soil Classification System
VCP	Voluntary Cleanup Program

1. INTRODUCTION

This On-Site Investigation and Groundwater Monitoring Data Transmittal has been prepared for the Washington State Department of Ecology (Ecology) to summarize the results of soil and groundwater sampling activities conducted during 2020 and 2021 at the former Nachurs Alpine Solutions Facility located at 101 North 1st Street, Sunnyside, Washington (the Site). This document was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Wilbur-Ellis Holdings II, Inc. (Wilbur-Ellis), the direct parent company of Nachurs Alpine Solutions, LLC (NAS).

In 2020, Geosyntec assisted NAS in enrolling the Site in Ecology's Voluntary Cleanup Program (VCP). Enrollment was based on the results of Phase I and II Environmental Site Assessments (ESA) that were prepared on behalf of NAS, in 2017 and 2018 by August Mack Environmental (August Mack 2017, 2018). The property owner, Burlington Northern Santa Fe (BNSF) required this ESA prior to terminating the NAS lease. The 2017 Phase I ESA and 2018 Phase II ESA were provided to Ecology by BNSF, and Ecology provided early notice to BNSF in July 2018, indicating that additional investigation activities were necessary to characterize impacts to the Site and perform a cleanup action. The VCP site cleanup name is recorded as Nachurs Alpine Solutions (FS ID 29243, CS ID 14601).

Concurrent with enrollment in the VCP, Geosyntec submitted a *Groundwater Well Installation and Monitoring Work Plan* (Geosyntec, 2020a) and the *Response to Comments and Addendum to Groundwater Well Installation and Monitoring Work Plan* (Geosyntec, 2020b), approved by Ecology on 13 July 2020 (Ecology, 2020b) and collectively referred to as the (Work Plan). Following submission, Ecology advised Geosyntec that the Site-specific constituents of potential concern (COPCs) in groundwater are arsenic, cobalt, molybdenum, nickel, and nitrate as nitrogen (Ecology, 2020a). The scope of work in the Work Plan was approved by Ecology included collection of additional on-Site soil and grab groundwater samples to supplement the 2018 August Mack Phase II ESA. Based on these results four ground water monitoring wells were installed at the Site with quarterly groundwater monitoring of water levels and COPCs. To date, three quarterly groundwater monitoring events have been conducted (3rd, 4th Quarter of 2020 and 1st Quarter of 2021).

Results of the 2020 soil and grab groundwater sampling, well installation, and three quarters of groundwater monitoring are presented herein to support the proposed Off-Site Investigation Work Plan. These results will be further evaluated in the Remedial Investigation and Feasibility Study (RI/FS) for the Site.

2. ON-SITE SOIL AND GROUNDWATER INVESTIGATION AND MONITORING ACTIVITIES

Sampling and monitoring activities were conducted in two phases. An initial on-Site investigation was completed first and included the collection of an additional 22 soil and 8 grab groundwater samples to supplement the 2018 Phase II ESA results. The objective of the initial on-Site investigation was to collect data to enhance understanding of nature and extent of COPCs on-Site relative to background levels. Based on findings from the initial investigation, four on-Site wells were installed to collect Site-specific groundwater elevation data, groundwater geochemistry data, and assess seasonal variability in groundwater elevations, groundwater gradient, and COPC concentrations.

2.1 Initial Soil and Groundwater Investigation Activities

Initial soil and grab-groundwater sampling activities took place on 5 August 2020, in accordance with the Ecology-approved Work Plan and its Addendum (Geosyntec 2020a, 2020b; Ecology 2020a, 2020b). Prior to commencing the on-Site investigation, Washington Utility Notification Center was contacted, and a private underground utility locate subcontractor (Utilities Plus) surveyed the proposed soil and groundwater sample locations for subsurface utilities. Once the locations were cleared for utilities, Geosyntec worked with a Washington State-licensed driller (Environmental Services Network [ESN] Northwest) to drill and sample soil and groundwater at up to 10 locations. Grab-ground water samples were collected from 8 of the 10 borings. The locations are shown in **Figure 2**. During the on-Site field investigation activities one duplicate soil and groundwater sample was collected by Geosyntec.

ESN Northwest used a direct push drill rig with vinyl acetate sleeves to collect soil cores from each soil boring. Soil was logged by a Geosyntec field geologist using the Unified Soil Classification System (USCS), boring logs are provided in **Attachment 1**. Soil samples were collected at ten locations (SB-3, SB-4, SB-5, SB-8, SB-9, SB-10, SB-12, SB-13, SB-14, and SB-15). Soil samples were collected from borings at up to two intervals (depending on pre-existing soil data): 0 to 3 ft bgs and 3.5 to 5.5 ft bgs to evaluate COPC concentrations at the ground surface and directly above first encountered groundwater. First groundwater was generally encountered between 4 and 6 ft bgs.

Groundwater samples were collected using a temporary well consisting of a polyvinyl chloride (PVC) casing inserted into the borehole with a screen placed in first groundwater, approximately 5 to 10 feet below ground surface (ft bgs). Grab-groundwater samples were collected at eight locations (SB-3, SB-4, SB-5, SB-8, SB-12, SB-13, SB-14, and SB-15).

Soil and groundwater samples were analyzed for Site COPCs, as discussed in Section 2.4 below. After the soil borings and grab groundwater sampling was completed, the temporary well materials were removed and borings were backfilled with bentonite to ground surface.

2.2 Groundwater Monitoring Well Installation

Monitoring wells MW-1 through MW-4 were installed on 25 August 2020 and developed on 26 August 2020, in accordance with the approved Work Plan (Geosyntec 2020a, 2020b; Ecology, 2020b). Geosyntec collected an additional eight soil samples during well installation (two soil samples at each of the four wells). Soil was logged by a Geosyntec field geologist using the USCS and boring logs are provided in **Attachment 1**. Soil samples were collected from the same depth intervals as in Section 2.1 above.

ESN Northwest installed the four monitoring wells using hollow-stem auger. Soil borings were drilled to a depth of 15 ft bgs. Within the borehole, the well was constructed using a two-inch schedule 40 PVC casing with 0.01-inch slotted screen from 5 to 15 ft bgs and a bottom cap. A sand filter pack was installed around the screened interval to 2 ft above the top of screen. Two feet of hydrated bentonite chips were placed on top of the sand pack, followed by 1 foot of cement grout until level with ground surface, where a flush-mount, traffic-rated well cover was installed.

After at least 24 hours, each well was developed using a combination of surging, bailing, and pumping. Each well casing was surveyed by PLSA of Yakima, Washington, on 30 August 2020 to provide top of casing elevations and coordinates for each well. Top of casing elevations are provided in **Table 1**.

The locations of the monitoring wells were based on a review of analytical results from the initial soil and groundwater investigation. Based on findings during the on-Site investigation, monitoring well MW-2 was moved approximately 20 feet east and MW-3 was moved approximately 20 feet west of the locations proposed in the Work Plan. The four wells were installed as follows:

- MW-1 was installed as an upgradient, background well and is located west-northwest of the Site, proximal to the railroad track.
- MW-2 was installed in the center of the Site, immediately downgradient of the area that formerly housed multiple fertilizer ASTs and within the area that formerly contained a concrete pad likely used for loading of fertilizer at the Site. The purpose of this monitoring well is to assess potential groundwater impact from historical fertilizer storage and loading/unloading activities. This well is also located within the areas with the highest COPC concentrations in grab groundwater samples.
- MW-3 was installed along the northern boundary of the Site, providing spatial distribution for evaluating groundwater gradients at the Site. This well is located within an area that

contained above ground storage tanks prior to 1990 and along an upgradient portion of the Site.

- MW-4 is installed at the downgradient edge of the Site, downgradient of historical Site operations.

2.3 Quarterly Groundwater Monitoring Activities

During quarterly groundwater sampling events, groundwater samples were collected from the four on-Site wells (MW-1, MW-2, MW-3, and MW-4) and analyzed for Site COPCs. A duplicate sample was also collected for a total of five samples collected during each event. Prior to sampling each monitoring well, the wells were purged at a rate between 100 and 500 milliliters per minute and dedicated tubing. Groundwater parameters (depth to groundwater, temperature, conductivity, pH, turbidity, dissolved oxygen, and oxidation-reduction potential) were recorded prior to purging and approximately every 3 minutes during purging. Once field parameters stabilized or three well volumes had been purged then groundwater samples were collected for Site COPCs. Field notes (groundwater purge and sample logs) from Blaine Tech Services for each quarterly sampling event are included in **Attachment 2**.

Samples were collected in accordance with the Work Plan with one exception. During the first quarterly groundwater sampling event (2 September 2020), groundwater samples were inadvertently not analyzed for total metals (arsenic, cobalt, molybdenum, or nickel); however, dissolved metals were analyzed. The error was corrected during the second and third quarterly sampling events.

2.4 Laboratory Analysis

Samples collected during the initial investigation and groundwater monitoring were placed into a cooler with ice immediately after collection and shipped to ALS Environmental using standard chain-of-custody procedures. Soil samples obtained during the on-Site investigation and well installation were analyzed for metals (arsenic, cobalt, molybdenum, and nickel) by Environmental Protection Agency (EPA) Method 6020 and nitrate as nitrogen by EPA Method 300.0 modified. Groundwater samples collected during the on-Site investigation and quarterly monitoring events were analyzed for Site COPCs total and dissolved metals (arsenic, cobalt, molybdenum, and nickel by EPA Method 200.8) and nitrate-nitrite as nitrogen (EPA Method 300.0). Dissolved metals samples were field filtered.

2.5 Investigation Derived Waste

Investigation derived waste that was generated during installation and development activities, including soil cuttings and decontamination and purge water, were containerized in labeled Department of Transportation-approved steel drums. Geosyntec collected one composite soil and

one composite water sample for waste profiling. These samples were submitted to the analytical laboratory for analysis of Resource Conservation and Recovery Act (RCRA) 8 metals (EPA Methods 6010 and 7470), volatile organic compounds (EPA Method 8260), NWTPH (Diesel, Motor oil, and gasoline ranges), and Static Acute Fish Toxicity Test (Method 80-12). These drums will be disposed of at an off-Site landfill in accordance with State and Federal regulations.

3. SAMPLING RESULTS

3.1 Geology/Hydrogeology

Boring and well construction logs are provided in **Attachment 1** and depth to water and groundwater elevations from groundwater monitoring are summarized in **Table 1.** Based on field observations from the initial Site investigation and monitoring well installation, the upper 2 feet of soil at the Site consists of sand/gravel fill, underlain by a predominantly silty sand that extends to 15 ft bgs with intermittent lens of sandy silt, silt, sand, or gravel. MW-4 contained an approximately 6-inch asphalt layer that separated the sand/gravel fill and underlying silty sand. Soil was general observed to be wet at a depth of approximately 5 ft bgs in soil cores.

Groundwater elevation data and interpreted groundwater elevation contours for the three quarterly groundwater sampling events are presented in **Figure 3a**, **3b**, and **3c**. Over the three quarters, depth to groundwater in the wells ranges from approximately 2.72 to 3.05 feet below top of casing (ft btoc) in the upgradient well, MW-1, to approximately 5.32 to 5.78 ft btoc in the downgradient well, MW-4. These depths to groundwater correspond to groundwater elevations ranges from approximately 739 to 740 ft above mean sea level. Over the three quarters, groundwater levels fluctuated up to 0.5 ft.

Based on the groundwater elevation contours, the groundwater gradient at the Site was observed to be in a southeasterly direction during all three quarters. Horizontal gradients (elevation difference in feet per foot of horizontal distance) were calculated to be 0.0060 feet per feet (ft/ft) 0.0056 ft/ft, and 0.0041 ft/ft for the September 2020, December 2020, and March 2021 events, respectively.

3.2 COPC Results

Laboratory analytical results are provided in **Attachment 3**. Soil results from the soil investigation and well installation are summarized in **Table 2** and groundwater results, including grab and well samples, are summarized in **Table 3**. **Tables 2** and **3** also include results from the 2018 Phase II ESA. Soil results are compared to Model Toxics Control Act (MTCA) Cleanup Levels, including MTCA Method A (sites with few hazardous substances), B (unrestricted land use), and C (qualifying site uses and conditions [e.g. industrial]) cleanup levels, and are compared to

Washington State background concentrations for soil. Groundwater results are compared to MTCA Cleanup Levels for groundwater. Results of the laboratory quality assurance/quality control review and results by media and sample type are presented below.

3.2.1 Quality Assurance/Quality Control Review

Geosyntec performed a quality assurance/quality control (QA/QC) review of the analytical data. Data were reviewed for completeness, accuracy, precision, sample contamination, conformance with holding times, and detection limits within acceptable ranges. This data quality review included the following:

- Duplicate samples were collected from MW-4 during the September and December 2020 quarterly sampling events and MW-2 during the March 2021 quarterly sampling events. Duplicate samples were submitted blind to the analytical laboratory. Analytical results for MW-2 and MW-4 showed relative percent differences within control limits for all compounds detected.
- Three method blanks were used to separately analyze for nitrate as nitrogen, total metals (arsenic, cobalt, molybdenum, and nickel), and dissolved metals (arsenic, cobalt, molybdenum, and nickel) by the analytical laboratory. No analytes were detected in any of the blanks.
- Matrix spike and matrix spike duplicate (MS/MSD) results that paired with project samples were within control limits for all compounds analyzed.
- Laboratory control sample (LCS) results were within control limits for all compounds analyzed.

Based on the data quality review, the data are of acceptable quality for the purposes of this report.

3.2.2 Soil Results

Site COPCs of cobalt, molybdenum, nickel, and nitrate as nitrogen were detected in soil samples; however, none of the detected concentrations exceeded Ecology's observed regional background levels and MTCA Cleanup Levels. Arsenic was the only COPC detected in soil above MTCA Cleanup Levels. Arsenic concentrations in all samples exceed MTCA Method B Cleanup Level; however, arsenic results were at or below Ecology's observed regional background concentrations of arsenic in soil.

3.2.3 Grab-Groundwater Results

The laboratory results from August 2020 sampling indicated that COPCs of arsenic, cobalt, molybdenum, and nitrate were detected in groundwater above MTCA Cleanup Levels, including upgradient sampling location SB-8, located on the northwestern edge of the property. Nickel was

also detected in samples collected from the eight locations but at concentrations below MTCA Cleanup Levels.

Within the central and downgradient portions of the Site, concentrations were elevated compared to the upgradient concentrations for arsenic, cobalt, molybdenum, and nitrate. The highest concentration of arsenic was observed at SB-3 (located on the southern central edge of the Site) with a concentration of 520 µg/L, SB-13 (located on the central eastern half of the Site) had the highest observed concentration of cobalt (79 µg/L) and nitrate as nitrogen (1,200 µg/L), and SB-15 (located central eastern edge of the Site) had the highest concentration of molybdenum at 290 µg/L. Concentrations in groundwater samples collected from the downgradient portion of the Site were similar to results observed in the central portion of the property, with the exception that the highest concentration of molybdenum was observed at SB-15 (290 µg/L).

3.2.4 Quarterly Groundwater Results

Quarterly groundwater results showed similar spatial distribution of COPCs to the grab groundwater results; however, concentrations of COPCs were generally lower than the grab samples and concentrations of nitrate as nitrogen appeared to decline 70 to 80% after the first sampling event in September 2020. During the first groundwater sampling event (September 2020), wells located upgradient or on the northern portion of the property (MW-1 and MW-3) contained groundwater that exceeded MTCA Cleanup Levels for arsenic and nitrate as nitrogen, other Site COPCs were below MTCA Cleanup Levels. During the second (December 2020) and third (March 2021) groundwater sampling events, groundwater samples in upgradient wells MW-1 and MW-3 had concentrations of arsenic that exceeded MTCA Cleanup Levels, other Site COPCs were below MTCA Cleanup Levels.

The results from the three quarters of groundwater sampling showed that groundwater results from the four monitoring wells exceeded MTCA Method B Cleanup Levels for arsenic during all three sampling events with the highest concentrations of arsenic in groundwater observed at MW-2 (located on the southern central edge of the Site) with total and dissolved arsenic concentrations ranging from 110 µg/L to 210 µg/L. During the three quarterly sampling events MW-2 also contained groundwater with MTCA Cleanup Level exceedances for cobalt and nitrate as nitrogen. The highest concentrations of cobalt, molybdenum, and nitrate as nitrogen in groundwater were observed at MW-4. The maximum observed concentration of total and dissolved cobalt in groundwater was 18 and 19 µg/L, respectively. The maximum observed concentration of total and dissolved molybdenum in groundwater was 130 µg/L. The maximum observed concentration of nitrate as nitrogen in groundwater at MW-4 was 760 µg/L during the first quarterly sampling event. Concentrations of nitrate as nitrogen in groundwater at MW-4 decreased to 160 µg/L during the second and third quarterly sampling events (December 2020 and March 2021). Nickel was not

observed in groundwater above MTCA Cleanup Levels during any of the three quarterly sampling events.

4. CONCLUSIONS

In conclusion, impacts to the Site above background levels and MTCA cleanup levels appear to be limited to groundwater and include COPCs of arsenic, cobalt, molybdenum, and nitrate as nitrogen. Concentrations of these COPCs in groundwater appear to be elevated compared to background levels in the central portion of the Site and extend to the downgradient boundary of the Site. In the 2020 and 2021 groundwater samples, nickel concentrations were observed to be below MTCA Cleanup Levels. Soil concentrations were found to be below MTCA Cleanup Levels or within background levels for all COPCs, and as such, no additional soil investigation is planned for the Site.

5. REFERENCES

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Geosyntec Consultants, 2020a. Groundwater Well Installation and Monitoring Work Plan, 101 North 1st Street, Sunnyside, Washington. 30 April 2020.

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Geosyntec consultants

TABLES

Table 1: Groundwater Elevation Summary

Former Nachurs Alpine Solutions Facility
Sunnyside, Washington

WELL NO.	MW-1		MW-2		MW-3		MW-4	
DIAMETER (in)	2		2		2		2	
WELL DEPTH (ft)	15.00		15.00		15.00		15.00	
SCREEN INTERVAL (ft)	5-15		5-15		5-15		5-15	
TOC ELEVATION (ft)	743.33		744.40		744.41		744.40	
DATE	**ELEV (ft)**	**DTW (ft)**	**ELEV (ft)**	**DTW (ft)**	**ELEV (ft)**	**DTW (ft)**	**ELEV (ft)**	**DTW (ft)**
9/2/2020	740.35	2.98	739.42	4.98	738.99	5.42	738.62	5.78
12/9/2020	740.61	2.72	739.73	4.67	739.19	5.22	738.99	5.41
3/3/2021	740.28	3.05	739.45	4.95	739.23	5.18	739.08	5.32

Notes:
DTW = depth to water
ELEV = elevation (ft NAVD88)
ft = feet
in = inches

Table 2: Soil Analytical Results Summary

Former Nachurs Alpine Solutions Facility
Sunnyside, Washington

Location	Date Collected	Sample Depth (ft bgs)	*EPA Method 300.0 Modified*	*EPA method 200.8*			
			Nitrate	Arsenic	Cobalt	Molybdenum	Nickel
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MW-1	8/25/2020	0-3	**50**	**5.2**	**12**	**0.69**	**19**
	8/25/2020	3.5-5	**23**	**7.1**	**10**	**0.58**	**18**
MW-2	8/25/2020	0-3	**6.5**	**2.2**	**6**	**0.69**	**8.1**
	8/25/2020	3.5-5	**34**	**3.5**	**12**	**0.29**	**12**
MW-3	8/25/2020	0-3	**4.8**	**3.7**	**11**	**0.65**	**13**
	8/25/2020	3.5-5	**12**	**7.6**	**11**	**1.1**	**14**
MW-4	8/25/2020	0-3	**7.0**	**3.8**	**10**	**1.5**	**15**
	8/25/2020	3.5-5	**7.2**	**4.6**	**10**	**0.69**	**15**
SB-1	2/7/2018	0-3	<5.9	**5.0**	**8.5**	<1.1	**13**
SB-2	2/7/2018	0-3	<5.6	**3.8**	**9.2**	<1.1	**10**
SB-3	2/7/2018	0-3	**14**	**4.4**	**9.4**	<1.1	**13**
	8/5/2020	4.5-5	**190**	**5.0**	**14**	**0.31**	**16**
SB-4	2/7/2018	0-3	**26**	**4.6**	**9.2**	<1.2	**13**
	8/5/2020	3.5-5.5	**460**	**6.2**	**11**	**0.6**	**15**
SB-5	2/7/2018	0-3	**8.5**	**5.2**	**9.9**	<1.2	**15**
	8/5/2020	4-6	**140**	**9.3**	**13**	**0.93**	**17**
SB-6	2/7/2018	0-3	**9.1**	**5.0**	**9.6**	<1.2	**15**
SB-7	2/7/2018	0-3	**10**	**4.3**	**9.6**	<1.1	**15**
SB-8	2/7/2018	0-3	**43**	**8.0**	**9.6**	**1.8**	**19**
	8/5/2020	3.5-5.5	**60**	**10**	**16**	**2.3**	**18**
SB-9	8/5/2020	0-3	**70**	**4.0**	**10**	0.9	**14**
	2/8/2018	4-6	**57**	**10.1**	**9.8**	<1.2	**13**
SB-10	8/5/2020	0-3	**340**	**3.4**	**16**	0.81	**12**
	2/8/2018	4-6	**61**	**7.3**	**11**	<1.2	**15**
SB-11	2/8/2018	4-6	**12**	**7.3**	**9.4**	<1.1	**14**
SB-12	8/5/2020	0-3	**29**	**3.9**	**11**	**0.54**	**15**
	8/5/2020	3.5-5	**57**	**5.7**	**12**	**0.82**	**15**
SB-13	8/5/2020	0-3	**300**	**4.1**	**9.6**	**0.79**	**14**
	8/5/2020	4-6	**260**	**5.4**	**12**	**1.20**	**15**
SB-14	8/5/2020	0-3	**28**	**4.9**	**11**	**0.88**	**14**
	8/5/2020	4-6	**130**	**5.4**	**10**	**0.83**	**14**
SB-15	8/5/2020	0-3	**400**	**3.8**	**11**	**0.98**	**16**
	8/5/2020	4-6	**930**	**5.5**	**11**	**1.9**	**15**
MTCA Method A Cleanup Levels			--	**20**	--	--	--
MTCA Method B Cleanup Levels			**130,000**	**0.67**	**24**	**400**	**1,600**
MTCA Method C Cleanup Levels			**5,600,000**	**88**	**1,100**	**18,000**	--
Background Concentration			--	**10**	--	--	**20**

Notes:

1. Constituents shown include those analyzed in 2020 or were detected at least once during the 2018 sampling event. Data from 2018 are from August Mack Phase II Subsurface Investigation.
2. Results compared to State of Washington, Department of Ecology, Model Toxics Cleanup Act (MTCA) screening levels.
3. Background concentrations were taken from the Washington Department of Ecology, *Natural Background Soil Metals Concentrations in Washington State, October 1994.*

Acronyms:

< = Not detected above the reported laboratory method detection limit
-- = No screening level avaliable
mg/kg = micrograms per kilogram
MW = monitoring well
NA = Not Analyzed
SB = soil boring
Bold = Analyte was detected
Highlight = Analyte was detected at a concentration exceeding the corresponding MTCA Method A cleanup level
Highlight = Analyte was detected at a concentration exceeding the corresponding MTCA Method B cleanup level
Highlight = Analyte was detected at a concentration exceeding the corresponding MTCA Method C cleanup level
Highlight = Analyte was detected at a concentration exceeding "background" levels

Table 3: Groundwater Analytical Results Summary

Former Nachurs Alpine Solutions Facility
Sunnyside, Washington

Location		Screen Interval Depth (ft)	Date Collected	*Dissolved Metals by EPA Methods 6010/7471*									*Total Metals by EPA Methods 6010/7471*									*Nitrogen Compounds by EPA Method*
				Arsenic (dissolved) (µg/L)	Cadmium (dissolved) (µg/L)	Cobalt (dissolved) (µg/L)	Lead (dissolved) (µg/L)	Mercury (dissolved) (µg/L)	Molybdenum (dissolved) (µg/L)	Nickel (dissolved) (µg/L)	Selenium (dissolved) (µg/L)	Zinc (dissolved) (µg/L)	Arsenic (µg/L)	Cadmium (µg/L)	Cobalt (µg/L)	Lead (µg/L)	Mercury (µg/L)	Molybdenum (µg/L)	Nickel (µg/L)	Selenium (µg/L)	Zinc (µg/L)	Nitrogen, Nitrate (mg/L)
On-Site Groundwater Monitoring Wells																						
MW-1	Up-Gradient	5-10	09/02/20	**14**	NA	< 1.0	NA	NA	**29**	< 2.0	NA	NA	NA[3]	NA	NA[3]	NA	NA	NA[3]	NA[3]	NA	NA	**68**
			12/9/20	**10**	NA	< 1.0	NA	NA	**28**	< 2.0	NA	NA	**10**	NA	<1.0	NA	NA	**29**	< 2.0	NA	NA	**19**
			3/3/21	**8.8**	NA	< 1.0	NA	NA	**23**	< 2.0	NA	NA	**8.9**	NA	< 1.0	NA	NA	**23**	< 2.0	NA	NA	**20**
MW-2	Down-Gradient	5-10	09/02/20	**210**	NA	**9**	NA	NA	**32**	**66**	NA	NA	NA[3]	NA	NA[3]	NA	NA	NA[3]	NA[3]	NA	NA	**430**
			12/9/20	**130**	NA	**7**	NA	NA	**28**	**74**	NA	NA	**130**	NA	**7.5**	NA	NA	**28**	**76**	NA	NA	**89**
			3/3/21	**110/110**	NA	**9.7/10**	NA	NA	**39/41**	**81/83**	NA	NA	**110/110**	NA	**10/9.7**	NA	NA	**41/39**	**81/82**	NA	NA	**98/97**
MW-3	Up-Gradient	5-10	09/02/20	**72**	NA	< 1.0	NA	NA	**36**	< 2.0	NA	NA	NA[3]	NA	NA[3]	NA	NA	NA[3]	NA[3]	NA	NA	**83**
			12/9/20	**80**	NA	< 1.0	NA	NA	**41**	**2.1**	NA	NA	**81**	NA	<1.0	NA	NA	**40**	**2.1**	NA	NA	**22**
			3/3/21	**87**	NA	< 1.0	NA	NA	**41**	**2.0**	NA	NA	**85**	NA	< 1.0	NA	NA	**36**	< 2.0	NA	NA	**23**
MW-4	Down-Gradient	5-10	09/02/20	**65/64**	NA	**19/19**	NA	NA	**130/130**	**80/79**	NA	NA	NA[3]	NA	NA[3]	NA	NA	NA[3]	NA[3]	NA	NA	**760/800**
			12/9/20	**66/65**	NA	**15/15**	NA	NA	**120/120**	**66/62**	NA	NA	**68/67**	NA	**15/15**	NA	NA	**120/120**	**66/64**	NA	NA	**160/160**
			3/3/21	**69**	NA	**18**	NA	NA	**130**	**70**	NA	NA	**67**	NA	**18**	NA	NA	**130**	**69**	NA	NA	**160**
On-Site Grab-Groundwater																						
SB-3-GW	Down-Gradient	6-10	08/05/20	**520**	NA	**22**	NA	NA	**83**	**91**	NA	NA	**580**	NA	**110**	NA	NA	**69**	**170**	NA	NA	**1,000**
SB-4-GW	Down-Gradient	6-10	08/05/20	**100**	NA	**3**	NA	NA	**160**	**11**	NA	NA	**160**	NA	**57**	NA	NA	**130**	**82**	NA	NA	**240**
SB-5 GW	Up-Gradient	6-10	08/05/20	**45**	NA	**1.6**	NA	NA	**190**	**10**	NA	NA	**48**	NA	**4.8**	NA	NA	**180**	**14**	NA	NA	**370**
SB-8-GW	Up-Gradient	6-10	08/05/20	**10**	NA	**1.0**	NA	NA	**130**	**3.2**	NA	NA	**21**	NA	**24**	NA	NA	**120**	**25**	NA	NA	**150**
SB-9-GW	Down-Gradient	7-10	02/08/18	**21.4**	<2.0	**14.6**	<10.0	<2.0	**122**	**61.8**	<10.0	<20.0	**373**	**2.9**	**438**	**374**	<2.0	**92.4**	**736**	**12.7**	**2,650**	**170**
SB-10-GW	Down-Gradient	7-10	02/08/18	**28.2**	<2.0	**22.9**	<10.0	<2.0	**194**	**146**	<10.0	<20.0	**29.5**	<2.0	**23.5**	<10.0	<2.0	**194**	**146**	<10.0	<20.0	**240**
SB-11-GW	Up-Gradient	7-10	02/08/18	**10.9**	<2.0	<10.0	<10.0	<2.0	**110**	**10.5**	<10.0	<20.0	<10.0	<2.0	<10.0	<10.0	<2.0	**110**	**11.5**	<10.0	<20.0	**120**
SB-12-GW	Down-Gradient	5-10	08/05/20	**28**	NA	**2.9**	NA	NA	**110**	**23**	NA	NA	**27**	NA	**6.2**	NA	NA	**120**	**33**	NA	NA	**450**
SB-13-GW	Down-Gradient	6-10	08/05/20	**12**	NA	**79**	NA	NA	**150**	**200**	NA	NA	**65**	NA	**120**	NA	NA	**120**	**260**	NA	NA	**1,200**
SB-14-GW	Down-Gradient	7-10	08/05/20	**49**	NA	**65**	NA	NA	**150**	**74**	NA	NA	**47**	NA	**72**	NA	NA	**160**	**74**	NA	NA	**780**
SB-15-GW	Down-Gradient	6-10	08/05/20	**83/80**	NA	**2.0/2.0**	NA	NA	**290/280**	**10/18**	NA	NA	**78/79**	NA	**3.1/7.0**	NA	NA	**290/280**	**12/9.8**	NA	NA	**460/460**
MTCA Method A Cleanup Levels				**5**	**5**	--	**15**	**2**	--	--	--	--	**5**	**5**	--	**15**	**2**	--	--	--	--	--
MTCA Method B Cleanup Levels				**0.058**	**8**	**5**	--	--	**80**	**320**	**80**	**4,800**	**0.058**	**8**	**5**	--	--	**80**	**320**	**80**	**4,800**	**26**
MTCA Method C Cleanup Levels				**0.580**	**5**	**11**	--	--	**180**	--	--	--	**0.580**	**5**	**11**	--	--	**180**	--	--	--	**56**

Notes:
1. Constituents shown include those analyzed in 2020 or were detected at least once during the 2018 sampling event. Data from 2018 are from August Mack Phase II Subsurface Investigation.
2. Results compared to State of Washington, Department of Ecology, Model Toxics Cleanup Act (MTCA) screening levels.
3. Due to field staff oversight, total metals samples were inadvertently not collected from the monitoring wells on 2 September 2020.
4. Shaded cells show MTCA exceedance, the higher MTCA concentration is shaded if exceedance is above two MTCA levels.
5. Cells containing a "#/#" contain the original sample and duplicate sample results, respectively.

Acronyms:
< = Not detected above the reported laboratory method detection limit.
-- = No screening level available
µg/L = micrograms per liter
EPA = Environmental Protection Agency
GW = groundwater
mg/L = milligrams per liter
MW = monitoring wells
NA = Not Analyzed
SB = soil borings
Bold = Analyte was detected.
Highlight = Analyte was detected at a concentration exceeding the corresponding MTCA Method A cleanup
Highlight = Analyte was detected at a concentration exceeding the corresponding MTCA Method B cleanup
Highlight = Analyte was detected at a concentration exceeding the corresponding MTCA Method C cleanup

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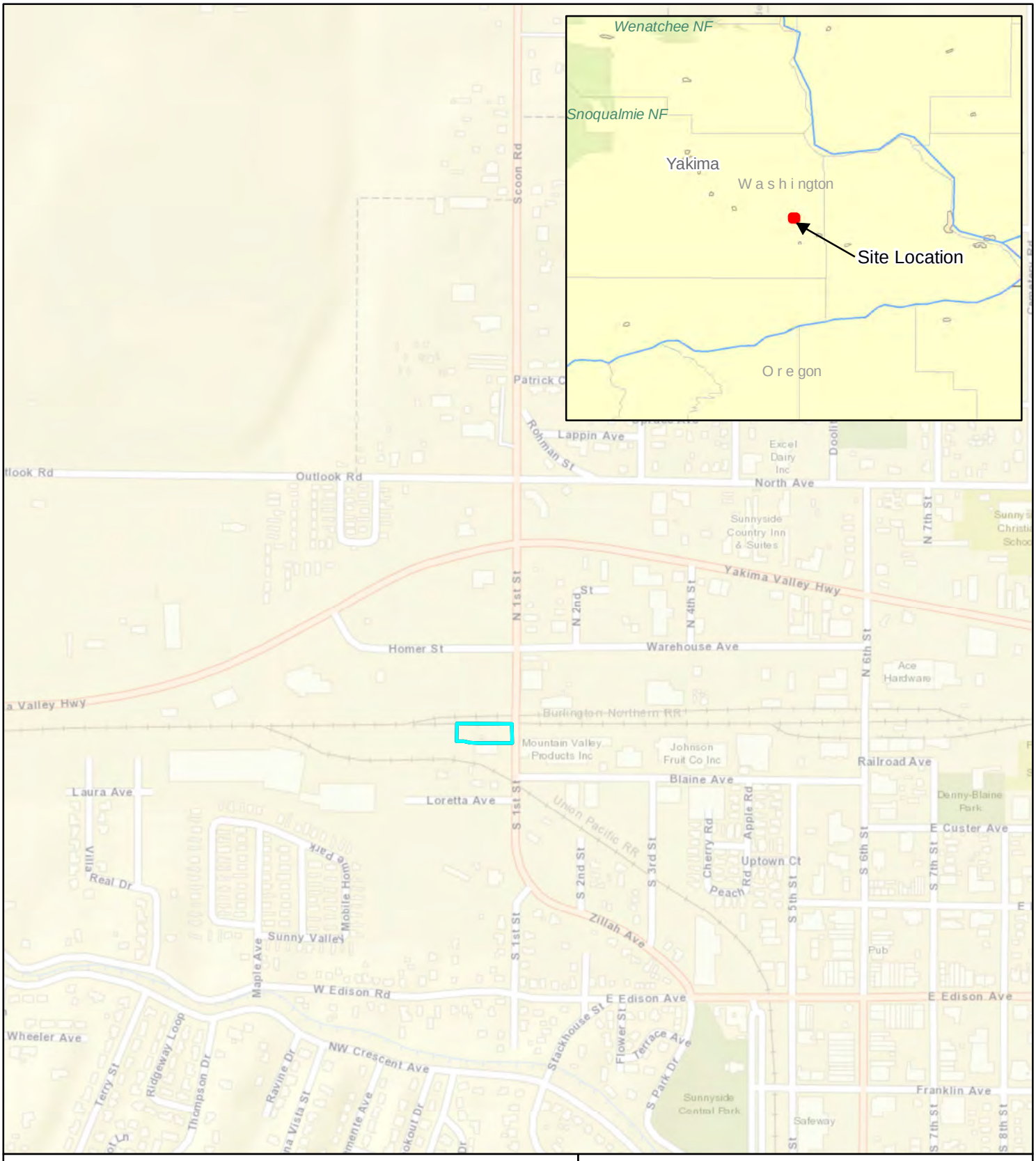
FIGURES



Legend

Site Location

N

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

0 0.05 0.1 0.2 0.3 Miles

Site Location Map

101 North 1st Street
Sunnyside, Washington

Geosyntec consultants

PNR0696-01	May 2021

Figure 1

S:\CAD_GIS\Projects\PNR0696_Sunnyside\MXDs\Figure 1 Site Location Map.mxd 3/26/2020 3:57:16 PM

Notes:
Map provided by ESRI Basemaps 2016.
Groundwater elevations in ft amsl are posted for each groundwater monitoring well location and groundwater elevation contour. Depth to groundwater measurements were collected by BlaineTech Services on September 2,2020.
AST = Aboveground Storage Tank
ft amsl = feet above mean sea level
General groundwater flow direction based on gradients reported at MW-1 thru 4 samples collected September 2,2020.

Legend

- Monitoring Well and Soil Sample Location
- Grab Groundwater and Soil Sample Location
- General Groundwater Gradient
- Site Boundary
- Former AST Area (Pre-1999)
- Former Building Location (Pre-1999)
- Former AST Area with Secondary Containment (1999-2017)
- Former Building Location (1999-2017)
- Former Concrete Loading Pad (1999 – 2017)

N

0 50 Feet

2018 and 2020 Site Investigation Locations

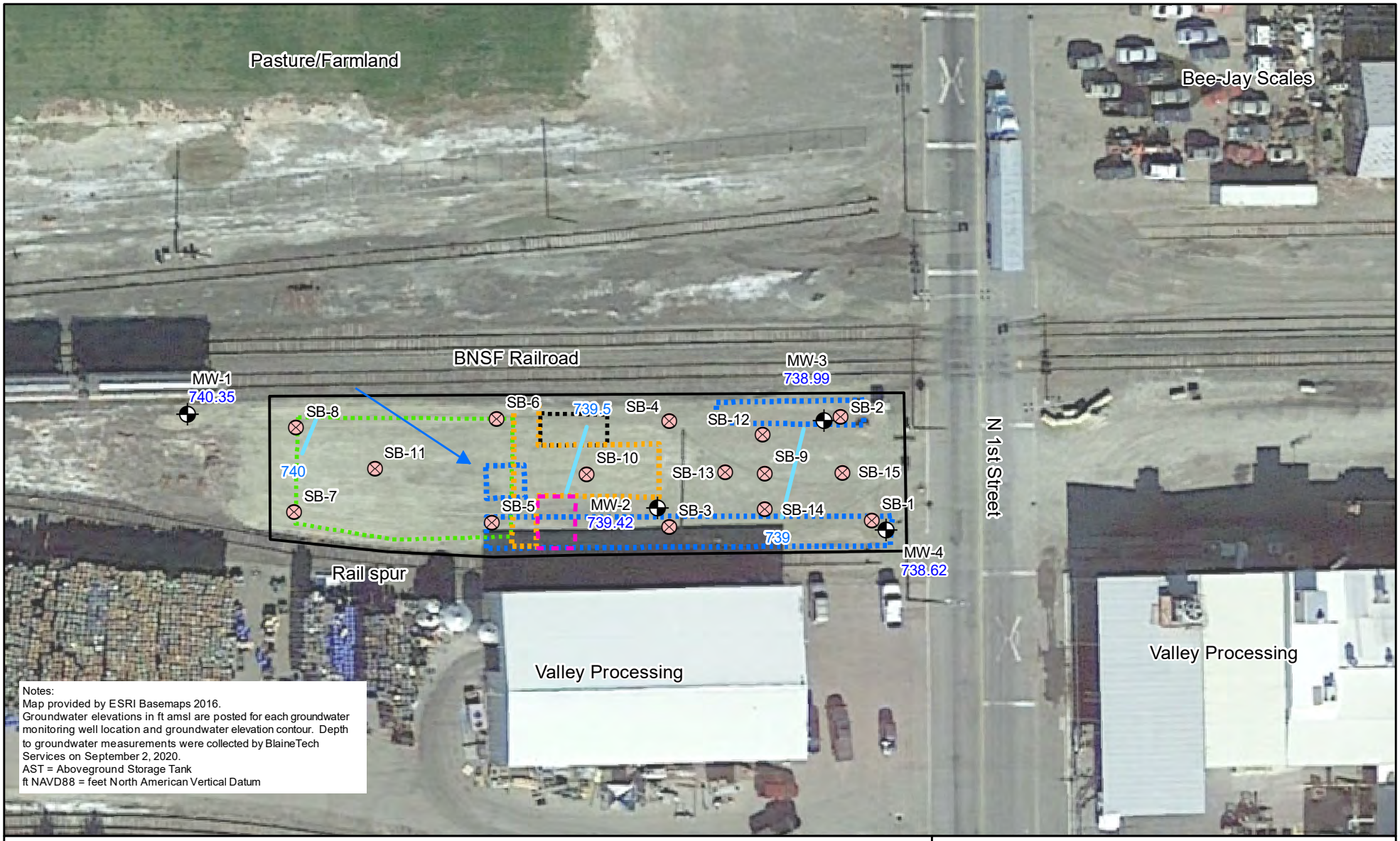
101 North 1st Street
Sunnyside, Washington

Geosyntec consultants

PNR0696-01 | May 2021

Figure 2

P:\CAD_GIS\Projects\PNR0696_Sunnyside\MXDs\Sampling Results\Figure 1 Groundwater Elevation.mxd 10/12/2020 12:09:23 PM



Legend

- Monitoring Well and Soil Sample Location
- Grab Groundwater and Soil Sample Location
- Groundwater Elevation Contour (ft NAVD88)
- General Groundwater Gradient
- Site Boundary
- Former AST Area (Pre-1999)
- Former Building Location (Pre-1999)
- Former AST Area with Secondary Containment (1999-2017)
- Former Building Location (1999-2017)
- Former Concrete Loading Pad (1999 – 2017)

N

0 50 Feet

Groundwater Elevation Contour Map - September 2020

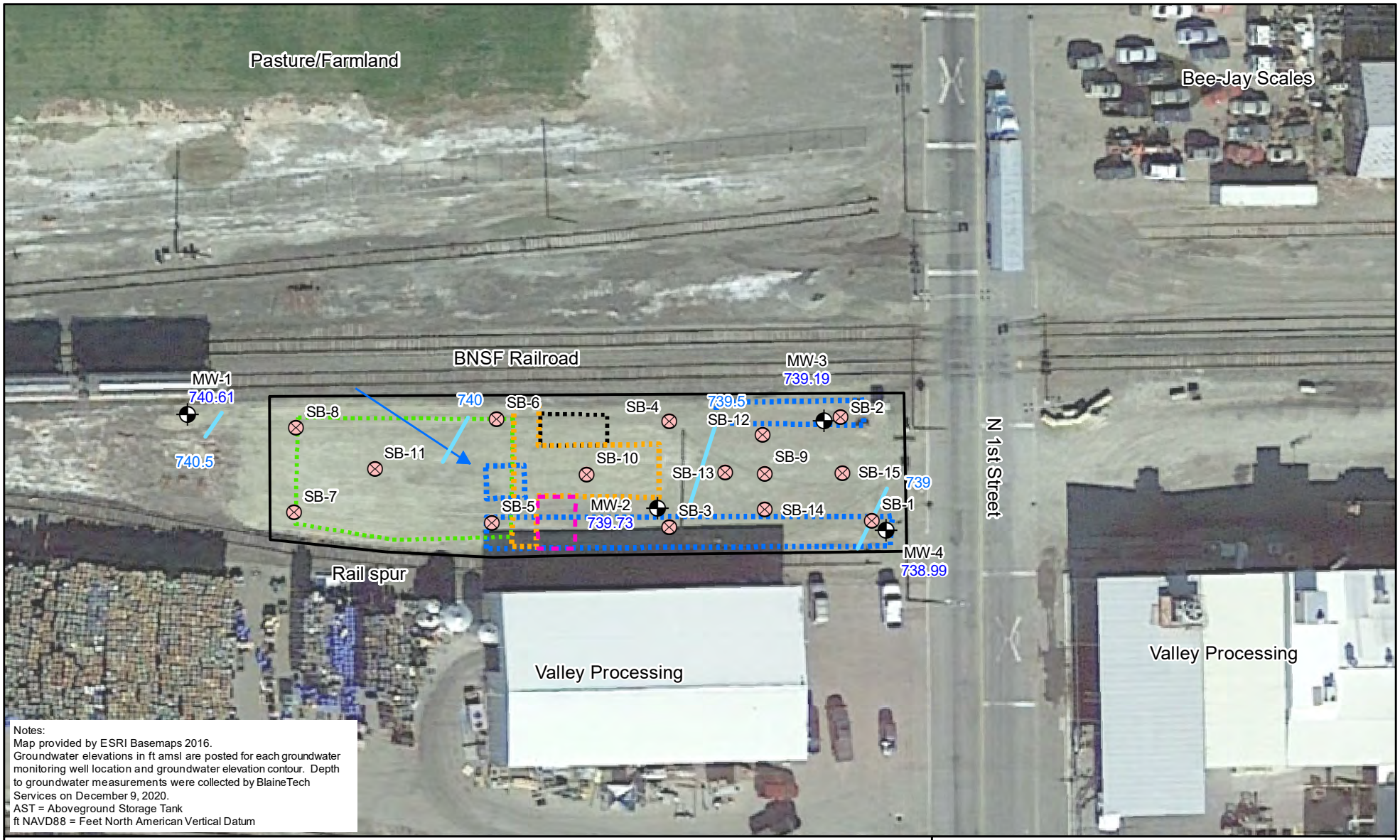
101 North 1st Street
Sunnyside, Washington

Geosyntec consultants

PNR0696-01 | May 2021

Figure 3a

P:\CAD_GIS\Projects\PNR0696_Sunnyside\MXDs\Sampling Results\Figure 3a Groundwater Elevation.mxd 4/7/2021 7:51:32 AM



Legend

- Monitoring Well and Soil Sample Location
- Grab Groundwater and Soil Sample Location
- Groundwater Elevation Contour (ft NAVD88)
- General Groundwater Gradient
- Site Boundary
- Former AST Area (Pre-1999)
- Former Building Location (Pre-1999)
- Former AST Area with Secondary Containment (1999-2017)
- Former Building Location (1999-2017)
- Former Concrete Loading Pad (1999 – 2017)

N

0 50 Feet

Groundwater Elevation Contour Map - December 2020

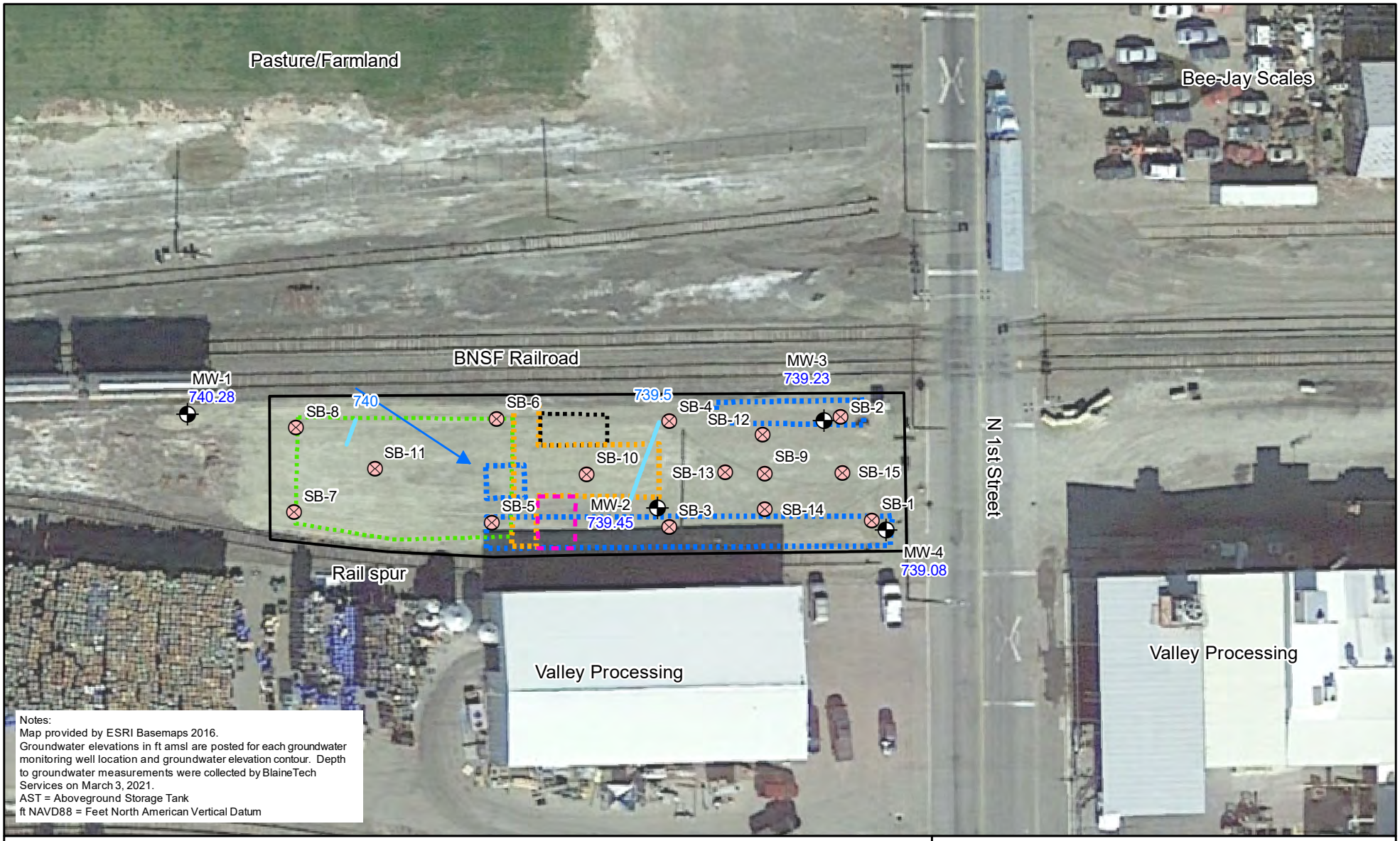
101 North 1st Street
Sunnyside, Washington

Geosyntec consultants

PNR0696-01	May 2021

Figure 3b

P:\CAD_GIS\Projects\PNR0696_Sunnyside\MXDs\Sampling Results\Figure 3b Groundwater Elevation Dec 2020.mxd 4/7/2021 7:39:42 AM



Notes:
Map provided by ESRI Basemaps 2016.
Groundwater elevations in ft amsl are posted for each groundwater monitoring well location and groundwater elevation contour. Depth to groundwater measurements were collected by BlaineTech Services on March 3, 2021.
AST = Aboveground Storage Tank
ft NAVD88 = Feet North American Vertical Datum

Legend

- Monitoring Well and Soil Sample Location
- Grab Groundwater and Soil Sample Location
- Groundwater Elevation Contour (ft NAVD88)
- General Groundwater Gradient
- Site Boundary
- Former AST Area (Pre-1999)
- Former Building Location (Pre-1999)
- Former AST Area with Secondary Containment (1999-2017)
- Former Building Location (1999-2017)
- Former Concrete Loading Pad (1999 – 2017)

N

0 50 Feet

Groundwater Elevation Contour Map - March 2021

101 North 1st Street
Sunnyside, Washington

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PNR0696-01 | May 2021

Figure 3c

P:\CAD_GIS\Projects\PNR0696_Sunnyside\MXDs\Sampling Results\Figure 3c Groundwater Elevation March 2021.mxd 4/7/2021 7:41:37 AM

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ATTACHMENT 1

Boring and Well Construction Logs

20 May 2021

Geosyntec consultants
520 Pike Street, Suite 2600
Seattle, Washington 98101
Phone: 206.496.1450

GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-3 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	% RECOVERY	PID READING (ppm)	USCS Classification	COMMENTS
	FILL, gray to brown to black, fine to coarse sand to small gravel, loose, dry, non-plastic fines, 2 cm asphalt pieces from 2.4' to 2.5', (60, 30, 10).								FILL	
	Silty fine to medium SAND, dark brown, medium dense, dry to moist @ 4,5', non-plastic fines, (0, 25, 75).		740						SM	
5				SB-3-4-5.5 (4'-5.5')		▽	80	N/A		DTW at 5.9 ft
	SILT with fine to medium sand sand, light gray, medium dense, wet, non-plastic fines, (0, 25, 75).								ML	
	Silty fine to medium sand SAND, dark brown, medium dense, dry to wet, non-plastic fines, (0, 25, 75).		735						SM	
10	Total Depth = 10 feet						70			

CONTRACTOR ESN Northwest
EQUIPMENT GEOPROBE
DRILL MTHD Direct Push
DIAMETER 3"
LOGGER NS **REVIEWER** DJ

NORTHING
EASTING
ANGLE Vertical
BEARING ------
PRINTED 04/12/21

REMARKS:

COORDINATE SYSTEM:
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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-4 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	% RECOVERY	PID READING (ppm)	USCS Classification	COMMENTS
	FILL, brown to black to gray, fine to coarse sand, small gravel, loose, dry, non-plastic fines, (75, 15, 10).								FILL	
	Fine to medium silty SAND, dark brown, , medium dense, dry to moist @ 4', (0, 75, 25).								SM	trace asphalt @ 2'
			740							
5				SB-4-3.5-5.5 (3.5'-5.5')		▽	75			DTW at 5.91 ft
	Sandy SILT with fine to medium sand, soft, wet, non-plastic fines, (0, 40, 60).								ML	
	Silty fine to medium SAND, dark brown, medium dense, wet, (0, 75, 25).		735						SM	
10	Total Depth = 10 feet						75			

CONTRACTOR ESN Northwest
EQUIPMENT GEOPROBE
DRILL MTHD Direct Push
DIAMETER 3"
LOGGER NS **REVIEWER** DJ

NORTHING
EASTING
ANGLE Vertical
BEARING ------
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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-5 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	% RECOVERY	PID READING (ppm)	USCS Classification	COMMENTS
	FILL, brown to black to grey, fine to coarse sand, small gravel, black asphalt from 1.75' to 2', loose, dry, non-plastic fines, (80, 15, 5).								FILL	
	Silty fine to medium SAND, dark brown, medium dense, dry to wet @ 6', small black and red gravel pieces from 6.5' to 7', (0, 75, 25).								SM	
			740							
5				SB-5-4-6 (4'-6')		▽	65			driller noted soft uncompressed fill @ 5'-10'
			735							DTW at 6.09 ft
10	Total Depth = 10 feet						50			

CONTRACTOR ESN Northwest
EQUIPMENT GEOPROBE
DRILL MTHD Direct Push
DIAMETER 3"
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21
NORTHING
EASTING
ANGLE Vertical
BEARING ------

REMARKS:

COORDINATE SYSTEM:
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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-8 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
	FILL, brown to gray, fine to coarse gravel, small to large gravel, loose, dry, gravel layer @ 2'-3' , (90, 10, 0).								FILL	
	Silty fine to medium SAND, dark to brown to gray, medium dense, moist to wet, (0, 75, 25).		740						SM	
5				SB-8-3.5-5.5 (3.5'-5.5')		▽	50			DTW at 6.05 ft
	Sandy SILT with fine sand, dark brown to dark grey, soft, wet, (0, 65, 35).								ML	
	Silty fine to medium SAND, dark to brown to gray, medium dense, moist to wet, (0, 75, 25).		735						SM	
10	Total Depth = 10 feet						75			

CONTRACTOR ESN Northwest
EQUIPMENT GEOPROBE
DRILL MTHD Direct Push
DIAMETER 3"
LOGGER NS **REVIEWER** DJ

NORTHING
EASTING
ANGLE Vertical
BEARING ------
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REMARKS:

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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-9 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
	FILL, large 1"-3" cobbles, well graded gravel with silt and sand, loose, dry, trace black asphalt pieces (2"), (80, 10, 10).			SB-9-0-3 (0'-3')					FILL	
	Silty SAND, dark brown, few cobbles and gravel (1"-3"), medium dense, dry, (10, 70, 20).								SM	
	Total Depth = 3 feet						100			

CONTRACTOR ESN Northwest **NORTHING**
EQUIPMENT **EASTING**
DRILL MTHD Hand Auger **ANGLE** Vertical
DIAMETER 3" **BEARING** ------
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21

REMARKS:

COORDINATE SYSTEM:
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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-10 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
	FILL, brown to black to gray, fine to coarse sand, small gravel, loose, dry, (75, 15, 10), little asphalt pieces (<1").			SB-10-0-3 (0'-3')					FILL	
	Total Depth = 3 feet						60			

CONTRACTOR ESN Northwest **NORTHING**
EQUIPMENT **EASTING**
DRILL MTHD Hand Auger **ANGLE** Vertical
DIAMETER 3" **BEARING** ------
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21

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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-12 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	% RECOVERY	PID READING (ppm)	USCS Classification	COMMENTS
	FILL, gray to dark brown, loose, dry, well graded gravel with silt and sand, trace asphalt pieces (<1"), non-plastic fines, medium to coarse sand, (70, 20, 10).			SB-12-0-3 (0'-3')					FILL	Driller encountered large cobble at 1' so shifted location 6" to the west of original location
	Silty fine to medium SAND, dark brown, medium dense, dry to moist @ 4.5', trace organics, (0, 75, 25).		740						SM	
5				SB-12-3.5-5 (3.5'-5')		▽	60			DTW at 5.12 ft
	SILT wtih medium to coarse sand, light gray, medium, wet, non-plastic fines, (0, 20, 80).								ML	
			735							
	Silty fine to medium SAND, dark brown, medium dense, dry to moist @ 4.5', wet (0, 75, 25).								SM	
10	Total Depth = 10 feet						80			

CONTRACTOR ESN Northwest **NORTHING**
EQUIPMENT GEOPROBE **EASTING**
DRILL MTHD Direct Push **ANGLE** Vertical
DIAMETER 3" **BEARING** ------
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21

REMARKS:

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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-13 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
	FILL, gray to brown to black, medium to coarse sand, dry, loose, small gravel, non-plastic fines, few asphalt chunks, (75, 15, 10), 1-2 cm of asphalt @ 1'-2'.			SB-13-0-3 (0'-3')					FILL	
	Silty fine to coarse SAND, dark brown, medium dense, moist @ 4', trace organics @ 3'-4', wet @ 6', (0, 75, 25).		740						SM	
5				SB-13-4-6 (4'-6')		▽	70			DTW at 6.14 ft
	SILT with fine to medium sand, light gray, medium stiff, wet, non-plastic fines, (0, 25, 75).								ML	
	Silty fine to coarse SAND, dark brown, medium dense, moist @ 4', wet, (0, 75, 25).		735						SM	
10	Total Depth = 10 feet						85			

CONTRACTOR ESN Northwest
EQUIPMENT GEOPROBE
DRILL MTHD Direct Push
DIAMETER 3"
LOGGER NS **REVIEWER** DJ

NORTHING
EASTING
ANGLE Vertical
BEARING ------
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GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-14 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	% RECOVERY	PID READING (ppm)	USCS Classification	COMMENTS
	FILL, gray to brown to black, fine to coarse sand, small gravel, dry, loose, non-plastic fines, trace asphalt (<1") at 2'-3', (80, 10, 10).			SB-14-0-3 (0'-3')					FILL	
	Silty fine to medium SAND, dark brown, medium dense, dry to moist @ 4', 0, 75, 25), trace organics 3'-7', trace aspalt chunks (<1") at 3'-4'.		740						SM	
5				SB-14-4-6 (4'-6')		▽	80			DTW at 6.6 ft
	SILT with medium to coarse sand, light gray, medium, wet, non-plastic fines, (0, 20, 80).								ML	
	Silty fine to medium SAND, dark brown, medium dense, wet, (0, 75, 25).		735						SM	
10	Total Depth = 10 feet						80			

CONTRACTOR ESN Northwest
EQUIPMENT GEOPROBE
DRILL MTHD Direct Push
DIAMETER 3"
LOGGER NS **REVIEWER** DJ

NORTHING
EASTING
ANGLE Vertical
BEARING ------
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REMARKS:

COORDINATE SYSTEM:
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Seattle, Washington 98101
Phone: 206.496.1450

GS FORM: BORE 1/99

BOREHOLE RECORD

BORING SB-15 **SHEET** 1 OF 1
START DATE 8/5/2020 **GROUND SURFACE ELEVATION** 744.0 ft
FINISH DATE 8/5/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	SYMBOLIC LOG	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: GROUNDWATER	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
	FILL, well graded gravel with silt and sand, gray, loose, black asphalt layer from 1'-1.1', (70, 20, 10).			SB-15-0-3 (0'-3')					FILL	
	FILL, well graded gravel with silt and sand, gray, dense, loose, (70, 20, 10).								FILL	
	Silty fine to medium SAND, dark brown, medium dense, moist, non-plastic fines, wet @ 6', (0, 75, 25).		740						SM	
5				SB-15-4-6 (4'-6')		▽	70			DTW at 6.06 ft
	SILT with fine to coarse sand, light gray, medium stiff, wet, non-plastic fines, (0, 20, 80).		735						ML	
10	Total Depth = 10 feet						100			

CONTRACTOR ESN Northwest **NORTHING**
EQUIPMENT GEOPROBE **EASTING**
DRILL MTHD Direct Push **ANGLE** Vertical
DIAMETER 3" **BEARING** ------
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21

REMARKS:

COORDINATE SYSTEM:
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Seattle, Washington 98101
Phone: 206.496.1450

GS FORM: CORE3 10/00

BOREHOLE LOG

BORING MW-1 **SHEET** 1 OF 1
START DATE 8/25/2020 **TOC Elevation** 743.33 FT.
FINISH DATE 8/25/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	WELL CONSTRUCTION MATERIAL	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
	FILL, brown to black to gray, gravels and fine to coarse sand, loose, dry, non-plastic fines, (60, 30, 10).	Cement Grout [Quickcrete]		MW-1-0-3		75	N/A	FILL	
	Silty fine to medium SAND, dark brown, medium dense, dry to wet @ 5', non-plastic fines, (0, 75, 25).	Bentonite Seal [3/5" Haliburton Hole Plug]						SM	
		Sand Pack [12/20 Gillibrand Industrial Sand]	740						
5 ▽		Well Screen [0.010 Slotted]		MW-1-3.5-5.5		75			DTW at 5.0 ft
	GRAVEL with fine to medium sand, trace silt, black, very loose, wet, (80, 15, 5).							GP SW-SM	
	Fine to coarse SAND with silt, loose, wet, non-plastic fines, (0, 90, 10).							SM	
	Silty fine to medium SAND, dark brown, medium dense, wet, (0, 80, 20).								
	Silt with fine SAND, light brown to gray, medium to stiff, non-plastic fines, (0, 20, 80).		735					ML	
10						100			
			730						
15	Total Depth = 15 feet	Well Casing [2" SCH 40 PVC]							

CONTRACTOR ESN NW
EQUIPMENT GEOPROBE
DRILL MTHD HSA
DIAMETER 8"
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21

NORTHING 362930.746
EASTING 1761336.943
ANGLE Vertical
BEARING ------

REMARKS:

COORDINATE SYSTEM: Northing/Easting in US Survey Feet, US State Plane (NAD 1983) Elevation in US Survey Feet (NAVD 88)

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/WELL SONIC (SEATTLE) 2020 MONITORING WELL LOGS.GPJ EED DEFAULT GINT LIBRARY.GLB 4/12/21

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Seattle, Washington 98101
Phone: 206.496.1450

GS FORM: CORE3 10/00

BOREHOLE LOG

BORING MW-2 **SHEET** 1 OF 1
START DATE 8/25/2020 **TOC Elevation** 744.40 FT.
FINISH DATE 8/25/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	WELL CONSTRUCTION MATERIAL	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
0	FILL, fine to coarse sand, small to medium gravel, brown to black, loose, dry, non-plastic fines, (75, 20, 5).	Cement Grout [Quickcrete] Bentonite Seal [3/5" Haliburton Hole Plug]		MW-1-MW-2-0'-3'		75	N/A	FILL	
	Silty fine to medium SAND, dark brown to gray, medium dense, dry to wet @ 5', (0, 75, 25).	Sand Pack [12/20 Gillibrand Industrial Sand]						SM	
5 ▽		Well Screen [0.010 Slotted]	740	MW-2-3.5-5.5		50			DTW at 5.0 ft
	Sandy SILT with fine to medium sand, light gray, medium stiff, wet, non-plastic fines, (0, 25, 75).							ML	
	Silty fine to medium SAND, dark brown to gray, loose to medium dense, wet, (0, 75, 25), (0, 60, 40) @ 12'.							SM	
10			735			80			
15	Total Depth = 15 feet	Well Casing [2" SCH 40 PVC]							

CONTRACTOR ESN NW
EQUIPMENT GEOPROBE
DRILL MTHD HSA
DIAMETER 8"
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21

NORTHING 362891.706
EASTING 1761528.173
ANGLE Vertical
BEARING ------

REMARKS:

COORDINATE SYSTEM: Northing/Easting in US Survey Feet, US State Plane (NAD 1983) Elevation in US Survey Feet (NAVD 88)

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/WELL SONIC (SEATTLE) 2020 MONITORING WELL LOGS.GPJ EED DEFAULT GINT LIBRARY.GLB 4/12/21

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Phone: 206.496.1450

GS FORM: CORE3 10/00

BOREHOLE LOG

BORING MW-3 **SHEET** 1 OF 1
START DATE 8/25/2020 **TOC Elevation** 744.41 FT.
FINISH DATE 8/25/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	WELL CONSTRUCTION MATERIAL	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
0	FILL, fine to coarse sand, small gravel, brown to gray, loose, dry, non-plastic fines, (65, 30, 5).	Cement Grout [Quickcrete] Bentonite Seal [3/5" Haliburton Hole Plug]		MW-3-0-3		60	N/A	FILL	
	Silty fine to medium SAND, dark brown, medium dense, dry, becoming moist @ 5', wet @ 5.5', non-plastic fines, (0, 75, 25).	Sand Pack [12/20 Gillibrand Industrial Sand]						SM	
5 ▽		Well Screen [0.010 Slotted]	740	MW-3-3.5-5		80			DTW at 5.5 ft
	SILT with fine sand, light gray, medium stiff, wet, non-plastic fines, (0, 10, 90).							ML	
	Silty fine to medium SAND, dark brown, medium dense, wet, non-plastic fines, (0, 80, 20).							SM	
10			735			70			
	Well graded fine to coarse SAND, trace silt, loose, wet, non-plastic fines, (0, 95, 5).							SW	
15	Total Depth = 15 feet	Well Casing [2" SCH 40 PVC]							

CONTRACTOR ESN NW
EQUIPMENT GEOPROBE
DRILL MTHD HSA
DIAMETER 8"
LOGGER NS **REVIEWER** DJ **PRINTED** 04/12/21

NORTHING 362926.955
EASTING 1761596.004
ANGLE Vertical
BEARING ------

REMARKS:

COORDINATE SYSTEM: Northing/Easting in US Survey Feet, US State Plane (NAD 1983) Elevation in US Survey Feet (NAVD 88)

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/WELL SONIC (SEATTLE) 2020 MONITORING WELL LOGS.GPJ EED DEFAULT GINT LIBRARY.GLB 4/12/21

Geosyntec consultants
520 Pike Street, Suite 2600
Seattle, Washington 98101
Phone: 206.496.1450

GS FORM: CORE3 10/00

BOREHOLE LOG

BORING MW-4 **SHEET** 1 OF 1
START DATE 8/25/2020 **TOC Elevation** 744.40 FT.
FINISH DATE 8/25/2020
PROJECT Sunnyside VCP
LOCATION Sunnyside, WA
PROJECT NUMBER PNR0696B

DEPTH (ft)	MATERIAL DESCRIPTION	WELL CONSTRUCTION MATERIAL	ELEVATION (ft)	SAMPLES: SAMPLE NAME	SAMPLES: TYPE	SAMPLES: % RECOVERY	SAMPLES: PID READING (ppm)	USCS Classification	COMMENTS
	FILL, fine to coarse sand, fine to medium gravel, brown to gray to black, loose, dry, non-plastic fines, (60, 30, 10).	Cement Grout [Quickcrete]		MW-4-0-3		60	N/A	FILL	
		Bentonite Seal [3/5" Haliburton Hole Plug]							
	ASPHALT, black							ASPHALT	
	Silty fine to medium SAND, dark brown to dark gray, medium dense, dry to wet @ 5', non-plastic fines, trace organics from 3'-4'.	Sand Pack [12/20 Gillibrand Industrial Sand]						SM	
5 ▽		Well Screen [0.010 Slotted]	740	MW-4-3.5-5		75			DTW at 5.0 ft
	Sandy SILT with fine sand, light gray, medium, wet, non-plastic fines, (10, 20, 80).							ML	
10	Silty fine to medium SAND, dark brown to dark gray, medium dense, wet, non-plastic fines.		735			70		SM	
15	Total Depth = 15 feet	Well Casing [2" SCH 40 PVC]							

CONTRACTOR ESN NW
EQUIPMENT GEOPROBE
DRILL MTHD HSA
DIAMETER 8"
LOGGER NS **REVIEWER** DJ

NORTHING 362882.258
EASTING 1761621.239
ANGLE Vertical
BEARING ------
PRINTED 04/12/21

REMARKS:

COORDINATE SYSTEM: Northing/Easting in US Survey Feet, US State Plane (NAD 1983) Elevation in US Survey Feet (NAVD 88)

SEE KEY SHEET FOR SYMBOLS AND ABBREVIATIONS

BORING LOG W/WELL SONIC (SEATTLE) 2020 MONITORING WELL LOGS.GPJ EED DEFAULT GINT LIBRARY.GLB 4/12/21

Geosyntec consultants

ATTACHMENT 2

Groundwater Purging and Sampling Logs

20 May 2021

WELL GAUGING DATA

Project # 200902-FK1 Date 9/2/20 Client Geosyntec

Site 101 N 1st St Sunnyside WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0851	2					2.98	14.92		
MW-2	0856	2					4.98	15.00		
MW-3	0904	2					5.42	14.98		
MW-4	0900	2					5.78	14.97		

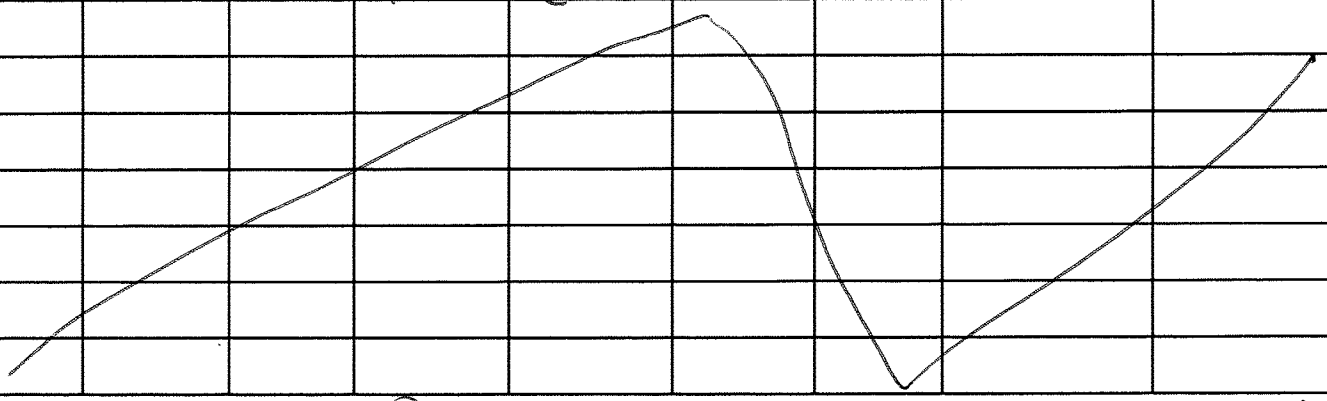
LOW FLOW WELL MONITORING DATA SHEET

Project #: 200902-FK1	Client: Geosyntec
Sampler: FK	Gauging Date: 9/2/20
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.92	Depth to Water (ft.): 2.98
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 1043 Flow Rate: 200 ml/min Pump Depth: 8

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1046	19.86	7.24	1227	44	0.98	102.3	600	3.04
1049	19.53	7.30	1210	29	0.72	108.6	1200	3.07
1052	19.42	7.38	1202	34	0.66	115.2	1800	3.10
1055	19.45	7.41	1199	35	0.60	118.6	2400	3.12
1058	19.46	7.42	1198	35	0.51	117.6	3000	3.12



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1101 Sampling Date: 9/2/20

Sample I.D.: GW-090220-MW-1 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

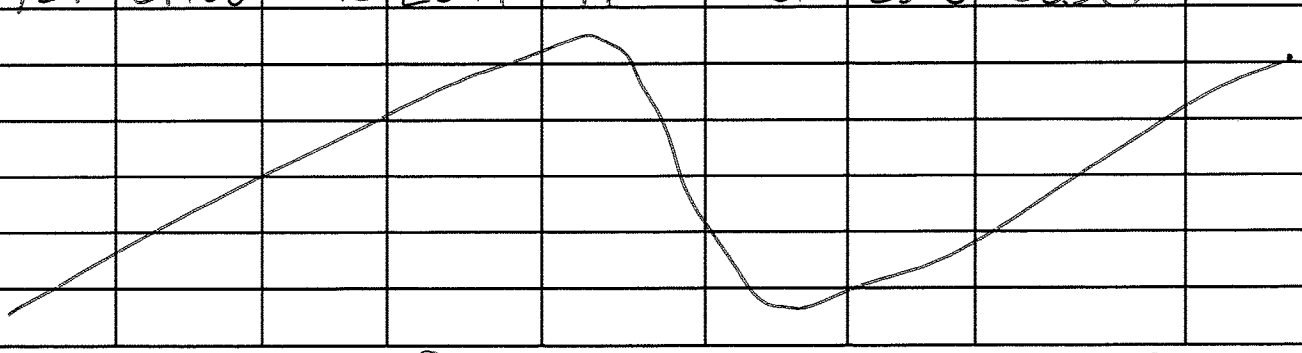
LOW FLOW WELL MONITORING DATA SHEET

Project #: 200902-FK1	Client: GeoSyntec
Sampler: FK	Gauging Date: 9/2/20
Well I.D.: MW-2	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 15.00	Depth to Water (ft.): 4.98
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 0911 Flow Rate: 200 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0914	21.18	7.46	2747	22	1.08	134.6	600	5.00
0917	21.30	7.54	2758	15	0.78	132.7	1200	5.00
0920	21.58	7.65	2777	13	0.67	129.7	1800	5.00
0923	21.65	7.86	2805	12	0.60	125.1	2400	5.00
0926	21.67	7.89	2809	12	0.55	123.3	3000	5.00
0929	21.68	7.90	2811	11	0.51	123.8	3600	5.00



Did well dewater? Yes (No) Amount actually evacuated: 3600 mL

Sampling Time: 0932 Sampling Date: 9/2/20

Sample I.D.: GW-090220-MW-2 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

LOW FLOW WELL MONITORING DATA SHEET

Project #: 200902-FK1	Client: GeoSyntec
Sampler: FK	Gauging Date: 9/2/20
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.98	Depth to Water (ft.): 5.42
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 1016 Flow Rate: 200 mL/min Pump Depth: 9

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1019	19.77	7.87	1196	17	1.34	108.8	600	5.50
1022	19.77	7.84	1175	14	1.20	112.5	1200	5.50
1025	19.78	7.81	1159	14	1.14	116.5	1800	5.50
1028	19.78	7.81	1150	15	1.11	119.3	2400	5.50
1031	19.77	7.83	1148	15	1.08	120.2	3000	5.50

Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1034 Sampling Date: 9/2/20

Sample I.D.: GW-090220-MW-3 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

LOW FLOW WELL MONITORING DATA SHEET

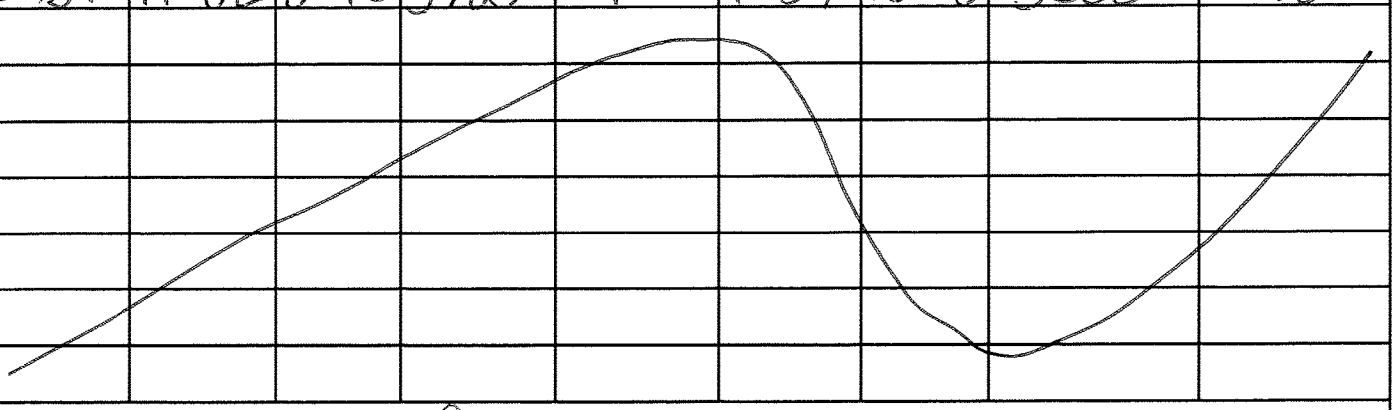
Project #: 200902-FK1	Client: Geosynteel
Sampler: FK	Gauging Date: 9/2/20
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): 14.97	Depth to Water (ft.): 5.78
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: Dedicated Tubing (New Tubing) Other ___

Start Purge Time: 0944 Flow Rate: 200 mL/min Pump Depth: 4

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0947	19.70	8.05	3768	19	1.58	120.0	600	5.78
0950	19.70	8.05	3776	13	1.31	125.0	1200	5.78
0953	19.81	8.07	3782	10	1.19	128.1	1800	5.78
0956	19.80	8.10	3782	9	1.11	131.0	2400	5.78
0959	19.82	8.12	3780	9	1.07	131.8	3000	5.78



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1002 Sampling Date: 9/2/20

Sample I.D.: GW-090220-MW-4 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See COC)

Equipment Blank I.D.: @ Time Duplicate I.D.: GW-090220-DUP-1

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

Date 9/2/20 Page 1 Of 1

PROJECT ID:
REPORT TO COMPANY: GeoSyntec
PROJECT MANAGER: Rose Bier
ADDRESS: 101 N 1st St
Sunnyside, WA
PHONE: (305) 903-4318 P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED / OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☒ RCRA-8 ☐ Pri Pol ☐ TAL ☐ (Field filtered)	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	Nitrates		Total & Dissolved RCRA-8 Metals					NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-090220-MW-1	9/2/20	1101	GW														X			X							2	
2. GW-090220-MW-2	9/2/20	0932	GW														X			X							2	
3. GW-090220-MW-3	9/2/20	1034	GW														X			X							2	
4. GW-090220-MW-4	9/2/20	1002	GW														X			X							2	
5. GW-090220-DUP-1	9/2/20	1200	GW														X			X							2	
6. IDW-Soil-090220	9/2/20	1120	GW			X	X				X											X					4	
7. IDW-Water-090220	9/2/20	1110	GW			X	X				X											X					8	
8.																												
9.																												
10.																												

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):
1. Relinquished By: [signature] Blaine, Tetra 9/2/20 1530
Received By: [signature], ALS 9/2/20 3:40
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis
☒ 10 (Standard) ☐ 5 ☐ 3 ☐ 2 ☐ 1 ☐ SAME DAY

Fuels & Hydrocarbon Analysis
☐ 5 (Standard) ☐ 3 ☐ 1 ☐ SAME DAY

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

WELLHEAD INSPECTION FORM

Client: Geosyntec Site: 101 N 1st St Sunnyside WA Date: 9/2/20

Job # : 208902-FK1 Technician: Foster K Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X			X											
MW-2	X			X											
MW-3	X			X											
MW-4	X			X											

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 101 N 1st St Sunnyside WA				PROJECT NUMBER 200802-FK1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	BTS #6	9/2/20 0530	pH 4 7 10	4.01 6.96 9.98	√	19.18°C 19.27°C 19.30°C	FK
			cond 3100 uS/cm DO 100%	3892 uS/cm 99.1%	√	19.10°C 20.06°C	FK
			ORP 237.5mV	238.0 mV	√	19.16°C	FK

SPH or Purge Water Drum Log

Client: Geosyntec

Site Address: 101 N 1st St Sunnyside WA

STATUS OF DRUM(S) UPON ARRIVAL						
Date	9/2/20					
Number of drum(s) empty:	0					
Number of drum(s) 1/4 full:	0					
Number of drum(s) 1/2 full:	1					
Number of drum(s) 3/4 full:	0					
Number of drum(s) full:	9					
Total drum(s) on site:	10					
Are the drum(s) properly labeled?	Yes					
Drum ID & Contents:	purge & decon H2O soil cuttings					
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	9/2/20					
Number of drums empty:	0					
Number of drum(s) 1/4 full:	0					
Number of drum(s) 1/2 full:	1					
Number of drum(s) 3/4 full:	0					
Number of drum(s) full:	9					
Total drum(s) on site:	10					
Are the drum(s) properly labeled?	Yes					
Drum ID & Contents:	purge & decon H2O soil cuttings					

LOCATION OF DRUM(S)	
Describe location of drum(s):	Next to MW-2 by telephone Pole

FINAL STATUS						
Number of new drum(s) left on site this event	0					
Date of inspection:	9/2/20					
Drum(s) labelled properly:	Yes					
Logged by BTS Field Tech:	FK					
Office reviewed by:						

WELL GAUGING DATA

Project # 201209-FK1 Date 12/9/20 Client GeoSyntec

Site 101 N St Sunnyside WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	0940	2					2.72	15.00		
MW-2	0945	2					4.67	15.00		
MW-3	0954	2					5.22	15.00		
MW-4	0950	2					5.41	14.98	↓	

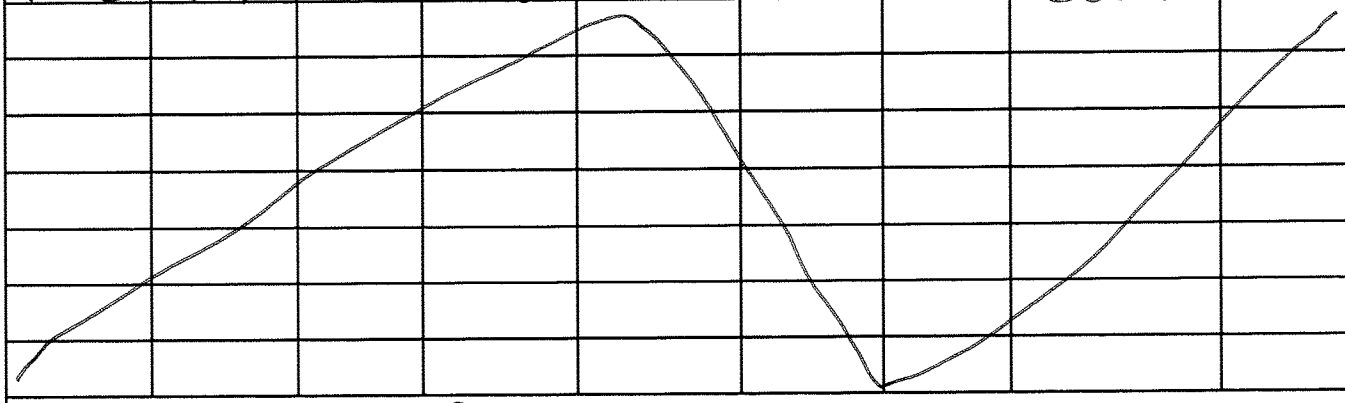
LOW FLOW WELL MONITORING DATA SHEET

Project #: 201209-FK1	Client: Geosyntec
Sampler: FK	Gauging Date: 12/9/20
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ___
Total Well Depth (ft.): FK 12/9 ~~14.94~~ 15.00	Depth to Water (ft.): 2.72
Depth to Free Product: ~~~~	Thickness of Free Product (feet): ~~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1145 Flow Rate: 200 mL/min Pump Depth: 8

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or (µS/cm))	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1148	13.63	7.53	1159	37	2.32	-40.9	600	2.78
1151	13.71	7.79	1161	33	0.50	-45.1	1200	2.78
1154	13.75	7.76	1169	31	0.42	-43.8	1800	2.78
1157	13.72	7.74	1165	33	0.39	-46.3	2400	2.78
1200	13.73	7.73	1166	32	0.35	-41.4	3000	2.78



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1203 Sampling Date: 12/9/20

Sample I.D.: GW-120920-MW-1 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~~

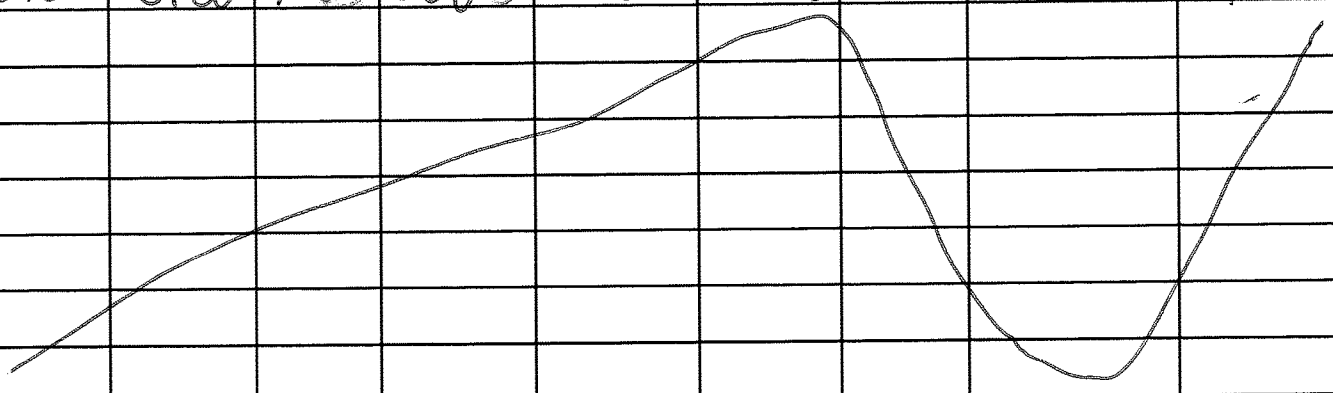
LOW FLOW WELL MONITORING DATA SHEET

Project #: 20209-FK1	Client: Geosyntec
Sampler: FK	Gauging Date: 12/9/20
Well I.D.: MW-2	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.00	Depth to Water (ft.): 4.67
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 0957 Flow Rate: 200 mL/min Pump Depth: 9

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1000	13.23	6.60	2579	33	2.49	18.1	600	4.80
1003	13.58	6.78	2634	52	1.43	2.2	1200	4.90
1006	13.69	6.96	2671	45	1.09	-9.4	1800	4.94
1009	13.67	6.98	2678	43	0.95	-12.9	2400	4.95
1012	13.68	7.00	2685	46	0.90	-15.6	3000	4.94



Did well dewater? Yes (No) Amount actually evacuated:

Sampling Time: 1015 Sampling Date: 12/9/20

Sample I.D.: GW-120920-MW-2 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ____

LOW FLOW WELL MONITORING DATA SHEET

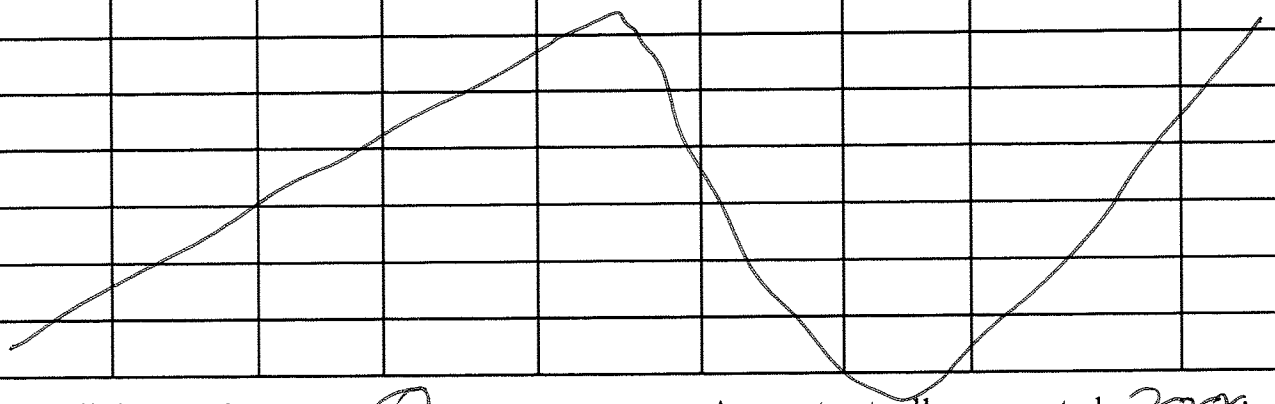
Project #: 201209-FK1	Client: Geosyntec
Sampler: FK	Gauging Date: 12/9/20
Well I.D.: MW-3	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.00	Depth to Water (ft.): 5.22
Depth to Free Product: ~~~	Thickness of Free Product (feet): ~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1112 Flow Rate: 200 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1115	13.52	7.39	1059	26	1.58	-23.2	600	5.30
1118	14.20	7.47	1058	21	0.77	-34.8	1200	5.30
1121	14.52	7.63	1058	19	0.63	-37.1	1800	5.30
1124	14.50	7.66	1060	18	0.65	-38.7	2400	5.30
1127	14.53	7.67	1062	17	0.70	-36.0	3000	5.30



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1130 Sampling Date: 12/9/20

Sample I.D.: GW-120920-MW-3 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: ~~~

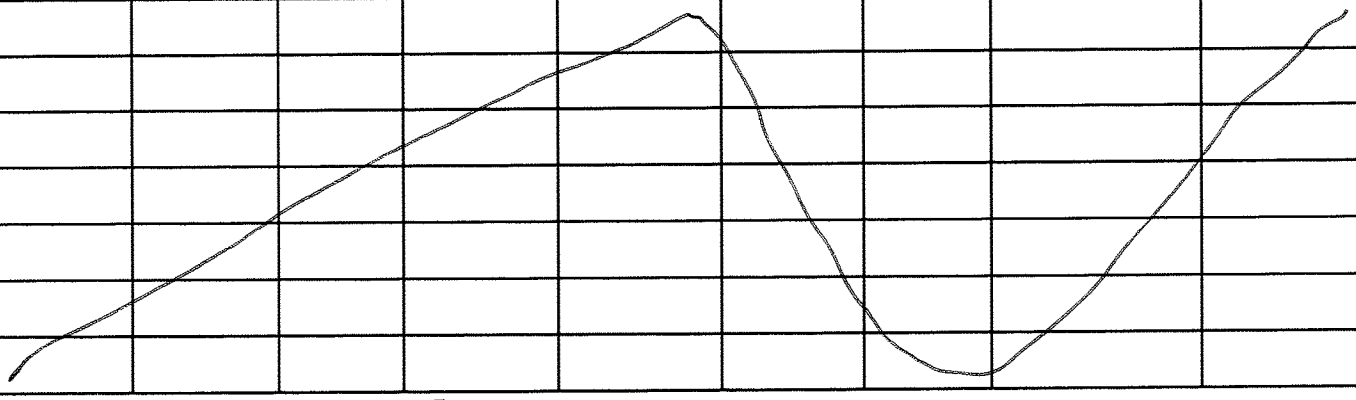
LOW FLOW WELL MONITORING DATA SHEET

Project #: 201209-FK1	Client: GeoSyntec
Sampler: FK	Gauging Date: 12/9/20
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): ~~15.00~~ 14.98	Depth to Water (ft.): 5.41
Depth to Free Product: ~~~~	Thickness of Free Product (feet): ~~~~
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1033 Flow Rate: 200 mL/min Pump Depth: 10

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1036	13.63	7.15	3434	35	1.18	-15.9	600	5.50
1039	14.47	7.37	3485	19	0.78	-29.5	1200	5.50
1042	14.58	7.54	3500	16	0.53	-30.2	1800	5.50
1045	14.60	7.56	3509	17	0.47	-27.5	2400	5.50
1048	14.61	7.57	3512	17	0.47	-28.5	3000	5.50



Did well dewater? Yes (No) Amount actually evacuated: 3000 mL

Sampling Time: 1051 Sampling Date: 12/9/20

Sample I.D.: GW-120920-MW-4 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See COC

Equipment Blank I.D.: @ Time Duplicate I.D.: GW-120920-DUP-1

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

Date 12/9/20 Page 1 Of 1

PROJECT ID:
REPORT TO COMPANY: Geosyntec
PROJECT MANAGER: Rose Bier
ADDRESS: 101 N 1st St
Sunnyside, WA
PHONE: (305) 903-4818 P.O. #:
E-MAIL:
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	Nitrate as Nitrogen	Total Metals (As, Co, Mo)	Dissolved Metals (As, Co, Mo) Field Filtered				NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-120920-MW-1	12/9/20	1203	GW																X	X	X					3	
2. GW-120920-MW-2	12/9/20	1015	GW																X	X	X					3	
3. GW-120920-MW-3	12/9/20	1130	GW																X	X	X					3	
*4. GW-120920-MW-4	12/9/20	1051	GW																X	X	X					3	
*5. GW-120920-DUP-1	12/9/20	~~1200~~ 1101	~~GW~~ GW																X	X	X					3	
6.																											
7.																											
8.																											
9.																											
10.																											

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: BTS 12/9/20 1600
Received By: ALS 12/9/20 1610
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: (10 Standard) 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis: (5 Standard) 3 1 SAME DAY

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

WELLHEAD INSPECTION FORM

Client: Geosyntec Site: 101 N 1st Sunnyside WA Date: 12/9/20

Job #: 261209-FK1 Technician: Foster K Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1	X			X											
MW-2	X			X											
MW-3	X			X											
MW-4	X			X											

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME	101 N 1st St Sunnyside WA			PROJECT NUMBER	20209-FK1		
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	BTS #6	12/9/20 0615	pH 4 7 10	4.03 7.04 10.01	✓	12.62°C 12.48°C 12.39°C	FK
			cond 3900 uS/cm DO 100%	39.16 mS/cm 99.5%	✓	12.20°C 11.81°C	FK
			ORP 250.5 mV	251.3mV	✓	12.3°C	FK

SPH or Purge Water Drum Log

Client: Geosyntec

Site Address: 101 N 1st St Sunnyside WA

STATUS OF DRUM(S) UPON ARRIVAL						
Date	9/2/20	12/9/20				
Number of drum(s) empty:	0	0				
Number of drum(s) 1/4 full:	0	0				
Number of drum(s) 1/2 full:	1	1				
Number of drum(s) 3/4 full:	0	0				
Number of drum(s) full:	9	9				
Total drum(s) on site:	10	10				
Are the drum(s) properly labeled?	Yes	Yes				
Drum ID & Contents:	purge & decon H2O soil cuttings	purge & decon H2O soil cuttings				
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	9/2/20	12/9/20				
Number of drums empty:	0	0				
Number of drum(s) 1/4 full:	0	0				
Number of drum(s) 1/2 full:	1	1				
Number of drum(s) 3/4 full:	0	0				
Number of drum(s) full:	9	9				
Total drum(s) on site:	10	10				
Are the drum(s) properly labeled?	Yes	Yes				
Drum ID & Contents:	purge & decon H2O soil cutting	purge & decon H2O soil cutting				

LOCATION OF DRUM(S)	
Describe location of drum(s):	Next to MW-2 by telephone Pole

FINAL STATUS						
Number of new drum(s) left on site this event	0	0				
Date of inspection:	9/2/20	12/9/20				
Drum(s) labelled properly:	Yes	Yes				
Logged by BTS Field Tech:	FK	FK				
Office reviewed by:						

WELL GAUGING DATA

Project # 030321-AH1 Date 3/3/21 Client Geosyntec

Site 101 N 1st St., Sunnyside, WA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1001	2	—	—	—	—	3.05	15.02	TOC	
MW-2	1005	2	—	—	—	—	4.95	14.98	"	
MW-3	1008	2	—	—	—	—	5.18	15.02	"	
MW-4	1010	2	—	—	—	—	5.32	14.94	"	

LOW FLOW WELL MONITORING DATA SHEET

Project #: 030321-AH1	Client: Geosyntec
Sampler: AH	Gauging Date: 3/3/21
Well I.D.: MW-1	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 15.02	Depth to Water (ft.): 3.05
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump
Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1057 Flow Rate: 300 mL/min Pump Depth: 9'

Time	Temp. ((°C) or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1100	12.0	7.57	1181	17	2.73	103.8	900	3.08
1103	12.1	7.56	1162	10	2.37	99.5	1800	3.12
1106	12.3	7.57	1148	10	2.22	90.3	2700	3.16
1109	12.2	7.58	1143	9	2.20	85.9	3600	3.20
1112	12.3	7.58	1139	9	2.17	82.3	4500	3.22

Did well dewater? Yes (No) Amount actually evacuated: 4500 mL

Sampling Time: ~~H2~~ 1115 Sampling Date: 3/3/21

Sample I.D.: GW-03032021-MW-1 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other: See CoC)

Equipment Blank I.D.: @ Time Duplicate I.D.: ____

LOW FLOW WELL MONITORING DATA SHEET

Project #: ~~Geosyntec~~ 030321-AH1	Client: Geosyntec
Sampler: AH	Gauging Date: 3/3/21
Well I.D.: MW-2	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.98	Depth to Water (ft.): 4.95
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: ~~Dedicated Tubing~~ New Tubing Other ____

Start Purge Time: 1021 Flow Rate: 300 mL/min Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1024	10.5	7.68	1652	14	1.64	150.9	900	4.99
1027	10.4	7.65	1765	13	1.29	150.0	1800	5.07
1030	10.5	7.62	1892	12	1.12	146.7	2700	5.13
1033	10.4	7.61	1912	12	1.10	145.9	3600	5.17
1036	10.4	7.61	1924	11	1.06	143.6	4500	5.22

Did well dewater? Yes (No) Amount actually evacuated: 4500 mL

Sampling Time: 1039 Sampling Date: 3/3/21

Sample I.D.: GW-03032021-MW-2 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.: GW-03032021-Dup-1

LOW FLOW WELL MONITORING DATA SHEET

Project #: 030321-AH1	Client: Geosyntec
Sampler: AH	Gauging Date: 3/3/21
Well I.D.: MW-3	Well Diameter (in.): (2") 3 4 6 8 ___
Total Well Depth (ft.): 15.02	Depth to Water (ft.): 5.18
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ___

Start Purge Time: 1203 Flow Rate: 300 mL/min Pump Depth: 11'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1206	13.0	8.07	1100	3	1.38	43.9	900	5.20
1209	12.9	8.11	1071	3	1.21	41.8	1800	5.23
1212	12.9	8.10	1067	4	1.14	39.5	2700	5.25
1215	12.9	8.11	1066	5	1.09	AH ~~36~~ 36.1	3600	5.28
1218	12.9	8.11	1065	5	1.08	35.3	4500	5.30

Did well dewater? Yes (No) Amount actually evacuated: 4500 mL

Sampling Time: 1221 Sampling Date: 3/3/21

Sample I.D.: GW-0303202l-MW-3 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D (Other:) See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.: —

LOW FLOW WELL MONITORING DATA SHEET

Project #: 030321-AH1	Client: Geosyntec
Sampler: AH	Gauging Date: 3/3/21
Well I.D.: MW-4	Well Diameter (in.): (2) 3 4 6 8 ____
Total Well Depth (ft.): 14.94	Depth to Water (ft.): 5.32
Depth to Free Product: ____	Thickness of Free Product (feet): ____
Referenced to: (PVC) Grade	Flow Cell Type: YSI Pro DSS

Purge Method: 2" Grundfos Pump (Peristaltic Pump) Bladder Pump

Sampling Method: (Dedicated Tubing) New Tubing Other ____

Start Purge Time: 1125 Flow Rate: 300 mL/min Pump Depth: 10'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or (mL))	Depth to Water (ft.)
1128	13.1	7.69	2754	8	1.45	87.4	900 mL	5.35
1131	13.3	7.69	2824	9	1.17	85.2	1800 mL	5.37
1133	13.2	7.68	2870	14	0.97	77.0	2700 mL	5.49
1136	13.2	7.68	2885	15	0.98	79.2	3600 mL	5.52
1139	13.2	7.68	2902	14	0.95	74.0	4500 mL	5.55

Did well dewater? Yes (No) Amount actually evacuated: 4500 mL

Sampling Time: 1142 Sampling Date: 3/3/21

Sample I.D.: GW-03032021-MW-4 Laboratory: ALS

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See CoC

Equipment Blank I.D.: @ Time Duplicate I.D.: ____

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

Date 3/3/21 Page 1 Of 1

PROJECT ID: Sunnyside, WA
REPORT TO COMPANY: Geosyntec
PROJECT MANAGER: Rose Bier
ADDRESS: 101 N 1ST St
Sunnyside WA
PHONE: (305) 903-4818 P.O. #:
E-MAIL:
INVOICE TO COMPANY: Geosyntec
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-030321-MW1	3/3/21	1115	G																3	
2. GW-030321-MW2	3/3/21	1039	G																3	
3. GW-030321-MW3	3/3/21	1221	G																3	
4. GW-030321-MW4	3/3/21	1142	G																3	
5. GW-030321-DUP1	3/3/21	1250	G																3	
6.																				
7.																				
8.																				
9.																				
10.																				

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Adam High 3/4/21 0655
   Received By: 3/4/21 0655
2. Relinquished By: 3/4/21 0835
   Received By: ALS 3/4/2021 0835

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: (10) Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY

OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

Rainier ENVIRONMENTAL

Washington
5013 Pacific Highway East, Suite 20 Fife,
WA 98424
Phone253.922.8898

Chain of Custody

Date 3/3/21 Page 1 of 1

Sample Collection By:

Report to:

Company	Geosyntec
Address	101 N 1st St
City/State/Zip	Sunnyside, WA
Contact	Rose Bier
Phone	(305) 903-4318
Email	

Invoice To:

Company	Geosyntec
Address	
City/State/Zip	
Contact	
Phone	
Email	

	SAMPLE ID	DATE	TIME	MATRIX	CONTAINER TYPE	NO. OF CONTAINERS	COMMENTS	ANALYSES REQUIRED: Static Acute Fish Toxicity (80-12)	Receipt Temperature (°C)
1	IDW-soil-030321	3/3/21	1238	Soil	4oz glass	1		X	
2	IDW-water-030321	3/3/21	1238	W	4oz glass	1		X	
3									
4									
5									
6									
7									
8									
9									
10									

PROJECT INFORMATION

Client:	
PO No.:	
Shipped Via:	

SAMPLE RECEIPT

Total No. of Containers	
Received Good Condition?	
Matches Test Schedule?	

SPECIAL INSTRUCTIONS/COMMENTS:

RELINQUISHED BY (CLIENT)

(Signature) Adam High (Time) 0700
(Printed Name) Adam High (Date) 3/4/21
(Company) BTS

RECEIVED BY (COURIER)

(Signature) (Time) 0700
(Printed Name) LEE BURES (Date) 3/4/21
(Company) BTS

RELINQUISHED BY (COURIER)

(Signature) (Time) 1000
(Printed Name) LEE BURES (Date) 3/4/21
(Company) BTS

RECEIVED BY (LABORATORY)

(Signature) Eric Tollefson (Time) 1000
(Printed Name) ERIC TOLLEFSON (Date) 3/4/21
(Log in #)

WELLHEAD INSPECTION FORM

Client: Geosyntec Site: 101 N 1st Street, Sunnyside, WA Date: 03/03/21

Job # : 030321-AH1 Technician: AH Page 1 of 1

Well ID	Well Inspected - No Corrective Action Required	Check indicates deficiency: Cap non-functional	Lock non-functional	Lock missing	Bolts missing (list qty)	Tabs stripped (list qty)	Tabs broken (list qty)	Annular seal incomplete	Apron damaged	Rim / Lid broken	Trip Hazard	Below Grade	Other (explain in notes)	Well Not Inspected (explain in notes)	Notes (list if cap or lick replaced, if there are access issues associated with repairs, if traffic control is required, if stand pipe damaged, or any specific details not covered by checklist)
MW-1			X												
MW-2			X												
MW-3			X												
MW-4			X												

NOTES:

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 101 N 1st St, Sunnyside, WA				PROJECT NUMBER 030321-AH1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI Pro DSS	46854	3/3/21 0610	4.0 pH	4.07 pH	Within 10%	13.8 °C	AH
↓	↓	↓	10.0 pH	10.02 pH	↓	13.8°C	AH
↓	↓	↓	7.0 pH	7.12 pH	↓	13.8°C	AH
↓	↓	↓	~~250.2~~ 244.0 mV	230.7 mV	↓	13.8°C	AH
↓	↓	↓	3900 µS/cm	3812 µS/cm	↓	13.8°C	AH

SPH or Purge Water Drum Log

Client: Geosyntec

Site Address: 101 N 1st St Sunnyside WA

STATUS OF DRUM(S) UPON ARRIVAL						
Date	9/2/20	12/9/20	3/3/21			
Number of drum(s) empty:	0	0	0			
Number of drum(s) 1/4 full:	0	0	0			
Number of drum(s) 1/2 full:	1	1	1			
Number of drum(s) 3/4 full:	0	0	0			
Number of drum(s) full:	9	9	8			
Total drum(s) on site:	10	10	9			
Are the drum(s) properly labeled?	Yes	Yes	Yes			
Drum ID & Contents:	purge & decon H2O soil cuttings	purge & decon H2O soil cuttings	purge + soil cuttings			
If any drum(s) are partially or totally filled, what is the first use date:						

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater or DI Water.

-If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.

-All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE						
Date	9/2/20	12/9/20	3/3/21			
Number of drums empty:	0	0	0			
Number of drum(s) 1/4 full:	0	0	0			
Number of drum(s) 1/2 full:	1	1	1			
Number of drum(s) 3/4 full:	0	0	0			
Number of drum(s) full:	9	9	8			
Total drum(s) on site:	10	10	9			
Are the drum(s) properly labeled?	Yes	Yes	Yes			
Drum ID & Contents:	purge & decon H2O soil cutting	purge & decon H2O soil cutting	purge + soil cuttings			

LOCATION OF DRUM(S)	
Describe location of drum(s):	Next to MW-2 by telephone Pole

FINAL STATUS						
Number of new drum(s) left on site this event	0	0	0			
Date of inspection:	9/2/20	12/9/20	3/3/21			
Drum(s) labelled properly:	Yes	Yes	Yes			
Logged by BTS Field Tech:	FK	FK	AH			
Office reviewed by:						

Geosyntec consultants

ATTACHMENT 3

Laboratory Analytical Reports

20 May 2021

August 20, 2020

Ms. Melissa Asher
Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

Dear Ms. Asher,

On August 6th, 23 samples were received by our laboratory and assigned our laboratory project number EV20080031. The project was identified as your Sunnyside PNR0696. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-01
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 11:30:00 AM
CLIENT SAMPLE ID	SB-9-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**70**	30	10	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**4.0**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**10**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.87**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**14**	0.10	1	MG/KG	08/10/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-02
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 11:55:00 AM
CLIENT SAMPLE ID	SB-15-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**400**	30	10	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**3.8**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**11**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.98**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**16**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-03
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 12:00:00 PM
CLIENT SAMPLE ID	SB-15-4-6	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**930**	150	50	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**5.5**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**11**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**1.9**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**15**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-04
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 12:00:00 PM
CLIENT SAMPLE ID	SB-15-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**460**	3.1	20	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**78**	1.0	1	UG/L	08/10/2020	RAL
Cobalt	EPA-200.8	**3.1**	1.0	1	UG/L	08/10/2020	RAL
Molybdenum	EPA-200.8	**290**	1.0	1	UG/L	08/10/2020	RAL
Nickel	EPA-200.8	**12**	2.0	1	UG/L	08/10/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**83**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**2.0**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**290**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**10**	2.0	1	UG/L	08/11/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-05
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 12:00:00 PM
CLIENT SAMPLE ID	SB-15-GW DUP	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**460**	7.6	50	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**79**	1.0	1	UG/L	08/10/2020	RAL
Cobalt	EPA-200.8	**7.0**	1.0	1	UG/L	08/10/2020	RAL
Molybdenum	EPA-200.8	**280**	1.0	1	UG/L	08/10/2020	RAL
Nickel	EPA-200.8	**18**	2.0	1	UG/L	08/10/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**80**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**2.0**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**280**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**9.8**	2.0	1	UG/L	08/11/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-06
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 12:20:00 PM
CLIENT SAMPLE ID	SB-12-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**29**	3.0	1	MG/KG	08/19/2020	JNF
Arsenic	EPA-6020	**3.9**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**11**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.54**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**15**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-07
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 12:30:00 PM
CLIENT SAMPLE ID	SB-12-3.5-5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**57**	30	10	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**5.7**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**12**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.82**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**15**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-08
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 12:50:00 PM
CLIENT SAMPLE ID	SB-12-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**450**	7.6	50	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**27**	1.0	1	UG/L	08/10/2020	RAL
Cobalt	EPA-200.8	**6.2**	1.0	1	UG/L	08/10/2020	RAL
Molybdenum	EPA-200.8	**120**	1.0	1	UG/L	08/10/2020	RAL
Nickel	EPA-200.8	**33**	2.0	1	UG/L	08/10/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**28**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**2.9**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**110**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**23**	2.0	1	UG/L	08/11/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-09
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 12:50:00 PM
CLIENT SAMPLE ID	SB-14-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**28**	3.0	1	MG/KG	08/19/2020	JNF
Arsenic	EPA-6020	**4.9**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**11**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.88**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**14**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-10
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 1:00:00 PM
CLIENT SAMPLE ID	SB-14-4-6	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**130**	30	10	MG/KG	08/19/2020	JNF
Arsenic	EPA-6020	**5.4**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**10**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.83**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**14**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-11
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 1:55:00 PM
CLIENT SAMPLE ID	SB-13-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**300**	150	50	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**4.1**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**9.6**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.79**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**14**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-12
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 1:40:00 PM
CLIENT SAMPLE ID	SB-14-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**780**	7.6	50	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**47**	1.0	1	UG/L	08/10/2020	RAL
Cobalt	EPA-200.8	**72**	1.0	1	UG/L	08/10/2020	RAL
Molybdenum	EPA-200.8	**160**	1.0	1	UG/L	08/10/2020	RAL
Nickel	EPA-200.8	**74**	2.0	1	UG/L	08/10/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**49**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**65**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**150**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**74**	2.0	1	UG/L	08/11/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-13
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 2:05:00 PM
CLIENT SAMPLE ID	SB-13-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**1200**	15	100	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**65**	1.0	1	UG/L	08/10/2020	RAL
Cobalt	EPA-200.8	**120**	1.0	1	UG/L	08/10/2020	RAL
Molybdenum	EPA-200.8	**120**	1.0	1	UG/L	08/10/2020	RAL
Nickel	EPA-200.8	**260**	2.0	1	UG/L	08/10/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**12**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**79**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**150**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**200**	2.0	1	UG/L	08/11/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-14
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 2:05:00 PM
CLIENT SAMPLE ID	SB-13-4-6	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**260**	30	10	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**5.4**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**12**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**1.2**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**15**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-15
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 2:25:00 PM
CLIENT SAMPLE ID	SB-3-4-5.5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**190**	30	10	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**5.0**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**14**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.31**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**16**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-16
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 2:40:00 PM
CLIENT SAMPLE ID	SB-3-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**1000**	15	100	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**580**	1.0	1	UG/L	08/10/2020	RAL
Cobalt	EPA-200.8	**110**	1.0	1	UG/L	08/10/2020	RAL
Molybdenum	EPA-200.8	**69**	1.0	1	UG/L	08/10/2020	RAL
Nickel	EPA-200.8	**170**	2.0	1	UG/L	08/10/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**520**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**22**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**83**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**91**	2.0	1	UG/L	08/11/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-17
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 2:55:00 PM
CLIENT SAMPLE ID	SB-4-3.5-5.5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**460**	30	10	MG/KG	08/19/2020	JNF
Arsenic	EPA-6020	**6.2**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**11**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.60**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**15**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-18
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 3:05:00 PM
CLIENT SAMPLE ID	SB-4-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**240**	7.6	50	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**160**	1.0	1	UG/L	08/10/2020	RAL
Cobalt	EPA-200.8	**57**	1.0	1	UG/L	08/10/2020	RAL
Molybdenum	EPA-200.8	**130**	1.0	1	UG/L	08/10/2020	RAL
Nickel	EPA-200.8	**82**	2.0	1	UG/L	08/10/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**100**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**3.0**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**160**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**11**	2.0	1	UG/L	08/11/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-19
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 3:20:00 PM
CLIENT SAMPLE ID	SB-10-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**340**	30	10	MG/KG	08/18/2020	JNF
Arsenic	EPA-6020	**3.4**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**16**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.81**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**12**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-20
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 3:45:00 PM
CLIENT SAMPLE ID	SB-5-4-6	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**140**	30	10	MG/KG	08/19/2020	JNF
Arsenic	EPA-6020	**9.3**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**13**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**0.93**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**17**	0.10	1	MG/KG	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-21
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 3:45:00 PM
CLIENT SAMPLE ID	SB-5-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**370**	15	100	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**48**	1.0	1	UG/L	08/11/2020	RAL
Cobalt	EPA-200.8	**4.8**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum	EPA-200.8	**180**	1.0	1	UG/L	08/11/2020	RAL
Nickel	EPA-200.8	**14**	2.0	1	UG/L	08/11/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**45**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**1.6**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**190**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**10**	2.0	1	UG/L	08/11/2020	RAL

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-22
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 4:10:00 PM
CLIENT SAMPLE ID	SB-8-3.5-5.5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	**60**	3.0	1	MG/KG	08/19/2020	JNF
Arsenic	EPA-6020	**10**	0.20	1	MG/KG	08/10/2020	RAL
Cobalt	EPA-6020	**16**	0.10	1	MG/KG	08/10/2020	RAL
Molybdenum	EPA-6020	**2.3**	0.10	1	MG/KG	08/10/2020	RAL
Nickel	EPA-6020	**18**	0.10	1	MG/KG	08/10/2020	RAL

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS JOB#:	EV20080031
		ALS SAMPLE#:	EV20080031-23
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/06/2020
CLIENT PROJECT:	Sunnyside PNR0696	COLLECTION DATE:	8/5/2020 4:20:00 PM
CLIENT SAMPLE ID	SB-8-GW	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**150**	7.6	50	MG/L	08/07/2020	JNF
Arsenic	EPA-200.8	**21**	1.0	1	UG/L	08/11/2020	RAL
Cobalt	EPA-200.8	**24**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum	EPA-200.8	**120**	1.0	1	UG/L	08/11/2020	RAL
Nickel	EPA-200.8	**25**	2.0	1	UG/L	08/11/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**10**	1.0	1	UG/L	08/11/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**1.0**	1.0	1	UG/L	08/11/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**130**	1.0	1	UG/L	08/11/2020	RAL
Nickel (Dissolved)	EPA-200.8	**3.2**	2.0	1	UG/L	08/11/2020	RAL

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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Melissa Asher

CLIENT PROJECT: Sunnyside PNR0696

DATE: 8/20/2020

ALS SDG#: EV20080031

WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MBLK-R367155 - Batch R367155 - Soil by EPA-300.0M

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	U	MG/KG	3.0	08/18/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R367156 - Batch R367156 - Soil by EPA-300.0M

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0M	U	MG/KG	3.0	08/19/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R366784 - Batch R366784 - Water by EPA-300.0

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	U	MG/L	0.15	08/07/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-081020S - Batch 156315 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	08/10/2020	RAL
Cobalt	EPA-6020	U	MG/KG	0.10	08/10/2020	RAL
Molybdenum	EPA-6020	U	MG/KG	0.10	08/10/2020	RAL
Nickel	EPA-6020	U	MG/KG	0.10	08/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-081020W - Batch 156313 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	08/10/2020	RAL
Cobalt	EPA-200.8	U	UG/L	1.0	08/10/2020	RAL
Molybdenum	EPA-200.8	U	UG/L	1.0	08/10/2020	RAL
Nickel	EPA-200.8	U	UG/L	2.0	08/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-081020W - Batch 156314 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved)	EPA-200.8	U	UG/L	1.0	08/10/2020	RAL
Cobalt (Dissolved)	EPA-200.8	U	UG/L	1.0	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	8/20/2020
		ALS SDG#:	EV20080031
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Melissa Asher		
CLIENT PROJECT:	Sunnyside PNR0696		

LABORATORY BLANK RESULTS

MB-081020W - Batch 156314 - Water by EPA-200.8

Molybdenum (Dissolved)	EPA-200.8	U	UG/L	1.0	08/10/2020	RAL
Nickel (Dissolved)	EPA-200.8	U	UG/L	2.0	08/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Melissa Asher
CLIENT PROJECT: Sunnyside PNR0696

DATE: 8/20/2020
ALS SDG#: EV20080031
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R367155 - Soil by EPA-300.0M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Nitrate - BS	EPA-300.0M	**99.5**			80	120	08/18/2020	JNF
Nitrate - BSD	EPA-300.0M	**99.5**	**0**		80	120	08/18/2020	JNF

ALS Test Batch ID: R367156 - Soil by EPA-300.0M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Nitrate - BS	EPA-300.0M	**98.5**			80	120	08/19/2020	JNF
Nitrate - BSD	EPA-300.0M	**101**	**3**		80	120	08/19/2020	JNF

ALS Test Batch ID: R366784 - Water by EPA-300.0

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Nitrate - BS	EPA-300.0	**106**			80	120	08/07/2020	JNF
Nitrate - BSD	EPA-300.0	**104**	**2**		80	120	08/07/2020	JNF

ALS Test Batch ID: 156315 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-6020	**92.0**			80	120	08/10/2020	RAL
Arsenic - BSD	EPA-6020	**92.9**	**1**		80	120	08/10/2020	RAL
Cobalt - BS	EPA-6020	**99.0**			80	120	08/10/2020	RAL
Cobalt - BSD	EPA-6020	**98.3**	**1**		80	120	08/10/2020	RAL
Molybdenum - BS	EPA-6020	**92.2**			80	120	08/10/2020	RAL
Molybdenum - BSD	EPA-6020	**92.9**	**1**		80	120	08/10/2020	RAL
Nickel - BS	EPA-6020	**94.9**			80	120	08/10/2020	RAL
Nickel - BSD	EPA-6020	**95.7**	**1**		80	120	08/10/2020	RAL

ALS Test Batch ID: 156313 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-200.8	**95.5**			89.1	110	08/10/2020	RAL
Arsenic - BSD	EPA-200.8	**94.9**	**1**		89.1	110	08/10/2020	RAL
Cobalt - BS	EPA-200.8	**101**			85.8	108	08/10/2020	RAL
Cobalt - BSD	EPA-200.8	**102**	**1**		85.8	108	08/10/2020	RAL
Molybdenum - BS	EPA-200.8	**95.7**			90.3	113	08/10/2020	RAL
Molybdenum - BSD	EPA-200.8	**94.9**	**1**		90.3	113	08/10/2020	RAL
Nickel - BS	EPA-200.8	**96.3**			85.4	109	08/10/2020	RAL
Nickel - BSD	EPA-200.8	**95.6**	**1**		85.4	109	08/10/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Melissa Asher

CLIENT PROJECT: Sunnyside PNR0696

DATE: 8/20/2020

ALS SDG#: EV20080031

WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 156314 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved) - BS	EPA-200.8	**95.5**			89.1	110	08/10/2020	RAL
Arsenic (Dissolved) - BSD	EPA-200.8	**94.9**	**1**		89.1	110	08/10/2020	RAL
Cobalt (Dissolved) - BS	EPA-200.8	**101**			85.8	108	08/10/2020	RAL
Cobalt (Dissolved) - BSD	EPA-200.8	**102**	**1**		85.8	108	08/10/2020	RAL
Molybdenum (Dissolved) - BS	EPA-200.8	**95.7**			90.3	113	08/10/2020	RAL
Molybdenum (Dissolved) - BSD	EPA-200.8	**94.9**	**1**		90.3	113	08/10/2020	RAL
Nickel (Dissolved) - BS	EPA-200.8	**96.3**			85.4	109	08/10/2020	RAL
Nickel (Dissolved) - BSD	EPA-200.8	**95.6**	**1**		85.4	109	08/10/2020	RAL

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2008031

Date 8-5-20 Page 1 Of 3

PROJECT ID:	Sunnyside PNR0696
REPORT TO COMPANY:	Geosynlec
PROJECT MANAGER:	Melissa Asher
ADDRESS:	520 Pike St #2600 Seattle, WA 98101
PHONE:	206-496-1450 P.O. #: PNR0696
E-MAIL:	masher@geosynlec.com
INVOICE TO COMPANY:	SAA
ATTENTION:	
ADDRESS:	

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐	BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐	MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐	Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐	RCRA-8 ☐	Pri Pol ☐	TAL ☐	Metals Other (Specify)	TCLP-Metals ☐	VOA ☐	Semi-Vol ☐	Pest ☐	Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. SB-9-0-3	8/5/20	1130	S	1																				As, Ni, Co, Mo						Nitrate (EPA 300)	1	
2. SB-15-0-3		1155	S	2																											1	
3. SB-15-4-6		1200	S	3																											1	
4. SB-15-GW		1200	GW	4																											3	
5. SB-15-GW DUP		1200	GW	5																											3	
6. SB-12-0-3		1220	S	6																											1	
7. SB-12-3.5-5		1230	S	7																											1	
8. SB-12-GW		1250	GW	8																											3	
9. SB-14-0-3		1250	S	9																											1	
10. SB-14-4-6	↓	1300	S	10																											1	

SPECIAL INSTRUCTIONS: Total & Diss Metals for GW (EPA 200.8), field filtered

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: ... Geosynlec 8-6-20 0933
   Received By: ALS 8/6/20 0933
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: [10] Standard | 5 | 3 | 2 | 1 | SAME DAY

Fuels & Hydrocarbon Analysis: [5] Standard | 3 | 1 | SAME DAY

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

ALS Environmental
8620 Holly Drive, Suite 100
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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2008031

Date 8-5-20 Page 2 Of 3

PROJECT ID: Sunnyside PNR0696
REPORT TO COMPANY: Geosyntec
PROJECT MANAGER: Melissa Asher
ADDRESS: 520 Pike St #2600
Seattle, WA 98101
PHONE: 206-496-1450 P.O. #: PNR0696
E-MAIL: masher@geosyntec.com
INVOICE TO COMPANY: SAM
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

OTHER (Specify)

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	Nitrate (EPA 300)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. SB-13-0-3	8/5/20	1355	S	11														As, Ni, Co, Mo		X	1	
2. SB-14-GW		1340	GW	12														X		X	3	
3. SB-13-GW		1405	GW	13														X		X	3	
4. SB-13-4-6		1405	S	14														X		X	1	
5. SB-3-4-5.5		1425	S	15														X		X	1	
6. SB-3-GW		1440	GW	16														X		X	3	
7. SB-4-3.5-5.5		1455	S	17														X		X	1	
8. SB-4-GW		1505	GW	18														X		X	3	
9. SB-10-0-3		1520	S	19														X		X	1	
10. SB-5-4-6	↓	1545	S	20														X		X	1	

SPECIAL INSTRUCTIONS: Total & Diss. Metals for GW (EPA 200.8). Field filtered

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: 1 , Geosyntec, 8-6-20, 0933
Received By: ALS 8/6/20 9:33
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: (10 Standard) 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard 3 1 SAME DAY

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2008031

Date 8-5-20 Page 3 Of 3

PROJECT ID: Sunnyside PWR0696
REPORT TO COMPANY: Geosyntec
PROJECT MANAGER: Melissa Asher
ADDRESS: 520 Pike St. #2600
Seattle, WA 98101
PHONE: 206-496-1450 P.O. #: PWR0696
E-MAIL: masher@geosyntec.com
INVOICE TO COMPANY: SAA
ATTENTION:
ADDRESS:

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. SB-5-GW	8-5-20	1545	GW	21														X		X	3	
2. SB-8-3.5-5.5	↓	1610	S	22														X		X	1	
3. SB-8-GW	↓	1620	GW	23														X		X	3	
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

As, Ni, Co, Mo
Nitrate (EPA 300)
DJ 8-6-20
DJ 8-6-20

SPECIAL INSTRUCTIONS: Total & Diss. Metals for GW (EPA 200.8), field filtered

SIGNATURES (Name, Company, Date, Time):
1. Relinquished By: [signature], Geosyntec, 8-6-20, 0933
Received By: [signature] ALS 8/6/20 9:33
2. Relinquished By:
Received By:

TURNAROUND REQUESTED in Business Days*
Organic, Metals & Inorganic Analysis: (10) Standard | 5 | 3 | 2 | 1 | SAME DAY
Fuels & Hydrocarbon Analysis: 5 Standard | 3 | 1 | SAME DAY
OTHER:
Specify:

*Turnaround request less than standard may incur Rush Charges

September 11, 2020

Ms. Melissa Asher
Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

Dear Ms. Asher,

On August 27th, 8 samples were received by our laboratory and assigned our laboratory project number EV20080134. The project was identified as your PNR0696. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS JOB#:	EV20080134
		ALS SAMPLE#:	EV20080134-01
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 11:20:00 AM
CLIENT SAMPLE ID	MW-2-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**6.5**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**2.2**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**6.0**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**0.69**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**8.1**	0.10	1	MG/KG	08/31/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS JOB#:	EV20080134
		ALS SAMPLE#:	EV20080134-02
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 11:30:00 AM
CLIENT SAMPLE ID	MW-2-3.5-5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**34**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**3.5**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**12**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**0.29**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**12**	0.10	1	MG/KG	08/31/2020	RAL

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS JOB#:	EV20080134
		ALS SAMPLE#:	EV20080134-03
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 12:20:00 PM
CLIENT SAMPLE ID	MW-4-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**7.0**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**3.8**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**10**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**1.5**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**15**	0.10	1	MG/KG	08/31/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS JOB#:	EV20080134
		ALS SAMPLE#:	EV20080134-04
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 12:25:00 PM
CLIENT SAMPLE ID	MW-4-3.5-5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**7.2**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**4.6**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**10**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**0.69**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**15**	0.10	1	MG/KG	08/31/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS JOB#:	EV20080134
		ALS SAMPLE#:	EV20080134-05
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 1:20:00 PM
CLIENT SAMPLE ID	MW-3-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**4.8**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**3.7**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**11**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**0.65**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**13**	0.10	1	MG/KG	08/31/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	9/11/2020 EV20080134 EV20080134-06
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 1:25:00 PM
CLIENT SAMPLE ID	MW-3-3.5-5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**12**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**7.6**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**11**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**1.1**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**14**	0.10	1	MG/KG	08/31/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS JOB#:	EV20080134
		ALS SAMPLE#:	EV20080134-07
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 2:30:00 PM
CLIENT SAMPLE ID	MW-1-0-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**50**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**5.2**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**12**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**0.69**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**19**	0.10	1	MG/KG	08/31/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS JOB#:	EV20080134
		ALS SAMPLE#:	EV20080134-08
CLIENT CONTACT:	Melissa Asher	DATE RECEIVED:	08/27/2020
CLIENT PROJECT:	PNR0696	COLLECTION DATE:	8/25/2020 2:35:00 PM
CLIENT SAMPLE ID	MW-1-3.5-5	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	**23**	4.0	1	MG/KG	09/09/2020	JNF
Arsenic	EPA-6020	**7.1**	0.20	1	MG/KG	08/31/2020	RAL
Cobalt	EPA-6020	**10**	0.10	1	MG/KG	08/31/2020	RAL
Molybdenum	EPA-6020	**0.58**	0.10	1	MG/KG	08/31/2020	RAL
Nickel	EPA-6020	**18**	0.10	1	MG/KG	08/31/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS SDG#:	EV20080134
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Melissa Asher		
CLIENT PROJECT:	PNR0696		

LABORATORY BLANK RESULTS

MBLK-R368422 - Batch R368422 - Soil by EPA-300.0M

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0M	U	MG/KG	4.0	09/09/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MB-082720S - Batch 156810 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	08/31/2020	RAL
Cobalt	EPA-6020	U	MG/KG	0.10	08/31/2020	RAL
Molybdenum	EPA-6020	U	MG/KG	0.10	08/31/2020	RAL
Nickel	EPA-6020	U	MG/KG	0.10	08/31/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	9/11/2020
		ALS SDG#:	EV20080134
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Melissa Asher		
CLIENT PROJECT:	PNR0696		

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R368422 - Soil by EPA-300.0M

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Nitrate as N - BS	EPA-300.0M	**102**			80	120	09/09/2020	JNF
Nitrate as N - BSD	EPA-300.0M	**104**	**2**		80	120	09/09/2020	JNF

ALS Test Batch ID: 156810 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-6020	**96.5**			80	120	08/31/2020	RAL
Arsenic - BSD	EPA-6020	**97.2**	**1**		80	120	08/31/2020	RAL
Cobalt - BS	EPA-6020	**97.0**			80	120	08/31/2020	RAL
Cobalt - BSD	EPA-6020	**97.4**	**0**		80	120	08/31/2020	RAL
Molybdenum - BS	EPA-6020	**94.1**			80	120	08/31/2020	RAL
Molybdenum - BSD	EPA-6020	**94.3**	**0**		80	120	08/31/2020	RAL
Nickel - BS	EPA-6020	**99.1**			80	120	08/31/2020	RAL
Nickel - BSD	EPA-6020	**99.8**	**1**		80	120	08/31/2020	RAL

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV20080134

Date 8/25/20 Page 1 Of 1

PROJECT ID: PNR0696
REPORT TO COMPANY: Geosyntec
PROJECT MANAGER: Melissa Asher
ADDRESS: 520 pike St. #2600
Seattle, WA 98101
PHONE: 206-496-1449 P.O. #: PNR0696
E-MAIL: masher@geosyntec.com; luke.smith@geosyntec.com
INVOICE TO COMPANY: Geosyntec
ATTENTION: Sandra Woolf
ADDRESS: SWoolf@geosyntec.com
206-496-1471

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify) As, Cd, Mo, Ni, (EPA 6020)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify) Nitrate as N (EPA 300.0)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-2-0-3	8/25/20	1120	Soil	1													X		X		1	
2. MW-2-35-5		1130		2																		
3. MW-4-0-3		1220		3																		
4. MW-4-3.5-5		1225		4																		
5. MW-3-0-3		1320		5																		
6. MW-3-3.5-5		1325		6																		
7. MW-1-0-3		1430		7																		
8. MW-1-3.5-5		1435		8																		
9.																						
10.																						

NS 8/25/20 NS 8/25/20 NS 8/25/20 NS 8/25/20

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Geosyntec 8/26/20 1910
Received By: Geosyntec 8/26/20 1910
2. Relinquished By: Geosyntec 8/27/20 1020
Received By: Shawn Rubin NS 8/27/20 1020

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: (10 Standard) 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard 3 1 SAME DAY

OTHER: Specify: _____

*Turnaround request less than standard may incur Rush Charges

April 7, 2021

Ms. Rose Bier
Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

Dear Ms. Bier,

On September 2nd, 7 samples were received by our laboratory and assigned our laboratory project number EV20090019. The project was identified as your Sunnyside. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	4/7/2021 EV20090019 EV20090019-01
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 11:01:00 AM
CLIENT SAMPLE ID	GW-090220-MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**68**	7.6	50	MG/L	09/03/2020	JNF
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	09/06/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**14**	1.0	1	UG/L	09/03/2020	RAL
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL
Cobalt (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**29**	1.0	1	UG/L	09/03/2020	RAL
Nickel (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	4/7/2021 EV20090019 EV20090019-02
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 9:32:00 AM
CLIENT SAMPLE ID	GW-090220-MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**430**	7.6	50	MG/L	09/03/2020	JNF
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	09/06/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**210**	1.0	1	UG/L	09/03/2020	RAL
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**9.1**	1.0	1	UG/L	09/03/2020	RAL
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**32**	1.0	1	UG/L	09/03/2020	RAL
Nickel (Dissolved)	EPA-200.8	**66**	2.0	1	UG/L	09/03/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	4/7/2021 EV20090019 EV20090019-03
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 10:34:00 AM
CLIENT SAMPLE ID	GW-090220-MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**83**	7.6	50	MG/L	09/03/2020	JNF
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	09/06/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**72**	1.0	1	UG/L	09/03/2020	RAL
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL
Cobalt (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**36**	1.0	1	UG/L	09/03/2020	RAL
Nickel (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS JOB#:	EV20090019
		ALS SAMPLE#:	EV20090019-04
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 10:02:00 AM
CLIENT SAMPLE ID	GW-090220-MW-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**760**	15	100	MG/L	09/03/2020	JNF
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	09/06/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**65**	1.0	1	UG/L	09/03/2020	RAL
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**19**	1.0	1	UG/L	09/03/2020	RAL
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**130**	1.0	1	UG/L	09/03/2020	RAL
Nickel (Dissolved)	EPA-200.8	**80**	2.0	1	UG/L	09/03/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS JOB#:	EV20090019
		ALS SAMPLE#:	EV20090019-05
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 12:00:00 PM
CLIENT SAMPLE ID	GW-090220-DUP-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	**800**	7.6	50	MG/L	09/03/2020	JNF
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	09/06/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**64**	1.0	1	UG/L	09/03/2020	RAL
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**19**	1.0	1	UG/L	09/03/2020	RAL
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**130**	1.0	1	UG/L	09/03/2020	RAL
Nickel (Dissolved)	EPA-200.8	**79**	2.0	1	UG/L	09/03/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS JOB#:	EV20090019
		ALS SAMPLE#:	EV20090019-06
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 11:20:00 AM
CLIENT SAMPLE ID	IDW-Soil-090220	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/04/2020	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	09/05/2020	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	09/05/2020	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Acetone	EPA-8260	U	50	1	UG/KG	09/09/2020	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	09/09/2020	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	09/09/2020	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	09/09/2020	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	09/09/2020	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	09/09/2020	DLC
Toluene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	09/09/2020	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS JOB#:	EV20090019
		ALS SAMPLE#:	EV20090019-06
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 11:20:00 AM
CLIENT SAMPLE ID	IDW-Soil-090220	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/09/2020	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	09/09/2020	DLC
Styrene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	09/09/2020	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	09/09/2020	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	09/06/2020	RAL
Arsenic	EPA-6020	**6.5**	0.20	1	MG/KG	09/08/2020	RAL
Barium	EPA-6020	**120**	0.10	1	MG/KG	09/08/2020	RAL
Cadmium	EPA-6020	**0.31**	0.10	1	MG/KG	09/08/2020	RAL
Chromium	EPA-6020	**13**	0.20	1	MG/KG	09/08/2020	RAL
Lead	EPA-6020	**10**	0.10	1	MG/KG	09/08/2020	RAL
Selenium	EPA-6020	U	1.0	1	MG/KG	09/08/2020	RAL
Silver	EPA-6020	U	0.10	1	MG/KG	09/08/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	4/7/2021 EV20090019 EV20090019-06
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 11:20:00 AM
CLIENT SAMPLE ID	IDW-Soil-090220	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**72.8**	09/04/2020	KLS
C25	NWTPH-DX	**93.0**	09/05/2020	EBS
1,2-Dichloroethane-d4	EPA-8260	**126**	09/09/2020	DLC
Toluene-d8	EPA-8260	**90.0**	09/09/2020	DLC
4-Bromofluorobenzene	EPA-8260	**95.8**	09/09/2020	DLC

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS JOB#:	EV20090019
		ALS SAMPLE#:	EV20090019-07
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 11:10:00 AM
CLIENT SAMPLE ID	IDW-Water-090220	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/04/2020	KLS
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	09/04/2020	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/04/2020	EBS
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Chloromethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	09/04/2020	DLC
Bromomethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Acetone	EPA-8260	U	25	1	UG/L	09/04/2020	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	09/04/2020	DLC
Acrylonitrile	EPA-8260	U	10	1	UG/L	09/04/2020	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	09/04/2020	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Chloroform	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Trichloroethene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Dibromomethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	09/04/2020	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	09/04/2020	DLC
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS JOB#:	EV20090019
		ALS SAMPLE#:	EV20090019-07
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 11:10:00 AM
CLIENT SAMPLE ID	IDW-Water-090220	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	09/04/2020	DLC
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	09/04/2020	DLC
Styrene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Bromoform	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Bromobenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
T-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,3-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
N-Butylbenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	09/04/2020	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	09/04/2020	DLC
Mercury	EPA-245.1	U	0.20	1	UG/L	09/06/2020	RAL
Mercury (Dissolved)	EPA-245.1	U	0.20	1	UG/L	09/06/2020	RAL
Arsenic	EPA-200.8	**13**	1.0	1	UG/L	09/03/2020	RAL
Barium	EPA-200.8	**180**	1.0	1	UG/L	09/03/2020	RAL
Cadmium	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Chromium	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL
Lead	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	09/03/2020	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	4/7/2021 EV20090019 EV20090019-07
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	09/02/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	9/2/2020 11:10:00 AM
CLIENT SAMPLE ID	IDW-Water-090220	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved)	EPA-200.8	**13**	1.0	1	UG/L	09/03/2020	RAL
Barium (Dissolved)	EPA-200.8	**180**	1.0	1	UG/L	09/03/2020	RAL
Cadmium (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Chromium (Dissolved)	EPA-200.8	U	2.0	1	UG/L	09/03/2020	RAL
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL
Selenium (Dissolved)	EPA-200.8	U	4.0	1	UG/L	09/03/2020	RAL
Silver (Dissolved)	EPA-200.8	U	1.0	1	UG/L	09/03/2020	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	**85.7**	09/04/2020	KLS
C25	NWTPH-DX	**88.8**	09/04/2020	EBS
1,2-Dichloroethane-d4	EPA-8260	**101**	09/04/2020	DLC
Toluene-d8	EPA-8260	**100**	09/04/2020	DLC
4-Bromofluorobenzene	EPA-8260	**99.8**	09/04/2020	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS SDG#:	EV20090019
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Rose Bier		
CLIENT PROJECT:	Sunnyside		

LABORATORY BLANK RESULTS

MBG-090320S2 - Batch 157015 - Soil by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	09/03/2020	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MBG-090420W - Batch 157061 - Water by NWTPH-GX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	09/04/2020	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-090420S - Batch 157174 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	09/05/2020	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	09/05/2020	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-090420W - Batch 157173 - Water by NWTPH-DX

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	09/09/2020	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	09/09/2020	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-090920S - Batch 157148 - Soil by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Chloromethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Vinyl Chloride	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Bromomethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Chloroethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Trichlorofluoromethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Acetone	EPA-8260	U	UG/KG	50	09/09/2020	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Methylene Chloride	EPA-8260	U	UG/KG	20	09/09/2020	DLC
Acrylonitrile	EPA-8260	U	UG/KG	50	09/09/2020	DLC

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CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Rose Bier
CLIENT PROJECT: Sunnyside

DATE: 4/7/2021
ALS SDG#: EV20090019
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-090920S - Batch 157148 - Soil by EPA-8260

Methyl T-Butyl Ether	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
2-Butanone	EPA-8260	U	UG/KG	50	09/09/2020	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
2,2-Dichloropropane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Bromochloromethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Chloroform	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,1-Dichloropropene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Benzene	EPA-8260	U	UG/KG	5.0	09/09/2020	DLC
Trichloroethene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Dibromomethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Bromodichloromethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	09/09/2020	DLC
Toluene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	09/09/2020	DLC
1,3-Dichloropropane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Dibromochloromethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	09/09/2020	DLC
Chlorobenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
m,p-Xylene	EPA-8260	U	UG/KG	20	09/09/2020	DLC
Styrene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
o-Xylene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Bromoform	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Bromobenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
2-Chlorotoluene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
4-Chlorotoluene	EPA-8260	U	UG/KG	10	09/09/2020	DLC

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		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Rose Bier		
CLIENT PROJECT:	Sunnyside		

LABORATORY BLANK RESULTS

MB-090920S - Batch 157148 - Soil by EPA-8260

T-Butyl Benzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
N-Butylbenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/KG	50	09/09/2020	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Hexachlorobutadiene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
Naphthalene	EPA-8260	U	UG/KG	10	09/09/2020	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	UG/KG	10	09/09/2020	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MB-090320W - Batch 157053 - Water by EPA-8260

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Chloromethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Vinyl Chloride	EPA-8260	U	UG/L	0.20	09/03/2020	DLC
Bromomethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Trichlorofluoromethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Acetone	EPA-8260	U	UG/L	25	09/03/2020	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	09/03/2020	DLC
Acrylonitrile	EPA-8260	U	UG/L	10	09/03/2020	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
2-Butanone	EPA-8260	U	UG/L	10	09/03/2020	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
2,2-Dichloropropane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Bromochloromethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Chloroform	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,1-Dichloropropene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC

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CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	4/7/2021
		ALS SDG#:	EV20090019
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Rose Bier		
CLIENT PROJECT:	Sunnyside		

LABORATORY BLANK RESULTS

MB-090320W - Batch 157053 - Water by EPA-8260

Benzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Trichloroethene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Dibromomethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Bromodichloromethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	09/03/2020	DLC
Toluene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
2-Hexanone	EPA-8260	U	UG/L	10	09/03/2020	DLC
1,3-Dichloropropane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Dibromochloromethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	09/03/2020	DLC
Chlorobenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
m,p-Xylene	EPA-8260	U	UG/L	4.0	09/03/2020	DLC
Styrene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
o-Xylene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Bromoform	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Bromobenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
2-Chlorotoluene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
4-Chlorotoluene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
T-Butyl Benzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
N-Butylbenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/L	10	09/03/2020	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
Hexachlorobutadiene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC

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520 Pike St, Suite 2600
Seattle, WA 98101
CLIENT CONTACT: Rose Bier
CLIENT PROJECT: Sunnyside

DATE: 4/7/2021
ALS SDG#: EV20090019
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-090320W - Batch 157053 - Water by EPA-8260

Naphthalene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	UG/L	2.0	09/03/2020	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R368266 - Batch R368266 - Water by EPA-300.0

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Nitrate	EPA-300.0	U	MG/L	0.15	09/03/2020	JNF

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R368248 - Batch R368248 - Soil by EPA-7471

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	09/06/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R368269 - Batch R368269 - Water by EPA-245.1

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-245.1	U	UG/L	0.20	09/06/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-R368269 - Batch R368269 - Water by EPA-245.1

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury (Dissolved)	EPA-245.1	U	UG/L	0.20	09/06/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-090520S - Batch 157097 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	09/08/2020	RAL
Barium	EPA-6020	U	MG/KG	0.12	09/08/2020	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	09/08/2020	RAL
Chromium	EPA-6020	U	MG/KG	0.20	09/08/2020	RAL
Lead	EPA-6020	U	MG/KG	0.10	09/08/2020	RAL
Selenium	EPA-6020	U	MG/KG	1.0	09/08/2020	RAL
Silver	EPA-6020	U	MG/KG	0.10	09/08/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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CLIENT CONTACT:	Rose Bier		
CLIENT PROJECT:	Sunnyside		

LABORATORY BLANK RESULTS

MB-090320W - Batch 157029 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Barium	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Cadmium	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Chromium	EPA-200.8	U	UG/L	2.0	09/03/2020	RAL
Lead	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Selenium	EPA-200.8	U	UG/L	4.0	09/03/2020	RAL
Silver	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-090320W - Batch 157030 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved)	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Barium (Dissolved)	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Cadmium (Dissolved)	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Chromium (Dissolved)	EPA-200.8	U	UG/L	2.0	09/03/2020	RAL
Cobalt (Dissolved)	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Lead (Dissolved)	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL
Nickel (Dissolved)	EPA-200.8	U	UG/L	2.0	09/03/2020	RAL
Selenium (Dissolved)	EPA-200.8	U	UG/L	4.0	09/03/2020	RAL
Silver (Dissolved)	EPA-200.8	U	UG/L	1.0	09/03/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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CLIENT PROJECT: Sunnyside

DATE: 4/7/2021
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WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 157015 - Soil by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**85.5**			66.5	122.7	09/03/2020	KLS
TPH-Volatile Range - BSD	NWTPH-GX	**85.3**	**0**		66.5	122.7	09/04/2020	KLS

ALS Test Batch ID: 157061 - Water by NWTPH-GX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	**83.1**			66.5	122.7	09/04/2020	KLS
TPH-Volatile Range - BSD	NWTPH-GX	**92.4**	**11**		66.5	122.7	09/04/2020	KLS

ALS Test Batch ID: 157174 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**104**			75.5	122.1	09/05/2020	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**107**	**2**		75.5	122.1	09/05/2020	EBS

ALS Test Batch ID: 157173 - Water by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	**97.9**			67	125.2	09/04/2020	EBS
TPH-Diesel Range - BSD	NWTPH-DX	**92.6**	**6**		67	125.2	09/04/2020	EBS

ALS Test Batch ID: 157148 - Soil by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane - BS	EPA-8260	**99.8**			50	150	09/09/2020	DLC
Dichlorodifluoromethane - BSD	EPA-8260	**91.8**	**8**		50	150	09/09/2020	DLC
Chloromethane - BS	EPA-8260	**103**			50	150	09/09/2020	DLC
Chloromethane - BSD	EPA-8260	**94.7**	**8**		50	150	09/09/2020	DLC
Vinyl Chloride - BS	EPA-8260	**105**			50	150	09/09/2020	DLC
Vinyl Chloride - BSD	EPA-8260	**97.2**	**8**		50	150	09/09/2020	DLC
Bromomethane - BS	EPA-8260	**98.0**			50	150	09/09/2020	DLC
Bromomethane - BSD	EPA-8260	**92.1**	**6**		50	150	09/09/2020	DLC
Chloroethane - BS	EPA-8260	**103**			50	150	09/09/2020	DLC
Chloroethane - BSD	EPA-8260	**95.4**	**8**		50	150	09/09/2020	DLC
Carbon Tetrachloride - BS	EPA-8260	**116**			50	150	09/09/2020	DLC
Carbon Tetrachloride - BSD	EPA-8260	**110**	**6**		50	150	09/09/2020	DLC
Trichlorofluoromethane - BS	EPA-8260	**95.8**			50	150	09/09/2020	DLC
Trichlorofluoromethane - BSD	EPA-8260	**88.7**	**8**		50	150	09/09/2020	DLC
Carbon Disulfide - BS	EPA-8260	**107**			50	150	09/09/2020	DLC

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CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Rose Bier
CLIENT PROJECT: Sunnyside

DATE: 4/7/2021
ALS SDG#: EV20090019
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Carbon Disulfide - BSD	EPA-8260	**101**	**6**		50	150	09/09/2020	DLC
Acetone - BS	EPA-8260	**112**			50	150	09/09/2020	DLC
Acetone - BSD	EPA-8260	**94.6**	**17**		50	150	09/09/2020	DLC
1,1-Dichloroethene - BS	EPA-8260	**108**			70	130	09/09/2020	DLC
1,1-Dichloroethene - BSD	EPA-8260	**99.6**	**8**		70	130	09/09/2020	DLC
Methylene Chloride - BS	EPA-8260	**120**			50	150	09/09/2020	DLC
Methylene Chloride - BSD	EPA-8260	**116**	**3**		50	150	09/09/2020	DLC
Acrylonitrile - BS	EPA-8260	**105**			50	150	09/09/2020	DLC
Acrylonitrile - BSD	EPA-8260	**99.9**	**5**		50	150	09/09/2020	DLC
Methyl T-Butyl Ether - BS	EPA-8260	**98.9**			50	150	09/09/2020	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	**93.8**	**5**		50	150	09/09/2020	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	**108**			50	150	09/09/2020	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	**104**	**5**		50	150	09/09/2020	DLC
1,1-Dichloroethane - BS	EPA-8260	**121**			50	150	09/09/2020	DLC
1,1-Dichloroethane - BSD	EPA-8260	**116**	**4**		50	150	09/09/2020	DLC
2-Butanone - BS	EPA-8260	**106**			50	150	09/09/2020	DLC
2-Butanone - BSD	EPA-8260	**93.2**	**13**		50	150	09/09/2020	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	**107**			50	150	09/09/2020	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	**103**	**4**		50	150	09/09/2020	DLC
2,2-Dichloropropane - BS	EPA-8260	**126**			50	150	09/09/2020	DLC
2,2-Dichloropropane - BSD	EPA-8260	**118**	**7**		50	150	09/09/2020	DLC
Bromochloromethane - BS	EPA-8260	**124**			50	150	09/09/2020	DLC
Bromochloromethane - BSD	EPA-8260	**116**	**6**		50	150	09/09/2020	DLC
Chloroform - BS	EPA-8260	**115**			50	150	09/09/2020	DLC
Chloroform - BSD	EPA-8260	**109**	**5**		50	150	09/09/2020	DLC
1,1,1-Trichloroethane - BS	EPA-8260	**120**			50	150	09/09/2020	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	**114**	**5**		50	150	09/09/2020	DLC
1,1-Dichloropropene - BS	EPA-8260	**117**			50	150	09/09/2020	DLC
1,1-Dichloropropene - BSD	EPA-8260	**109**	**7**		50	150	09/09/2020	DLC
1,2-Dichloroethane - BS	EPA-8260	**101**			50	150	09/09/2020	DLC
1,2-Dichloroethane - BSD	EPA-8260	**98.6**	**2**		50	150	09/09/2020	DLC
Benzene - BS	EPA-8260	**96.9**			75	138	09/09/2020	DLC
Benzene - BSD	EPA-8260	**93.3**	**4**		75	138	09/09/2020	DLC
Trichloroethene - BS	EPA-8260	**118**			75	136	09/09/2020	DLC
Trichloroethene - BSD	EPA-8260	**112**	**5**		75	136	09/09/2020	DLC
1,2-Dichloropropane - BS	EPA-8260	**99.4**			50	150	09/09/2020	DLC
1,2-Dichloropropane - BSD	EPA-8260	**94.4**	**5**		50	150	09/09/2020	DLC
Dibromomethane - BS	EPA-8260	**103**			50	150	09/09/2020	DLC
Dibromomethane - BSD	EPA-8260	**102**	**2**		50	150	09/09/2020	DLC
Bromodichloromethane - BS	EPA-8260	**110**			50	150	09/09/2020	DLC

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LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Bromodichloromethane - BSD	EPA-8260	**105**	**5**		50	150	09/09/2020	DLC
Trans-1,3-Dichloropropene - BS	EPA-8260	**91.2**			50	150	09/09/2020	DLC
Trans-1,3-Dichloropropene - BSD	EPA-8260	**89.8**	**2**		50	150	09/09/2020	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	**109**			50	150	09/09/2020	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	**105**	**3**		50	150	09/09/2020	DLC
Toluene - BS	EPA-8260	**113**			71.6	122.1	09/09/2020	DLC
Toluene - BSD	EPA-8260	**110**	**3**		71.6	122.1	09/09/2020	DLC
Cis-1,3-Dichloropropene - BS	EPA-8260	**107**			50	150	09/09/2020	DLC
Cis-1,3-Dichloropropene - BSD	EPA-8260	**104**	**2**		50	150	09/09/2020	DLC
1,1,2-Trichloroethane - BS	EPA-8260	**103**			50	150	09/09/2020	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	**102**	**1**		50	150	09/09/2020	DLC
2-Hexanone - BS	EPA-8260	**101**			50	150	09/09/2020	DLC
2-Hexanone - BSD	EPA-8260	**94.9**	**6**		50	150	09/09/2020	DLC
1,3-Dichloropropane - BS	EPA-8260	**113**			50	150	09/09/2020	DLC
1,3-Dichloropropane - BSD	EPA-8260	**110**	**3**		50	150	09/09/2020	DLC
Tetrachloroethylene - BS	EPA-8260	**113**			50	150	09/09/2020	DLC
Tetrachloroethylene - BSD	EPA-8260	**106**	**6**		50	150	09/09/2020	DLC
Dibromochloromethane - BS	EPA-8260	**91.1**			50	150	09/09/2020	DLC
Dibromochloromethane - BSD	EPA-8260	**89.2**	**2**		50	150	09/09/2020	DLC
1,2-Dibromoethane - BS	EPA-8260	**102**			50	150	09/09/2020	DLC
1,2-Dibromoethane - BSD	EPA-8260	**100**	**2**		50	150	09/09/2020	DLC
Chlorobenzene - BS	EPA-8260	**104**			79	128	09/09/2020	DLC
Chlorobenzene - BSD	EPA-8260	**102**	**2**		79	128	09/09/2020	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	**115**			50	150	09/09/2020	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	**112**	**3**		50	150	09/09/2020	DLC
Ethylbenzene - BS	EPA-8260	**97.8**			50	150	09/09/2020	DLC
Ethylbenzene - BSD	EPA-8260	**94.7**	**3**		50	150	09/09/2020	DLC
m,p-Xylene - BS	EPA-8260	**100**			50	150	09/09/2020	DLC
m,p-Xylene - BSD	EPA-8260	**97.3**	**3**		50	150	09/09/2020	DLC
Styrene - BS	EPA-8260	**101**			50	150	09/09/2020	DLC
Styrene - BSD	EPA-8260	**98.2**	**3**		50	150	09/09/2020	DLC
o-Xylene - BS	EPA-8260	**98.1**			50	150	09/09/2020	DLC
o-Xylene - BSD	EPA-8260	**96.0**	**2**		50	150	09/09/2020	DLC
Bromoform - BS	EPA-8260	**95.9**			50	150	09/09/2020	DLC
Bromoform - BSD	EPA-8260	**93.0**	**3**		50	150	09/09/2020	DLC
Isopropylbenzene - BS	EPA-8260	**114**			50	150	09/09/2020	DLC
Isopropylbenzene - BSD	EPA-8260	**109**	**5**		50	150	09/09/2020	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	**85.1**			50	150	09/09/2020	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	**80.9**	**5**		50	150	09/09/2020	DLC
1,2,3-Trichloropropane - BS	EPA-8260	**102**			50	150	09/09/2020	DLC

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LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
1,2,3-Trichloropropane - BSD	EPA-8260	**97.6**	**4**		50	150	09/09/2020	DLC
Bromobenzene - BS	EPA-8260	**101**			50	150	09/09/2020	DLC
Bromobenzene - BSD	EPA-8260	**98.2**	**3**		50	150	09/09/2020	DLC
N-Propyl Benzene - BS	EPA-8260	**102**			50	150	09/09/2020	DLC
N-Propyl Benzene - BSD	EPA-8260	**95.1**	**7**		50	150	09/09/2020	DLC
2-Chlorotoluene - BS	EPA-8260	**106**			50	150	09/09/2020	DLC
2-Chlorotoluene - BSD	EPA-8260	**100**	**6**		50	150	09/09/2020	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	**105**			50	150	09/09/2020	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	**98.2**	**7**		50	150	09/09/2020	DLC
4-Chlorotoluene - BS	EPA-8260	**101**			50	150	09/09/2020	DLC
4-Chlorotoluene - BSD	EPA-8260	**95.5**	**6**		50	150	09/09/2020	DLC
T-Butyl Benzene - BS	EPA-8260	**86.7**			50	150	09/09/2020	DLC
T-Butyl Benzene - BSD	EPA-8260	**81.8**	**6**		50	150	09/09/2020	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	**106**			50	150	09/09/2020	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	**99.3**	**6**		50	150	09/09/2020	DLC
S-Butyl Benzene - BS	EPA-8260	**102**			50	150	09/09/2020	DLC
S-Butyl Benzene - BSD	EPA-8260	**95.8**	**7**		50	150	09/09/2020	DLC
P-Isopropyltoluene - BS	EPA-8260	**101**			50	150	09/09/2020	DLC
P-Isopropyltoluene - BSD	EPA-8260	**95.0**	**6**		50	150	09/09/2020	DLC
1,3-Dichlorobenzene - BS	EPA-8260	**103**			50	150	09/09/2020	DLC
1,3-Dichlorobenzene - BSD	EPA-8260	**97.0**	**6**		50	150	09/09/2020	DLC
1,4-Dichlorobenzene - BS	EPA-8260	**101**			50	150	09/09/2020	DLC
1,4-Dichlorobenzene - BSD	EPA-8260	**96.4**	**5**		50	150	09/09/2020	DLC
N-Butylbenzene - BS	EPA-8260	**86.8**			50	150	09/09/2020	DLC
N-Butylbenzene - BSD	EPA-8260	**79.5**	**9**		50	150	09/09/2020	DLC
1,2-Dichlorobenzene - BS	EPA-8260	**98.5**			50	150	09/09/2020	DLC
1,2-Dichlorobenzene - BSD	EPA-8260	**93.1**	**6**		50	150	09/09/2020	DLC
1,2-Dibromo 3-Chloropropane - BS	EPA-8260	**93.5**			50	150	09/09/2020	DLC
1,2-Dibromo 3-Chloropropane - BSD	EPA-8260	**85.0**	**10**		50	150	09/09/2020	DLC
1,2,4-Trichlorobenzene - BS	EPA-8260	**104**			50	150	09/09/2020	DLC
1,2,4-Trichlorobenzene - BSD	EPA-8260	**100**	**4**		50	150	09/09/2020	DLC
Hexachlorobutadiene - BS	EPA-8260	**104**			50	150	09/09/2020	DLC
Hexachlorobutadiene - BSD	EPA-8260	**98.6**	**5**		50	150	09/09/2020	DLC
Naphthalene - BS	EPA-8260	**88.6**			50	150	09/09/2020	DLC
Naphthalene - BSD	EPA-8260	**85.5**	**3**		50	150	09/09/2020	DLC
1,2,3-Trichlorobenzene - BS	EPA-8260	**103**			50	150	09/09/2020	DLC
1,2,3-Trichlorobenzene - BSD	EPA-8260	**100**	**3**		50	150	09/09/2020	DLC

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DATE: 4/7/2021
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WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 157053 - Water by EPA-8260

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane - BS	EPA-8260	**114**			50	150	09/03/2020	DLC
Dichlorodifluoromethane - BSD	EPA-8260	**108**	**5**		50	150	09/03/2020	DLC
Chloromethane - BS	EPA-8260	**99.7**			50	150	09/03/2020	DLC
Chloromethane - BSD	EPA-8260	**93.4**	**7**		50	150	09/03/2020	DLC
Vinyl Chloride - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
Vinyl Chloride - BSD	EPA-8260	**98.1**	**6**		50	150	09/03/2020	DLC
Bromomethane - BS	EPA-8260	**126**			50	150	09/03/2020	DLC
Bromomethane - BSD	EPA-8260	**120**	**4**		50	150	09/03/2020	DLC
Chloroethane - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
Chloroethane - BSD	EPA-8260	**97.5**	**6**		50	150	09/03/2020	DLC
Carbon Tetrachloride - BS	EPA-8260	**109**			50	150	09/03/2020	DLC
Carbon Tetrachloride - BSD	EPA-8260	**104**	**5**		50	150	09/03/2020	DLC
Trichlorofluoromethane - BS	EPA-8260	**116**			50	150	09/03/2020	DLC
Trichlorofluoromethane - BSD	EPA-8260	**109**	**6**		50	150	09/03/2020	DLC
Carbon Disulfide - BS	EPA-8260	**101**			50	150	09/03/2020	DLC
Carbon Disulfide - BSD	EPA-8260	**96.1**	**5**		50	150	09/03/2020	DLC
Acetone - BS	EPA-8260	**123**			50	150	09/03/2020	DLC
Acetone - BSD	EPA-8260	**109**	**13**		50	150	09/03/2020	DLC
1,1-Dichloroethene - BS	EPA-8260	**102**			72.5	136	09/03/2020	DLC
1,1-Dichloroethene - BSD	EPA-8260	**96.4**	**6**		72.5	136	09/03/2020	DLC
Methylene Chloride - BS	EPA-8260	**98.5**			50	150	09/03/2020	DLC
Methylene Chloride - BSD	EPA-8260	**95.5**	**3**		50	150	09/03/2020	DLC
Acrylonitrile - BS	EPA-8260	**107**			50	150	09/03/2020	DLC
Acrylonitrile - BSD	EPA-8260	**101**	**6**		50	150	09/03/2020	DLC
Methyl T-Butyl Ether - BS	EPA-8260	**110**			50	150	09/03/2020	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	**107**	**3**		50	150	09/03/2020	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	**101**			50	150	09/03/2020	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	**95.6**	**5**		50	150	09/03/2020	DLC
1,1-Dichloroethane - BS	EPA-8260	**102**			50	150	09/03/2020	DLC
1,1-Dichloroethane - BSD	EPA-8260	**96.6**	**5**		50	150	09/03/2020	DLC
2-Butanone - BS	EPA-8260	**118**			50	150	09/03/2020	DLC
2-Butanone - BSD	EPA-8260	**110**	**7**		50	150	09/03/2020	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	**102**			50	150	09/03/2020	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	**96.8**	**5**		50	150	09/03/2020	DLC
2,2-Dichloropropane - BS	EPA-8260	**111**			50	150	09/03/2020	DLC
2,2-Dichloropropane - BSD	EPA-8260	**104**	**7**		50	150	09/03/2020	DLC
Bromochloromethane - BS	EPA-8260	**102**			50	150	09/03/2020	DLC
Bromochloromethane - BSD	EPA-8260	**97.6**	**4**		50	150	09/03/2020	DLC
Chloroform - BS	EPA-8260	**115**			50	150	09/03/2020	DLC

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LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Chloroform - BSD	EPA-8260	**109**	**5**		50	150	09/03/2020	DLC
1,1,1-Trichloroethane - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	**98.4**	**6**		50	150	09/03/2020	DLC
1,1-Dichloropropene - BS	EPA-8260	**106**			50	150	09/03/2020	DLC
1,1-Dichloropropene - BSD	EPA-8260	**100**	**6**		50	150	09/03/2020	DLC
1,2-Dichloroethane - BS	EPA-8260	**96.9**			50	150	09/03/2020	DLC
1,2-Dichloroethane - BSD	EPA-8260	**93.5**	**4**		50	150	09/03/2020	DLC
Benzene - BS	EPA-8260	**109**			74.7	143	09/03/2020	DLC
Benzene - BSD	EPA-8260	**104**	**5**		74.7	143	09/03/2020	DLC
Trichloroethene - BS	EPA-8260	**98.1**			74.4	141	09/03/2020	DLC
Trichloroethene - BSD	EPA-8260	**93.6**	**5**		74.4	141	09/03/2020	DLC
1,2-Dichloropropane - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
1,2-Dichloropropane - BSD	EPA-8260	**98.3**	**4**		50	150	09/03/2020	DLC
Dibromomethane - BS	EPA-8260	**102**			50	150	09/03/2020	DLC
Dibromomethane - BSD	EPA-8260	**98.5**	**3**		50	150	09/03/2020	DLC
Bromodichloromethane - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
Bromodichloromethane - BSD	EPA-8260	**98.9**	**4**		50	150	09/03/2020	DLC
Trans-1,3-Dichloropropene - BS	EPA-8260	**108**			50	150	09/03/2020	DLC
Trans-1,3-Dichloropropene - BSD	EPA-8260	**102**	**5**		50	150	09/03/2020	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	**105**			50	150	09/03/2020	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	**102**	**3**		50	150	09/03/2020	DLC
Toluene - BS	EPA-8260	**97.5**			71.7	139	09/03/2020	DLC
Toluene - BSD	EPA-8260	**92.8**	**5**		71.7	139	09/03/2020	DLC
Cis-1,3-Dichloropropene - BS	EPA-8260	**106**			50	150	09/03/2020	DLC
Cis-1,3-Dichloropropene - BSD	EPA-8260	**101**	**4**		50	150	09/03/2020	DLC
1,1,2-Trichloroethane - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	**99.8**	**4**		50	150	09/03/2020	DLC
2-Hexanone - BS	EPA-8260	**109**			50	150	09/03/2020	DLC
2-Hexanone - BSD	EPA-8260	**102**	**6**		50	150	09/03/2020	DLC
1,3-Dichloropropane - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
1,3-Dichloropropane - BSD	EPA-8260	**98.0**	**5**		50	150	09/03/2020	DLC
Tetrachloroethylene - BS	EPA-8260	**132**			50	150	09/03/2020	DLC
Tetrachloroethylene - BSD	EPA-8260	**112**	**16**		50	150	09/03/2020	DLC
Dibromochloromethane - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
Dibromochloromethane - BSD	EPA-8260	**98.8**	**5**		50	150	09/03/2020	DLC
1,2-Dibromoethane - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
1,2-Dibromoethane - BSD	EPA-8260	**99.0**	**4**		50	150	09/03/2020	DLC
Chlorobenzene - BS	EPA-8260	**102**			73	131	09/03/2020	DLC
Chlorobenzene - BSD	EPA-8260	**96.8**	**6**		73	131	09/03/2020	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	**103**			50	150	09/03/2020	DLC

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

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CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Rose Bier
CLIENT PROJECT: Sunnyside

DATE: 4/7/2021
ALS SDG#: EV20090019
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	**97.8**	**5**		50	150	09/03/2020	DLC
Ethylbenzene - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
Ethylbenzene - BSD	EPA-8260	**96.1**	**7**		50	150	09/03/2020	DLC
m,p-Xylene - BS	EPA-8260	**101**			50	150	09/03/2020	DLC
m,p-Xylene - BSD	EPA-8260	**95.0**	**6**		50	150	09/03/2020	DLC
Styrene - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
Styrene - BSD	EPA-8260	**96.9**	**7**		50	150	09/03/2020	DLC
o-Xylene - BS	EPA-8260	**101**			50	150	09/03/2020	DLC
o-Xylene - BSD	EPA-8260	**94.9**	**7**		50	150	09/03/2020	DLC
Bromoform - BS	EPA-8260	**106**			50	150	09/03/2020	DLC
Bromoform - BSD	EPA-8260	**102**	**4**		50	150	09/03/2020	DLC
Isopropylbenzene - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
Isopropylbenzene - BSD	EPA-8260	**96.3**	**8**		50	150	09/03/2020	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	**99.7**	**4**		50	150	09/03/2020	DLC
1,2,3-Trichloropropane - BS	EPA-8260	**105**			50	150	09/03/2020	DLC
1,2,3-Trichloropropane - BSD	EPA-8260	**98.9**	**6**		50	150	09/03/2020	DLC
Bromobenzene - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
Bromobenzene - BSD	EPA-8260	**97.5**	**7**		50	150	09/03/2020	DLC
N-Propyl Benzene - BS	EPA-8260	**107**			50	150	09/03/2020	DLC
N-Propyl Benzene - BSD	EPA-8260	**96.9**	**10**		50	150	09/03/2020	DLC
2-Chlorotoluene - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
2-Chlorotoluene - BSD	EPA-8260	**95.5**	**9**		50	150	09/03/2020	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	**105**			50	150	09/03/2020	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	**96.9**	**8**		50	150	09/03/2020	DLC
4-Chlorotoluene - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
4-Chlorotoluene - BSD	EPA-8260	**95.7**	**8**		50	150	09/03/2020	DLC
T-Butyl Benzene - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
T-Butyl Benzene - BSD	EPA-8260	**94.8**	**9**		50	150	09/03/2020	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	**104**			50	150	09/03/2020	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	**96.7**	**7**		50	150	09/03/2020	DLC
S-Butyl Benzene - BS	EPA-8260	**107**			50	150	09/03/2020	DLC
S-Butyl Benzene - BSD	EPA-8260	**98.2**	**9**		50	150	09/03/2020	DLC
P-Isopropyltoluene - BS	EPA-8260	**106**			50	150	09/03/2020	DLC
P-Isopropyltoluene - BSD	EPA-8260	**97.4**	**9**		50	150	09/03/2020	DLC
1,3-Dichlorobenzene - BS	EPA-8260	**105**			50	150	09/03/2020	DLC
1,3-Dichlorobenzene - BSD	EPA-8260	**97.8**	**7**		50	150	09/03/2020	DLC
1,4-Dichlorobenzene - BS	EPA-8260	**105**			50	150	09/03/2020	DLC
1,4-Dichlorobenzene - BSD	EPA-8260	**96.7**	**8**		50	150	09/03/2020	DLC
N-Butylbenzene - BS	EPA-8260	**110**			50	150	09/03/2020	DLC

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Rose Bier
CLIENT PROJECT: Sunnyside

DATE: 4/7/2021
ALS SDG#: EV20090019
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
N-Butylbenzene - BSD	EPA-8260	**101**	**8**		50	150	09/03/2020	DLC
1,2-Dichlorobenzene - BS	EPA-8260	**106**			50	150	09/03/2020	DLC
1,2-Dichlorobenzene - BSD	EPA-8260	**98.0**	**7**		50	150	09/03/2020	DLC
1,2-Dibromo 3-Chloropropane - BS	EPA-8260	**106**			50	150	09/03/2020	DLC
1,2-Dibromo 3-Chloropropane - BSD	EPA-8260	**99.0**	**7**		50	150	09/03/2020	DLC
1,2,4-Trichlorobenzene - BS	EPA-8260	**118**			50	150	09/03/2020	DLC
1,2,4-Trichlorobenzene - BSD	EPA-8260	**112**	**5**		50	150	09/03/2020	DLC
Hexachlorobutadiene - BS	EPA-8260	**115**			50	150	09/03/2020	DLC
Hexachlorobutadiene - BSD	EPA-8260	**106**	**8**		50	150	09/03/2020	DLC
Naphthalene - BS	EPA-8260	**103**			50	150	09/03/2020	DLC
Naphthalene - BSD	EPA-8260	**102**	**1**		50	150	09/03/2020	DLC
1,2,3-Trichlorobenzene - BS	EPA-8260	**119**			50	150	09/03/2020	DLC
1,2,3-Trichlorobenzene - BSD	EPA-8260	**113**	**5**		50	150	09/03/2020	DLC

ALS Test Batch ID: R368266 - Water by EPA-300.0

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Nitrate - BS	EPA-300.0	**104**			80	120	09/03/2020	JNF
Nitrate - BSD	EPA-300.0	**103**	**1**		80	120	09/03/2020	JNF

ALS Test Batch ID: R368248 - Soil by EPA-7471

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Mercury - BS	EPA-7471	**107**			81.8	117	09/06/2020	RAL
Mercury - BSD	EPA-7471	**107**	**0**		81.8	117	09/06/2020	RAL

ALS Test Batch ID: R368269 - Water by EPA-245.1

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Mercury - BS	EPA-245.1	**103**			80.6	118	09/06/2020	RAL
Mercury - BSD	EPA-245.1	**104**	**1**		80.6	118	09/06/2020	RAL

ALS Test Batch ID: R368269 - Water by EPA-245.1

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Mercury (Dissolved) - BS	EPA-245.1	**103**			80.6	118	09/06/2020	RAL
Mercury (Dissolved) - BSD	EPA-245.1	**104**	**1**		80.6	118	09/06/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Rose Bier
CLIENT PROJECT: Sunnyside

DATE: 4/7/2021
ALS SDG#: EV20090019
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 157097 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-6020	**97.1**			80	120	09/08/2020	RAL
Arsenic - BSD	EPA-6020	**95.9**	**1**		80	120	09/08/2020	RAL
Barium - BS	EPA-6020	**96.8**			80	120	09/08/2020	RAL
Barium - BSD	EPA-6020	**98.4**	**2**		80	120	09/08/2020	RAL
Cadmium - BS	EPA-6020	**99.9**			80	120	09/08/2020	RAL
Cadmium - BSD	EPA-6020	**99.4**	**0**		80	120	09/08/2020	RAL
Chromium - BS	EPA-6020	**98.9**			80	120	09/08/2020	RAL
Chromium - BSD	EPA-6020	**97.8**	**1**		80	120	09/08/2020	RAL
Lead - BS	EPA-6020	**96.2**			80	120	09/08/2020	RAL
Lead - BSD	EPA-6020	**96.3**	**0**		80	120	09/08/2020	RAL
Selenium - BS	EPA-6020	**97.3**			80	120	09/08/2020	RAL
Selenium - BSD	EPA-6020	**97.5**	**0**		80	120	09/08/2020	RAL
Silver - BS	EPA-6020	**97.6**			80	120	09/08/2020	RAL
Silver - BSD	EPA-6020	**97.1**	**0**		80	120	09/08/2020	RAL

ALS Test Batch ID: 157029 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-200.8	**95.9**			89.1	110	09/03/2020	RAL
Arsenic - BSD	EPA-200.8	**98.4**	**3**		89.1	110	09/03/2020	RAL
Barium - BS	EPA-200.8	**98.6**			88.5	108	09/03/2020	RAL
Barium - BSD	EPA-200.8	**102**	**3**		88.5	108	09/03/2020	RAL
Cadmium - BS	EPA-200.8	**97.5**			89.4	110	09/03/2020	RAL
Cadmium - BSD	EPA-200.8	**101**	**4**		89.4	110	09/03/2020	RAL
Chromium - BS	EPA-200.8	**95.1**			88.3	110.2	09/03/2020	RAL
Chromium - BSD	EPA-200.8	**97.1**	**2**		88.3	110.2	09/03/2020	RAL
Lead - BS	EPA-200.8	**94.7**			87.5	107	09/03/2020	RAL
Lead - BSD	EPA-200.8	**97.1**	**2**		87.5	107	09/03/2020	RAL
Selenium - BS	EPA-200.8	**97.9**			90.2	113	09/03/2020	RAL
Selenium - BSD	EPA-200.8	**101**	**3**		90.2	113	09/03/2020	RAL
Silver - BS	EPA-200.8	**100**			80	120	09/03/2020	RAL
Silver - BSD	EPA-200.8	**105**	**4**		80	120	09/03/2020	RAL

ALS Test Batch ID: 157030 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved) - BS	EPA-200.8	**95.9**			89.1	110	09/03/2020	RAL
Arsenic (Dissolved) - BSD	EPA-200.8	**98.4**	**3**		89.1	110	09/03/2020	RAL
Barium (Dissolved) - BS	EPA-200.8	**98.6**			88.5	108	09/03/2020	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Rose Bier

CLIENT PROJECT: Sunnyside

DATE: 4/7/2021

ALS SDG#: EV20090019

WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Barium (Dissolved) - BSD	EPA-200.8	**102**	**3**		88.5	108	09/03/2020	RAL
Cadmium (Dissolved) - BS	EPA-200.8	**97.5**			89.4	110	09/03/2020	RAL
Cadmium (Dissolved) - BSD	EPA-200.8	**101**	**4**	SR1	89.4	110	09/03/2020	RAL
Chromium (Dissolved) - BS	EPA-200.8	**95.1**			86.2	107	09/03/2020	RAL
Chromium (Dissolved) - BSD	EPA-200.8	**97.1**	**2**		86.2	107	09/03/2020	RAL
Cobalt (Dissolved) - BS	EPA-200.8	**99.4**			85.8	108	09/03/2020	RAL
Cobalt (Dissolved) - BSD	EPA-200.8	**102**	**2**		85.8	108	09/03/2020	RAL
Lead (Dissolved) - BS	EPA-200.8	**94.7**			87.5	107	09/03/2020	RAL
Lead (Dissolved) - BSD	EPA-200.8	**97.1**	**2**	SR1	87.5	107	09/03/2020	RAL
Molybdenum (Dissolved) - BS	EPA-200.8	**95.4**			90.3	113	09/03/2020	RAL
Molybdenum (Dissolved) - BSD	EPA-200.8	**98.9**	**4**	SR1	90.3	113	09/03/2020	RAL
Nickel (Dissolved) - BS	EPA-200.8	**97.7**			85.4	109	09/03/2020	RAL
Nickel (Dissolved) - BSD	EPA-200.8	**100**	**3**		85.4	109	09/03/2020	RAL
Selenium (Dissolved) - BS	EPA-200.8	**97.9**			90.2	113	09/03/2020	RAL
Selenium (Dissolved) - BSD	EPA-200.8	**101**	**3**		90.2	113	09/03/2020	RAL
Silver (Dissolved) - BS	EPA-200.8	**100**			80	120	09/03/2020	RAL
Silver (Dissolved) - BSD	EPA-200.8	**105**	**4**	SR1	80	120	09/03/2020	RAL

SR1 - RPD outside of control limits.

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 9820 | PHONE 425-356-2600 | FAX 425-356-2626
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Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV20090019

Date 9/2/20 Page 1 Of 1

PROJECT ID:	Sunnyside
REPORT TO COMPANY:	GeoSyntec
PROJECT MANAGER:	Rose Bier Luke
ADDRESS:	~~101 N 1st St~~ ~~Sunnyside WA~~
PHONE:	(305) ~~903-4318~~ P.O. #: PNR0696
E-MAIL:	cc: Luke Smith
INVOICE TO COMPANY:	
ATTENTION:	Same as Above
ADDRESS:	

ANALYSIS REQUESTED

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ (Field Filtered)	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify): Nitrates		Total & Dissolved RCRA-8 Metals					NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-090220-MW-1	9/2/20	1101	GW	1													X			X							2	
2. GW-090220-MW-2	9/2/20	0932	GW	2													X			X							2	
3. GW-090220-MW-3	9/2/20	1039	GW	3													X			X							2	
4. GW-090220-MW-4	9/2/20	1002	GW	4													X			X							2	
5. GW-090220-DUP-1	9/2/20	1200	GW	5													X			X							2	
6. IDW-Soil-090220	9/2/20	1120	~~GW~~ S	6		X	X				X											X					4	
7. IDW-Water-090220	9/2/20	1110	GW	7		X	X				X											X					8	
8.																												
9.																												
10.																												

SPECIAL INSTRUCTIONS 9/10/20 - Rose added Co, Mo, Ni to #1, 2, 3 & 4. SM

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Blaine Tech 9/2/20
   Received By: ALS 9/2/20 3:40
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: [10] Standard [5] [3] [2] [1] [SAME DAY]

Fuels & Hydrocarbon Analysis: [5] Standard [3] [1] [SAME DAY]

OTHER:

Specify:

*Turnaround request less than standard may incur Rush Charges

February 19, 2021

Ms. Rose Bier
Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

Dear Ms. Bier,

On December 9th, 5 samples were received by our laboratory and assigned our laboratory project number EV20120064. The project was identified as your Sunnyside. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	2/19/2021 EV20120064 EV20120064-01
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	12/09/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	12/9/2020 12:03:00 PM
CLIENT SAMPLE ID	GW-120920-MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**19**	0.34	10	MG/L	12/10/2020	RAL
Arsenic	EPA-200.8	**10**	1.0	1	UG/L	12/15/2020	RAL
Cobalt	EPA-200.8	U	1.0	1	UG/L	12/15/2020	RAL
Molybdenum	EPA-200.8	**29**	1.0	1	UG/L	12/15/2020	RAL
Nickel	EPA-200.8	U	2.0	1	UG/L	12/15/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**10**	1.0	1	UG/L	12/15/2020	RAL
Cobalt (Dissolved)	EPA-200.8	U	1.0	1	UG/L	12/15/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**28**	1.0	1	UG/L	12/15/2020	RAL
Nickel (Dissolved)	EPA-200.8	U	2.0	1	UG/L	12/15/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	2/19/2021
		ALS JOB#:	EV20120064
		ALS SAMPLE#:	EV20120064-02
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	12/09/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	12/9/2020 10:15:00 AM
CLIENT SAMPLE ID	GW-120920-MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**89**	1.4	40	MG/L	12/10/2020	RAL
Arsenic	EPA-200.8	**130**	1.0	1	UG/L	12/15/2020	RAL
Cobalt	EPA-200.8	**7.5**	1.0	1	UG/L	12/15/2020	RAL
Molybdenum	EPA-200.8	**28**	1.0	1	UG/L	12/15/2020	RAL
Nickel	EPA-200.8	**76**	2.0	1	UG/L	12/15/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**130**	1.0	1	UG/L	12/15/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**7.0**	1.0	1	UG/L	12/15/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**28**	1.0	1	UG/L	12/15/2020	RAL
Nickel (Dissolved)	EPA-200.8	**74**	2.0	1	UG/L	12/15/2020	RAL

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	2/19/2021 EV20120064 EV20120064-03
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	12/09/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	12/9/2020 11:30:00 AM
CLIENT SAMPLE ID	GW-120920-MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**22**	0.34	10	MG/L	12/10/2020	RAL
Arsenic	EPA-200.8	**81**	1.0	1	UG/L	12/15/2020	RAL
Cobalt	EPA-200.8	U	1.0	1	UG/L	12/15/2020	RAL
Molybdenum	EPA-200.8	**40**	1.0	1	UG/L	12/15/2020	RAL
Nickel	EPA-200.8	**2.1**	2.0	1	UG/L	12/15/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**80**	1.0	1	UG/L	12/15/2020	RAL
Cobalt (Dissolved)	EPA-200.8	U	1.0	1	UG/L	12/15/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**41**	1.0	1	UG/L	12/15/2020	RAL
Nickel (Dissolved)	EPA-200.8	**2.1**	2.0	1	UG/L	12/15/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	2/19/2021
		ALS JOB#:	EV20120064
		ALS SAMPLE#:	EV20120064-04
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	12/09/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	12/9/2020 10:51:00 AM
CLIENT SAMPLE ID	GW-120920-MW-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**160**	3.4	100	MG/L	12/10/2020	RAL
Arsenic	EPA-200.8	**68**	1.0	1	UG/L	12/15/2020	RAL
Cobalt	EPA-200.8	**15**	1.0	1	UG/L	12/15/2020	RAL
Molybdenum	EPA-200.8	**120**	1.0	1	UG/L	12/15/2020	RAL
Nickel	EPA-200.8	**66**	2.0	1	UG/L	12/15/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**66**	1.0	1	UG/L	12/15/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**15**	1.0	1	UG/L	12/15/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**120**	1.0	1	UG/L	12/15/2020	RAL
Nickel (Dissolved)	EPA-200.8	**66**	2.0	1	UG/L	12/15/2020	RAL

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	2/19/2021 EV20120064 EV20120064-05
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	12/09/2020
CLIENT PROJECT:	Sunnyside	COLLECTION DATE:	12/9/2020 11:01:00 AM
CLIENT SAMPLE ID	GW-120920-DUP-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**160**	3.4	100	MG/L	12/10/2020	RAL
Arsenic	EPA-200.8	**67**	1.0	1	UG/L	12/15/2020	RAL
Cobalt	EPA-200.8	**15**	1.0	1	UG/L	12/15/2020	RAL
Molybdenum	EPA-200.8	**120**	1.0	1	UG/L	12/15/2020	RAL
Nickel	EPA-200.8	**64**	2.0	1	UG/L	12/15/2020	RAL
Arsenic (Dissolved)	EPA-200.8	**65**	1.0	1	UG/L	12/15/2020	RAL
Cobalt (Dissolved)	EPA-200.8	**15**	1.0	1	UG/L	12/15/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	**120**	1.0	1	UG/L	12/15/2020	RAL
Nickel (Dissolved)	EPA-200.8	**62**	2.0	1	UG/L	12/15/2020	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	2/19/2021
		ALS SDG#:	EV20120064
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Rose Bier		
CLIENT PROJECT:	Sunnyside		

LABORATORY BLANK RESULTS

MBLK-R375040 - Batch R375040 - Water by EPA-300.0

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	U	MG/L	0.034	12/10/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-121120W - Batch 160654 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	12/15/2020	RAL
Cobalt	EPA-200.8	U	UG/L	1.0	12/15/2020	RAL
Molybdenum	EPA-200.8	U	UG/L	1.0	12/15/2020	RAL
Nickel	EPA-200.8	U	UG/L	2.0	12/15/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-121120W - Batch 160656 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved)	EPA-200.8	U	UG/L	1.0	12/15/2020	RAL
Cobalt (Dissolved)	EPA-200.8	U	UG/L	1.0	12/15/2020	RAL
Molybdenum (Dissolved)	EPA-200.8	U	UG/L	1.0	12/15/2020	RAL
Nickel (Dissolved)	EPA-200.8	U	UG/L	2.0	12/15/2020	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

CLIENT CONTACT: Rose Bier

CLIENT PROJECT: Sunnyside

DATE: 2/19/2021

ALS SDG#: EV20120064

WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R375040 - Water by EPA-300.0

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Nitrate as N - BS	EPA-300.0	**97.0**			80	120	12/10/2020	RAL
Nitrate as N - BSD	EPA-300.0	**99.0**	**2**		80	120	12/10/2020	RAL

ALS Test Batch ID: 160654 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-200.8	**93.6**			89.1	110	12/15/2020	RAL
Arsenic - BSD	EPA-200.8	**93.2**	**0**		89.1	110	12/15/2020	RAL
Cobalt - BS	EPA-200.8	**100**			85.8	108	12/15/2020	RAL
Cobalt - BSD	EPA-200.8	**98.9**	**1**		85.8	108	12/15/2020	RAL
Molybdenum - BS	EPA-200.8	**96.0**			90.3	113	12/15/2020	RAL
Molybdenum - BSD	EPA-200.8	**96.3**	**0**		90.3	113	12/15/2020	RAL
Nickel - BS	EPA-200.8	**96.9**			85.4	109	12/15/2020	RAL
Nickel - BSD	EPA-200.8	**94.6**	**2**		85.4	109	12/15/2020	RAL

ALS Test Batch ID: 160656 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved) - BS	EPA-200.8	**93.6**			89.1	110	12/15/2020	RAL
Arsenic (Dissolved) - BSD	EPA-200.8	**93.2**	**0**		89.1	110	12/15/2020	RAL
Cobalt (Dissolved) - BS	EPA-200.8	**100**			85.8	108	12/15/2020	RAL
Cobalt (Dissolved) - BSD	EPA-200.8	**98.9**	**1**		85.8	108	12/15/2020	RAL
Molybdenum (Dissolved) - BS	EPA-200.8	**96.0**			90.3	113	12/15/2020	RAL
Molybdenum (Dissolved) - BSD	EPA-200.8	**96.3**	**0**		90.3	113	12/15/2020	RAL
Nickel (Dissolved) - BS	EPA-200.8	**96.9**			85.4	109	12/15/2020	RAL
Nickel (Dissolved) - BSD	EPA-200.8	**94.6**	**2**		85.4	109	12/15/2020	RAL

APPROVED BY

Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV2012064

Date 12/9/20 Page 1 Of 1

PROJECT ID: Sunnyside
REPORT TO COMPANY: Geosyntec
PROJECT MANAGER: Rose Bier
ADDRESS: 101 N 1st St 520 Pike St. Sunnyside, WA
PHONE: (305) 903-4318 P.O. #: PNR0696
E-MAIL: RBier@geosyntec.com
INVOICE TO COMPANY:
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	OTHER (Specify): Nitrate as Nitrogen	OTHER (Specify): Total Metals (As, Co, Mo)	OTHER (Specify): Dissolved Metals (As, Co, Mo) Field Filtered	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-120920-MW-1	12/9/20	1203	GW	1															X	X	X	3	
2. GW-120920-MW-2	12/9/20	1015	GW	2															X	X	X	3	
3. GW-120920-MW-3	12/9/20	1130	GW	3															X	X	X	3	
*4. GW-120920-MW-4	12/9/20	1051	GW	4															X	X	X	3	
*5. GW-120920-DUP-1	12/9/20	~~1200~~ 1101	~~GW~~ 12/9	5															X	X	X	3	
6.																							
7.																							
8.																							
9.																							
10.																							

SPECIAL INSTRUCTIONS: Nickel added to Report 2/19/2021 -SMH #4 needs filtering

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: BTS 12/9/20 1600
   Received By: ALS 12/9/20 1600
2. Relinquished By:
   Received By:

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: (10 Standard) 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis: (5 Standard) 3 1 SAME DAY

OTHER: Specify:

*Turnaround request less than standard may incur Rush Charges

March 11, 2021

Ms. Rose Bier
Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101

Dear Ms. Bier,

On March 4th, 5 samples were received by our laboratory and assigned our laboratory project number EV21030027. The project was identified as your Sunnyside, WA. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Glen Perry
Laboratory Director

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
ALS Group USA, Corp dba ALS Environmental

ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	3/11/2021 EV21030027 EV21030027-01
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	03/04/2021
CLIENT PROJECT:	Sunnyside, WA	COLLECTION DATE:	3/3/2021 11:15:00 AM
CLIENT SAMPLE ID	GW-030321-MW-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**20**	0.69	20	MG/L	03/04/2021	EBS
Arsenic	EPA-200.8	**8.9**	1.0	1	UG/L	03/08/2021	RAL
Cobalt	EPA-200.8	U	1.0	1	UG/L	03/08/2021	RAL
Molybdenum	EPA-200.8	**23**	1.0	1	UG/L	03/08/2021	RAL
Nickel	EPA-200.8	U	2.0	1	UG/L	03/08/2021	RAL
Arsenic (Dissolved)	EPA-200.8	**8.8**	1.0	1	UG/L	03/08/2021	RAL
Cobalt (Dissolved)	EPA-200.8	U	1.0	1	UG/L	03/08/2021	RAL
Molybdenum (Dissolved)	EPA-200.8	**23**	1.0	1	UG/L	03/08/2021	RAL
Nickel (Dissolved)	EPA-200.8	U	2.0	1	UG/L	03/08/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	3/11/2021
		ALS JOB#:	EV21030027
		ALS SAMPLE#:	EV21030027-02
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	03/04/2021
CLIENT PROJECT:	Sunnyside, WA	COLLECTION DATE:	3/3/2021 10:39:00 AM
CLIENT SAMPLE ID	GW-030321-MW-2	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**98**	1.7	50	MG/L	03/04/2021	EBS
Arsenic	EPA-200.8	**110**	1.0	1	UG/L	03/08/2021	RAL
Cobalt	EPA-200.8	**10**	1.0	1	UG/L	03/08/2021	RAL
Molybdenum	EPA-200.8	**41**	1.0	1	UG/L	03/08/2021	RAL
Nickel	EPA-200.8	**81**	2.0	1	UG/L	03/08/2021	RAL
Arsenic (Dissolved)	EPA-200.8	**110**	1.0	1	UG/L	03/08/2021	RAL
Cobalt (Dissolved)	EPA-200.8	**9.7**	1.0	1	UG/L	03/08/2021	RAL
Molybdenum (Dissolved)	EPA-200.8	**39**	1.0	1	UG/L	03/08/2021	RAL
Nickel (Dissolved)	EPA-200.8	**81**	2.0	1	UG/L	03/08/2021	RAL

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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	3/11/2021 EV21030027 EV21030027-03
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	03/04/2021
CLIENT PROJECT:	Sunnyside, WA	COLLECTION DATE:	3/3/2021 12:21:00 PM
CLIENT SAMPLE ID	GW-030321-MW-3	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**23**	0.34	10	MG/L	03/04/2021	EBS
Arsenic	EPA-200.8	**85**	1.0	1	UG/L	03/08/2021	RAL
Cobalt	EPA-200.8	U	1.0	1	UG/L	03/08/2021	RAL
Molybdenum	EPA-200.8	**36**	1.0	1	UG/L	03/08/2021	RAL
Nickel	EPA-200.8	U	2.0	1	UG/L	03/08/2021	RAL
Arsenic (Dissolved)	EPA-200.8	**87**	1.0	1	UG/L	03/08/2021	RAL
Cobalt (Dissolved)	EPA-200.8	U	1.0	1	UG/L	03/08/2021	RAL
Molybdenum (Dissolved)	EPA-200.8	**41**	1.0	1	UG/L	03/08/2021	RAL
Nickel (Dissolved)	EPA-200.8	**2.0**	2.0	1	UG/L	03/08/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	3/11/2021 EV21030027 EV21030027-04
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	03/04/2021
CLIENT PROJECT:	Sunnyside, WA	COLLECTION DATE:	3/3/2021 11:42:00 AM
CLIENT SAMPLE ID	GW-030321-MW-4	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**160**	3.4	100	MG/L	03/04/2021	EBS
Arsenic	EPA-200.8	**67**	1.0	1	UG/L	03/08/2021	RAL
Cobalt	EPA-200.8	**18**	1.0	1	UG/L	03/08/2021	RAL
Molybdenum	EPA-200.8	**130**	1.0	1	UG/L	03/08/2021	RAL
Nickel	EPA-200.8	**69**	2.0	1	UG/L	03/08/2021	RAL
Arsenic (Dissolved)	EPA-200.8	**69**	1.0	1	UG/L	03/08/2021	RAL
Cobalt (Dissolved)	EPA-200.8	**18**	1.0	1	UG/L	03/08/2021	RAL
Molybdenum (Dissolved)	EPA-200.8	**130**	1.0	1	UG/L	03/08/2021	RAL
Nickel (Dissolved)	EPA-200.8	**70**	2.0	1	UG/L	03/08/2021	RAL

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ALS Group USA, Corp dba ALS Environmental

CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE: ALS JOB#: ALS SAMPLE#:	3/11/2021 EV21030027 EV21030027-05
CLIENT CONTACT:	Rose Bier	DATE RECEIVED:	03/04/2021
CLIENT PROJECT:	Sunnyside, WA	COLLECTION DATE:	3/3/2021 12:00:00 PM
CLIENT SAMPLE ID	GW-030321-Dup-1	WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	**97**	1.7	50	MG/L	03/04/2021	EBS
Arsenic	EPA-200.8	**110**	1.0	1	UG/L	03/08/2021	RAL
Cobalt	EPA-200.8	**9.7**	1.0	1	UG/L	03/08/2021	RAL
Molybdenum	EPA-200.8	**39**	1.0	1	UG/L	03/08/2021	RAL
Nickel	EPA-200.8	**82**	2.0	1	UG/L	03/08/2021	RAL
Arsenic (Dissolved)	EPA-200.8	**110**	1.0	1	UG/L	03/08/2021	RAL
Cobalt (Dissolved)	EPA-200.8	**10**	1.0	1	UG/L	03/08/2021	RAL
Molybdenum (Dissolved)	EPA-200.8	**41**	1.0	1	UG/L	03/08/2021	RAL
Nickel (Dissolved)	EPA-200.8	**83**	2.0	1	UG/L	03/08/2021	RAL

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626
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CERTIFICATE OF ANALYSIS

CLIENT:	Geosyntec Consultants 520 Pike St, Suite 2600 Seattle, WA 98101	DATE:	3/11/2021
		ALS SDG#:	EV21030027
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Rose Bier		
CLIENT PROJECT:	Sunnyside, WA		

LABORATORY BLANK RESULTS

MBLK-R379480 - Batch R379480 - Water by EPA-300.0

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Nitrate as N	EPA-300.0	U	MG/L	0.034	03/04/2021	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MB-030521W - Batch 163280 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	03/08/2021	RAL
Cobalt	EPA-200.8	U	UG/L	1.0	03/08/2021	RAL
Molybdenum	EPA-200.8	U	UG/L	1.0	03/08/2021	RAL
Nickel	EPA-200.8	U	UG/L	2.0	03/08/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB-030521W - Batch 163290 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved)	EPA-200.8	U	UG/L	1.0	03/08/2021	RAL
Cobalt (Dissolved)	EPA-200.8	U	UG/L	1.0	03/08/2021	RAL
Molybdenum (Dissolved)	EPA-200.8	U	UG/L	1.0	03/08/2021	RAL
Nickel (Dissolved)	EPA-200.8	U	UG/L	2.0	03/08/2021	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

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CERTIFICATE OF ANALYSIS

CLIENT: Geosyntec Consultants
520 Pike St, Suite 2600
Seattle, WA 98101
CLIENT CONTACT: Rose Bier
CLIENT PROJECT: Sunnyside, WA

DATE: 3/11/2021
ALS SDG#: EV21030027
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R379480 - Water by EPA-300.0

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Nitrate as N - BS	EPA-300.0	**102**			80	120	03/04/2021	EBS
Nitrate as N - BSD	EPA-300.0	**104**	**2**		80	120	03/04/2021	EBS

ALS Test Batch ID: 163280 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic - BS	EPA-200.8	**95.9**			89.1	110	03/08/2021	RAL
Arsenic - BSD	EPA-200.8	**96.2**	**0**		89.1	110	03/08/2021	RAL
Cobalt - BS	EPA-200.8	**101**			85.8	108	03/08/2021	RAL
Cobalt - BSD	EPA-200.8	**101**	**0**		85.8	108	03/08/2021	RAL
Molybdenum - BS	EPA-200.8	**96.4**			90.3	113	03/08/2021	RAL
Molybdenum - BSD	EPA-200.8	**96.7**	**0**		90.3	113	03/08/2021	RAL
Nickel - BS	EPA-200.8	**94.7**			85.4	109	03/08/2021	RAL
Nickel - BSD	EPA-200.8	**94.9**	**0**		85.4	109	03/08/2021	RAL

ALS Test Batch ID: 163290 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS MIN	LIMITS MAX	ANALYSIS DATE	ANALYSIS BY
Arsenic (Dissolved) - BS	EPA-200.8	**95.9**			89.1	110	03/08/2021	RAL
Arsenic (Dissolved) - BSD	EPA-200.8	**96.2**	**0**		89.1	110	03/08/2021	RAL
Cobalt (Dissolved) - BS	EPA-200.8	**101**			85.8	108	03/08/2021	RAL
Cobalt (Dissolved) - BSD	EPA-200.8	**101**	**0**		85.8	108	03/08/2021	RAL
Molybdenum (Dissolved) - BS	EPA-200.8	**96.4**			90.3	113	03/08/2021	RAL
Molybdenum (Dissolved) - BSD	EPA-200.8	**96.7**	**0**		90.3	113	03/08/2021	RAL
Nickel (Dissolved) - BS	EPA-200.8	**94.7**			85.4	109	03/08/2021	RAL
Nickel (Dissolved) - BSD	EPA-200.8	**94.9**	**0**		85.4	109	03/08/2021	RAL

APPROVED BY

Laboratory Director

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http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only): EV21030027

Date 3/3/21 Page 1 Of 1

PROJECT ID: Sunnyside, WA
REPORT TO COMPANY: Geosyntec
PROJECT MANAGER: Rose Bier
ADDRESS: 101 N 1ST St
, SUNNYSIDE, WA
PHONE: (305) 903-4318 P.O. #:
E-MAIL:
INVOICE TO COMPANY: GEOSYNTEC
ATTENTION:
ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE (W)	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021 ☐ BTEX by EPA 8260 ☐	MTBE by EPA 8021 ☐ MTBE by EPA 8260 ☐	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 ☐ Pesticides by EPA 8081 ☐	Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	Nitrate as Nitrogen	Total Metals (As, Co, Mo, Ni)	Diss. Metals (As, Co, Mo, Ni) (FF)					NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. GW-030321-MW-1	3/3/21	1115	G	1															X	X	X					3	
2. GW-030321-MW-2	3/3/21	1039	G	2															X	X	X					3	
3. GW-030321-MW-3	3/3/21	1221	G	3															X	X	X					3	
4. GW-030321-MW-4	3/3/21	1142	G	4															X	X	X					3	
5. GW-030321-Dup-1	3/3/21	1200	G	5															X	X	X					3	
6.																											
7.																											
8.																											
9.																											
10.																											

SPECIAL INSTRUCTIONS: Filtered metals samples have been Field-filtered—SMH

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Adam High 3/4/21 0655 Adam High
   Received By: [illegible] 3/4/21 0655
2. Relinquished By: [illegible] 3/4/21 0835
   Received By: [illegible] ALS 3/4/2021 0805

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis: (10 Standard) 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard 3 1 SAME DAY

OTHER: Specify: _____

*Turnaround request less than standard may incur Rush Charges