PACIFIC CREST ENVIRONMENTAL
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December 2, 2022

Mr. David Anderson
Cleanup Manager
Oregon Department of Environmental Quality
475 NE Bellevue Drive #110
Bend, Oregon 97701

RE: CONDITIONAL CLOSURE REPORT AND PARTIAL NO FURTHER ACTION REQUEST
GARY'S CANNON BEACH SERVICE CENTER
280 NORTH HEMLOCK STREET
CANNON BEACH, OREGON 98117
LUST 04-07-1597
PACIFIC CREST PROJECT NO. 173-002

Dear Mr. Anderson:

This letter transmits the Conditional Closure Report (Report) and Partial No Further Action (NFA) Request for the cleanup of a leaking underground storage tank (LUST) at Gary's Cannon Beach Service Center, Inc. (Gary's Property). The LUST release affected portions of the following properties:

- Gary's Property located at 280 North Hemlock Street, Cannon Beach
- Webb's Scenic Surf Motel located at 255 North Larch Street, Cannon Beach (Webb's Motel Property)
- Christian Conference Center Property located at 288 North Spruce Street (Conference Center Property).

At this time, a Partial NFA is requested for Gary's Property and Webb's Motel Property based on attainment of the remedial action objectives approved by the Oregon Department of Environmental Quality (DEQ) in the *Final Draft Corrective Action Plan* (CAP) dated November 14, 2016 and the *Revised Amendment to the Corrective Action Plan* (ACAP) dated September 25, 2020.

Although we acknowledge that Partial NFAs may not be typical, we respectfully request that a Partial NFA be issued in this case because of the exigent circumstances facing Gary's Property and Webb's Motel Property. Gary's Cannon Beach Service Center, the auto repair business located on Gary's Property, will soon close due to family health issues and business impacts associated with the pandemic. Gary's Property is set to be sold to the owner of Webb's Motel Property; however, the sale cannot go forward without receipt of a Partial NFA. If the Partial NFAs are issued, the owner of Webb's Motel Property will be able to obtain the necessary financing to

purchase Gary's Property and to undertake improvements of the deteriorated seawall on the Webb's Motel Property, which, in the interest of safety and functionality, needs to be rebuilt as soon as possible.

To be clear, obtaining a Partial NFA at this stage would in no way interfere with the planned future corrective action activities at the Site, as discussed in the enclosed report. Further cleanup activities will be conducted on the Conference Center Property as necessary to attain the objectives for full Site closure, including further active cleanup through in-situ chemical oxidation injection and compliance groundwater monitoring.

We appreciate your consideration on this matter. Please feel free to contact me at (425) 363-2390 if you have any questions or comments regarding the information provided herein.

Sincerely,

PACIFIC CREST ENVIRONMENTAL, LLC

Lauren G. Carroll, R.G.
Principal Hydrogeologist

Attachment: Conditional Closure Report, dated December 2, 2022

PACIFIC CREST ENVIRONMENTAL
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CONDITIONAL CLOSURE REPORT

GARY'S CANNON BEACH SERVICE CENTER
280 NORTH HEMLOCK STREET
CANNON BEACH, OREGON
UST FACILITY ID: 319
LUST NO. 04-07-1597

Submitted by:
Pacific Crest Environmental, LLC
1531 Bendigo Boulevard North
North Bend, WA 98045
Pacific Crest PN: 173-002

For:
Mr. David Anderson, Project Manager
Oregon Department of Environmental Quality
475 NE Bellevue Drive #110
Bend, Oregon 97701

Prepared by:

Joel Harrington
Project Geologist

Reviewed by:

Lauren Carroll, R.G.
Principal Hydrogeologist

REGISTERED PROFESSIONAL OREGON LAUREN CARROLL G1444 GEOLOGIST

December 2, 2022

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1.0 INTRODUCTION

This Conditional Closure Report (Report) documents the fulfillment of certain corrective action activities undertaken for the cleanup of a leaking underground storage tank (LUST) at Gary's Cannon Beach Service Center, Inc. ("the Site"), and includes a request for a Partial No Further Action (NFA) Opinion for two of three properties affected by the release. The corrective action activities were conducted in accordance with the Oregon Department of Environmental Quality (DEQ) *Final Draft Corrective Action Plan* (CAP) dated November 14, 2016 and the *Revised Amendment to the Corrective Action Plan* (ACAP) dated September 25, 2020.[1] A Site Location Map and Site Plan are provided as Figures 1 and 2, respectively.

The LUST release affected portions of the following properties:

- Gary's Cannon Beach Service Center Property located at 280 North Hemlock Street (Gary's Property)
- Webb's Scenic Surf Motel located at 255 North Larch Street (Webb's Motel Property)
- Christian Conference Center Property located at 288 North Spruce Street (Conference Center Property).

A Partial NFA is requested for Gary's Property and Webb's Motel Property at this time based on attainment of the remedial action objectives (RAOs) for risk-based closure in accordance with the DEQ's *Cleanup Rules for Leaking Petroleum UST Systems* (OAR 340-122-0205 through 340-122-0360). The Partial NFA request for Gary's Property and Webb's Motel Property carries a sense of urgency, as the Partial NFA opinions are necessary for the owner of the Webb's Motel Property to be able to obtain the necessary financing to purchase and redevelop Gary's Property and to undertake improvements of the deteriorated seawall on the Webb's Motel Property. As discussed herein, further corrective action activities will continue to be conducted at the Conference Center Property until the RAOs have been attained throughout the Site.

1.1 OBJECTIVE

The objective of this Report is to document Site conditions sufficient for DEQ to conclude that the Gary's Property and Webb's Motel Property meet the requirements for obtaining an NFA determination, in accordance with the *Cleanup Rules for Leaking Petroleum UST Systems* (OAR 340-122-0205 through 340-122-0360).

1.2 REPORT ORGANIZATION

This Report is organized as follows to include the elements of the closure report as described in the CAP:

[1]The *Final Draft CAP* was approved by the Oregon Department of Environmental Quality (DEQ) in correspondence dated January 13, 2017. The ACAP was approved by the DEQ in the *DEQ Response to Corrective Action Plan Proposed Amendments*, dated October 20, 2020 (DEQ 2020).

Section 2.0 – Site Description: This section provides relevant historical information for the properties affected by the release and an overview of the physiographic conditions.

Section 3.0 – Site Background: This section provides a chronological overview of the investigation and cleanup activities conducted at the Site.

Section 4.0 – Confirmation Groundwater Monitoring: This section provides a summary of the four most recent quarters of groundwater monitoring data in Site monitoring wells.

Section 5.0 – Institutional Controls: This section documents institutional controls for the properties.

Section 6.0 – Closure Request: This section provides documentation that the Gary's Property and Webb's Motel Property meet the requirements outlined in the CAP for obtaining a Partial NFA Opinion from DEQ.

2.0 SITE DESCRIPTION AND NATURAL CONDITIONS

This section provides an overview of the relevant historical property information and physiographic conditions.

2.1 SITE DESCRIPTION

The Site includes portions of Gary's Property, Webb's Motel Property, and the Conference Center Property (Figure 2). The Site includes areas zoned as both Limited Commercial (C1) (Gary's Property) and Residential Motel (RM) (Webb's Motel and the Conference Center). Each of the three properties that comprise the Site are described below.

2.1.1 Gary's Property

Gary's Property is located at 280 North Hemlock Street, and is located on Tax Lot 1602 of Clatsop County Assessor's Map No. 5.10.19DD. Gary's Property is owned by Adairlyn J. Moon, Trustee of the G. and A. Moon Trust. The legal description of Gary's Property is: SEAL ROCK BEACH LT 3, 4 BLK 42. The dimensions of Gary's Property are approximately 100 feet by 100 feet (0.23 acres).

Gary's Cannon Beach Service Center, an auto repair and towing company, operated on Gary's Property within a single story slab-on-grade, 3,077-square-foot building, from the mid-1950's through late 2022. Operations on Gary's Property included retail gasoline sales until 2007, when the USTs were decommissioned. The historical features are illustrated on Figure 3.

Gary's Property is separated from the west- and north-adjacent properties by approximately 4-foot high concrete retaining walls. A 10-foot easement owned by Gary's Cannon Beach Service Center is located to the west of the retaining wall that separates Gary's Property from the west-adjacent property.

Gary's Property is bounded to the west by Webb's Motel; to the north by an asphalt parking area and the Conference Center; to the east by North Hemlock Street; and to the south by retail shops. Ecola Creek and the beach are located to the west, beyond Webb's Motel and the Conference Center. A historical gasoline service station, Les Ordway Chevron Station, was formerly located to the northeast of the Site, at the corner of North Hemlock Street and 3rd Street.

2.1.2 Webb's Motel Property

Webb's Motel is located at 255 North Larch and is located on Tax Lots 1600, 1601, and 2600 of Clatsop County Assessor's Map No. 5.10.19DD. The Webb's Motel Property includes four, two-story buildings that are used for motel lodging, a gravel parking area, and grass lawn. The building located on Tax Lot 2600, which is approximately 60 feet to the southeast of Gary's Property, is occupied by the property owner as a permanent residence. Webb's Motel is bounded to the west by a 10-foot high wooden seawall, which extends approximately three feet below ground surface (bgs). This seawall is constructed of timber piles spaced approximately three feet apart, interspaced by wooden planks. The seawall on the Webb's Motel Property joins

up with the Conference Center seawall to the north to form a single line of protection from the ocean to the west. Remnants of a second, older wooden seawall are present approximately eight feet to the east. The Webb's Motel Property has been built up with fill between the seawall area and the retaining wall located to the east to an elevation of approximately four feet above the grade of Gary's Property. Webb's Motel utilizes Gary's Cannon Beach Service Center's 10-foot easement to the west of the retaining wall for parking purposes.

2.1.3 Conference Center Property

The Conference Center is located at 288 North Hemlock Street on Tax Lots 1500 and 2700 of Clatsop County Assessor's Map No. 5.10.19DD. The Conference Center Property consists of one 11,200 square-foot, two-story building that is used for motel lodging; an asphalt parking area; and grass lawn. The Conference Center is bounded to the west by an approximately 15-foot high concrete seawall that sits on a concrete footing and is attached to an older, wooden seawall composed of driven timber piles and wooden lagging (GeoEngineers 1998). In 1998, the seawall, which extends along the entire length of the Conference Center Property's western boundary for a total length of approximately 105 feet was reinforced along the seaward base of the concrete footing by tying steel sheet piles into the existing concrete infrastructure. The depths of the sheet piles range from 6 to 20 feet bgs.

The portion of the Conference Center Property located within Tax Lot 1500 corresponds with the former location of a historical saltwater natatorium (i.e., indoor swimming pool). According to the Cannon Beach History Center and Museum, the 30-foot by 60-foot concrete swimming pool was constructed in 1924 and was supplied with saltwater via a pipeline connected to Ecola Creek (formerly Elk Creek). Upon closure of the natatorium, the walls of the swimming pool were demolished, but the concrete bottom was left in place. While the precise location of the former swimming pool could not be ascertained during the SI, it generally was located on the southern portion of Tax Lot 1500.

2.2 NATURAL CONDITIONS

2.2.1 Physiographic Setting

The Site is situated between the Pacific Ocean and the Oregon Coast Range in downtown Cannon Beach. The overall topography of the area slopes gently to the west, toward Ecola Creek and the Pacific Ocean which are located approximately 300 and 900 feet west of the former UST area of Gary's Property, respectively. The surface elevation of Gary's Property is approximately 13 feet above mean sea level (amsl). The surface elevation of Webb's Motel (including the 10-foot easement) is approximately 17 feet amsl. The surface elevation of the Conference Center slopes from the west at approximately 17 feet amsl to the east at approximately 13 feet amsl.

2.2.2 Regional Geology

The Oregon Coast is part of a tectonic subduction zone in which the oceanic crust from the Plate of Juan de Fuca is subducting beneath the continental crust of the North American Plate. The regional geology in the vicinity of the Site consists primarily of interbedded Holocene Era

sands, gravels, and silts as alluvial fan deposits from meandering historical tributaries, such as Ecola Creek. Other regional deposits include talus and slope wash, as well as thin peat beds. Alluvial deposits in the region are present in the vicinity of streams in the major regional river valleys and typically contain abundant organic matter (USGS 2013).

2.2.3 Hydrogeologic Setting

Shallow groundwater at the Site is located within an unconfined water-bearing zone consisting of homogeneous, poorly graded sands. The depth to shallow groundwater at the Site has been observed to fluctuate between approximately 3 and 8 feet bgs on Gary's Property; 7 and 12 feet bgs on Webb's Motel Property; and 6 and 12 feet bgs on the Conference Center Property. A tidal study conducted at the Site in 2012 did not indicate a tidal influence on groundwater characteristics (C&A, 2012a). The direction of groundwater flow beneath the Site is typically to the west, under a hydraulic gradient of approximately 0.005 feet per foot (ft/ft). However, groundwater flow direction and hydraulic gradient can temporarily change due to storm surges. The hydraulic conductivity of the shallow aquifer is estimated to be between $1x10^{-3}$ to $1x10^{-4}$ centimeters per second (cm/sec) (Freeze and Cherry, 1979).

The nearest surface water to the Site is Ecola Creek. In the vicinity of the Site, Ecola Creek can be either a gaining stream or a losing stream, based on tidal influence, ocean storm surges, and the quantity of flow from uplands to the east. Because the groundwater table is unconfined, shallow groundwater and surface water interface at Ecola Creek. Ecola Creek would receive groundwater during periods when it is a gaining stream.

3.0 SITE BACKGROUND

3.1 SITE HISTORY

This section provides a chronological overview of the historical investigation and cleanup activities conducted at the Site.

- **UST Removal and Soil Excavation -** On October 15 and 16, 2007, one 2,000-gallon capacity UST, two 4,000-gallon capacity USTs, and one 6,000-gallon capacity UST, located on Gary's Property, were decommissioned by excavation and removal (K&S Environmental, Inc., 2007). During the UST removal, groundwater was encountered in the excavation at a depth of approximately 8 to 9 feet bgs, and a petroleum sheen was noted on groundwater in the open excavation. Laboratory analysis of soil and groundwater samples collected from the excavation detected total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) at concentrations of up to 44,200 milligrams per kilogram (mg/kg) and 229,000 micrograms per liter (µg/L), respectively. Approximately 252 tons of petroleum-contaminated soil were excavated and removed from the northwest corner of Gary's Property. Excavation of the full extent of soil contamination was determined to be infeasible without jeopardizing the integrity of adjacent structures.
- **Site Investigation and Feasibility Study -** Between 2007 and 2014, site investigation (SI) and feasibility study (FS) activities were conducted to assess the nature and extent of contaminants of potential concern[2] (COPCs), and to assess potentially feasible remediation technologies. The SI and FS activities and results were documented in Pacific Crest's *Site Investigation Report* (SI Report), dated October 27, 2014 (Pacific Crest 2014).
- **Cleanup Action Plan -** In November 2016, Pacific Crest submitted a CAP for approval for a cleanup using in situ chemical oxidation (ISCO) to breakdown petroleum hydrocarbons in soil and groundwater.
    - The Site COCs were selected based on potential complete exposure routes to construction and excavation workers, as outlined in the DEQ-approved Conceptual Site Model (CSM). The final COCs selected for the Site include: GRO for soil; and GRO, BTEX, naphthalene, and 1,2,4-trimethylbenzene for groundwater.
    - The remedial action objectives (RAOs) for the Site are to control and prevent unacceptable exposure to the contaminated media through the use of proper safety precautions during construction and excavation activities and to reduce the concentrations of the COCs in the media of interest to below the Site cleanup levels (CULs).

[2] The COPCs for a release of gasoline consist of: TPH as GRO; benzene, toluene, ethylbenzene, and total xylenes (BTEX); naphthalene; isopropylbenzene; n-propylbenzene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; lead; ethylene dibromide (EDB); ethylene dichloride (EDC); and methyl t-butyl ether (MTBE) (OAR 340-122-0218; DEQ 2003).

- The CAP outlined the following requirements for obtaining an NFA determination from DEQ for the Site:
    - Confirmation soil sampling will be conducted once preliminary groundwater compliance has been attained to demonstrate that concentrations of GRO in soil have attained the Site CULs.
    - Confirmation groundwater monitoring will consist of four consecutive quarters of compliant groundwater monitoring data in Site wells to demonstrate that concentrations of COCs are maintained below the Site CULs.[3]
    - Institutional controls will be submitted to the appropriate agency prior to requesting an NFA determination.

- **Revised Cleanup Levels -** In May 2018, the DEQ revised risk-based CULs for certain individual chemicals based on updated toxicity data, as provided in the table: *Risk-Based Concentrations for Individual Chemicals* (Oregon DEQ Environmental Cleanup Program Revised May 2018). The revisions affected CULs for groundwater COCs as summarized in the following table.

Groundwater COC	Former Cleanup Level (µg/l)	Revised Cleanup Level (µg/l)
benzene	1,700	**1,800**
toluene	210,000	**220,000**
ethylbenzene	4,400	**4,500**
1,2,4-trimethylbenzene	1,700	**6,300**

The cleanup level revisions do not affect the approach to the corrective action presented in the approved CAP, which is primarily driven by the CUL for GRO.

3.2 REMEDIATION SUMMARY

This section provides a chronological overview of the recent cleanup activities conducted at the Site.

- **Corrective Action Activities -** Corrective action activities were initiated in late January 2017 and included: baseline groundwater monitoring; subsurface treatment of petroleum hydrocarbons using ISCO introduced to the subsurface by soil mixing and injection into 60 direct-push borings at the Site (Figure 3).
- **Confirmation Soil Sampling -** In March 2019, quarterly groundwater analytical data indicated that the CULs for all COCs in groundwater had been attained throughout the

[3] Reconnaissance groundwater samples will also be collected from borings advanced west of the seawall during one event.

Site, and that the criteria for preliminary groundwater compliance had been achieved. In April 2019, confirmation soil sampling was conducted by advancing ten soil borings (CSB-1 through CSB-10) at the confirmation soil sampling locations designated in the CAP. Confirmation soil sampling results confirmed that concentrations of GRO in soil were below the Site-specific CUL of 9,700 mg/kg throughout the Site (Pacific Crest 2020b) (Figure 4).

- **Amendment to the CAP -** In September 2020, Pacific Crest submitted the ACAP to DEQ, which included establishing a fixed remediation well network; adjusting the monitoring well network; and, subsurface treatment of petroleum hydrocarbons using ISCO by the catalyst-activated sodium percarbonate (RegenOx®). Following approval by DEQ, the following was implemented:
    - Monitoring wells MW-2, MW-4, MW-5, and MW-7 were converted into remediation wells RMW-2, RMW-4, RMW-5, and RMW-7 to facilitate injection of RegenOx®. The 4-inch inner-diameter monitoring wells were well suited for conversion into remediation wells for ISCO treatment due to their volume, which is 600% greater per foot relative to 2-inch injection borings. New remediation well RMW-3 was also installed to replace former monitoring well MW-3; and
    - Three 2-inch inner-diameter monitoring wells (MW-10 through MW-12) were installed (Figure 2) to augment the monitoring well system.
    - ISCO injection events were conducted at the Site in December 2020, March 2021, June 2021, and October 2021. Approximately 1,740 gallons of RegenOx® solution was introduced to the subsurface during the injection events by gravity draining into remediation wells in December 2020, March 2021, June 2021, and October 2021 and injection into direct-push borings in June 2021.
- **Groundwater Monitoring –** Groundwater monitoring activities were conducted to evaluate the effectiveness of the ISCO injection events in accordance with the procedures prescribed in the CAP. Recent groundwater monitoring activities completed at the Site in December 2020, January 2021, April 2021, July 2021, and September 2021 are described in Pacific Crest's *Corrective Action Progress Report* (Pacific Crest 2022).

4.0 CONFIRMATION GROUNDWATER MONITORING

The CAP states that confirmation groundwater monitoring will be considered complete following four consecutive quarters of compliant groundwater monitoring data in Site monitoring wells. The confirmation groundwater monitoring period for Webb's Property and Gary's Property is represented by the four most recent quarterly groundwater monitoring events, conducted in December 2021, March 2022, June 2022, and September 2022. This section summarizes the activities and results of these events.

4.1 FIELD METHODS

Confirmation groundwater monitoring activities were conducted in accordance with the procedures prescribed in the CAP. A summary of these procedures is as follows:

- Prior to collecting water level data, each of the monitoring wells was opened and left undisturbed for a minimum of 15 minutes to allow sufficient time for equilibration with atmospheric pressure.
- An electronic water level indicator was used to measure the depth to groundwater in the wells relative to a surveyed mark on the north side of the top of the casing to an accuracy of 0.01 feet. The water level indicator was raised and lowered a minimum of 3 times to confirm the reading prior to recording the depth to water on the field form.
- Groundwater sampling was conducted using U.S. Environmental Protection Agency's (EPA's) *Low-Flow (minimal drawdown) Groundwater Sampling Procedures* (Puls and Barcelona 1996). The groundwater sampling procedures are summarized as follows:
    - Each well was purged using a peristaltic pump and dedicated polyethylene tubing at a flow rate ranging from approximately 200 milliliters per minute (0.05 gallons per minute) to 250 milliliters per minute (0.07 gallons per minute).
    - Groundwater geochemical parameters, including temperature, specific conductivity, pH, dissolved oxygen (DO), and oxidation/reduction potential (ORP) were measured and recorded at approximately three-minute intervals using a YSI Pro multi-parameter water quality meter equipped with a flow-through cell.
    - Upon stabilization of geochemical parameters, groundwater samples were collected directly into laboratory-prepared sample containers.
- Following collection, the samples were labeled, placed into a cooler on ice, and transported under standard chain-of-custody protocol to Apex Labs (Apex) of Tigard, Oregon. The samples were submitted to Apex for analysis of GRO by Northwest Method NWTPH-Gx; and for BTEX, naphthalene, and 1,2,4-trimethylbenzene by SW-846 Method 8260B.

4.1.1 Decontamination and Waste Management

All non-dedicated field sampling equipment was decontaminated between each use and prior to leaving the Site using a solution of Alconox and water, followed by a deionized water rinse. Soil

cuttings, purge water and decontamination wash water generated during the field activities were contained on the Site in sealed and labeled Oregon Department of Transportation approved 55-gallon drums pending waste profiling and proper disposal.

4.2 RESULTS

This section summarizes the results of confirmation groundwater monitoring conducted at the Site. The groundwater elevation data, groundwater quality parameters, and groundwater analytical results are summarized in Tables 1 through 3, respectively. The potentiometric surface and groundwater analytical results for each confirmation groundwater monitoring event are illustrated on Figures 5 through 8. The laboratory analytical reports are provided as Appendix A.

4.2.1 Groundwater Elevation Results

- The depth to groundwater measured in the Site monitoring wells ranged from 3.46 feet below top of casing (btoc) in well MW-1 (December 2021) to 11.39 feet btoc in well MW-10 (September 2022).
- The groundwater elevations ranged from 5.18 feet amsl in well MW-9 (September 2022) to 10.01 feet amsl in well MW-11 (December 2021).
- The groundwater potentiometric surface calculated for the four quarters of confirmation groundwater monitoring indicates that the direction of groundwater flow was generally to the west at an approximate gradient of 0.01 ft/ft.

4.2.2 Groundwater Analytical Results

- Gary's Property: Laboratory analysis did not detect any COCs at concentrations above their respective Site CULs in monitoring wells located on the Gary's Property (MW-1 and MW-12) during the confirmation groundwater monitoring period.
- Webb's Motel Property: Laboratory analysis did not detect any COCs at concentrations above their respective Site CULs in monitoring wells located on the Webb's Motel Property (MW-9 and MW-10) during the confirmation groundwater monitoring period.
- Conference Center Property: Laboratory results for monitoring wells located on the Conference Center Property (MW-6, MW-8, and MW-11) are as follows:
    - Laboratory analysis did not detect any COCs at concentrations above their respective Site CULs in monitoring wells located on the Conference Center Property (MW-6, MW-8, and MW-11) in December 2021 and March 2022.
    - Laboratory analysis detected concentrations of GRO and naphthalene above their respective CULs in well MW-6 in June 2022.
    - Laboratory analysis detected concentrations of GRO and naphthalene above their respective CULs in wells MW-6 and MW-11 (GRO only) in September 2022.

4.2.3 Data Validation

The groundwater analytical data was evaluated based on the data quality objectives (DQOs) provided in the Quality Assurance Project Plan (QAPP) (Appendix D of the CAP). The data validation determined that the project DQOs were satisfied.

4.3 DATA EVALUATION

This section presents an evaluation of the confirmation groundwater monitoring results.

- Gary's Property: Monitoring wells located on the Gary's Property (MW-1 and MW-12) have achieved four consecutive quarters of compliant groundwater results. In accordance with the CAP, this is sufficient to demonstrate that concentrations of COCs on the Gary's Property are maintained below the Site CULs.
- Webb's Motel Property: Monitoring wells located on the Webb's Motel Property (MW-9 and MW-10) have achieved four consecutive quarters of compliant groundwater results. In accordance with the CAP, this is sufficient to demonstrate that concentrations of COCs on the Webb's Motel Property are maintained below the Site CULs.
- Conference Center Property:
    - Concentrations of select COCs exceeded Site CULs in wells MW-6 and MW-11 on the Conference Center Property during periods of low groundwater elevations (i.e., summer and early fall). Graphical representations of GRO concentrations and corresponding groundwater elevations in Site wells over time is provided as Appendix B.
    - The fluctuating concentrations of petroleum hydrocarbons in groundwater in the vicinity of monitoring wells MW-6 and MW-11 on the Conference Center Property may be attributable to residual contaminant mass trapped below the water table as a result of heterogeneities created in this area in associated with the closure and backfilling of the former saltwater pool.

5.0 INSTITUTIONAL CONTROLS

In accordance with the DEQ-approved CAP, institutional controls should be implemented at Gary's Property, Webb's Motel Property, and Conference Center Property, as part of the Site closure process. An institutional control is a legal or administrative tool or action taken to reduce the potential for exposure to hazardous substances. Equitable Servitude and Easement documents have been prepared for the Gary's Property, Webb's Motel Property, and Conference Center Property to enforce these institutional controls. The institutional controls require the following:

- Future buildings constructed at each property must incorporate DEQ-approved, professionally installed vapor barriers into the building design.
- The property owners must prepare a Contaminated Media Management Plan (CMMP) at the Property prior to any future redevelopment, construction and/or excavation. The CMMP will be prepared to inform decisions related to managing, characterizing, and disposing of contaminated media encountered during future redevelopment, construction and/or excavation at the properties.

The Equitable Servitude and Easement documents are provided as Appendix C.

6.0 CLOSURE REQUEST AND FUTURE ACTIVITIES

6.1 CLOSURE REQUEST

The Gary's Property and Webb's Motel Property meet the requirements outlined in the CAP for obtaining a Partial NFA Opinion from DEQ, as demonstrated below:

- **Confirmation Soil Sampling** - Confirmation soil sampling will be conducted once preliminary groundwater compliance has been attained to demonstrate that concentrations of GRO in soil have attained the Site CULs.
    - In April 2019, confirmation soil sampling was conducted by advancing ten soil borings (CSB-1 through CSB-10) at the confirmation soil sampling locations designated in the CAP. Confirmation soil sampling results confirmed that concentrations of GRO in soil were below the Site-specific CUL of 9,700 mg/kg throughout the Site (Pacific Crest 2020b).
- **Confirmation Groundwater Monitoring** - Confirmation groundwater monitoring will consist of four consecutive quarters of compliant groundwater monitoring data in Site wells to demonstrate that concentrations of COCs are maintained below the Site CULs.
    - Groundwater collected from monitoring wells located on the Gary's Property (MW-1 and MW-12) and the Webb's Motel Property (MW-9 and MW-10) have achieved four consecutive quarters of compliant groundwater results (Section 4.0).
- **Institutional Controls** - Institutional controls will be submitted to the appropriate agency prior to requesting a NFA determination.
    - Equitable Servitude and Easement documents have been prepared for the Gary's Property, Webb's Motel Property, and Conference Center Property to enforce appropriate institutional controls (Section 5.0).

The Partial NFA Opinion is requested for Gary's Property and Webb's Motel Property at this time based on attainment of these requirements, which were completed in accordance with DEQ's Cleanup Rules for Leaking Petroleum UST Systems (OAR 340-122-0205 through 340-122-0360).

It is acknowledged that Partial NFA determinations are not typically issued by the DEQ; we respectfully request that the DEQ grant a Partial NFA for the Site at this time, due to the exigent circumstances facing Gary's Property and Webb's Motel Property. Gary's Cannon Beach Service Center will soon be forced to close due to hardships suffered because of family health issues and pandemic-related business loss. Gary's Property is set to be sold to the owner of Webb's Motel Property; however, the sale cannot go forward without receipt of a Partial NFA. If the Partial NFA is issued, the owner of Webb's Motel Property will be able to obtain the necessary financing to purchase Gary's Property and to undertake structural improvements of the deteriorated seawall on the Webb's Motel Property, which, in the interest of public safety and functionality, needs to be rebuilt as soon as possible.

6.2 FUTURE ACTIVITIES

Additional corrective action activities are necessary in order to attain Site-wide closure.

- Quarterly groundwater monitoring will be conducted at the Conference Center Property until the confirmation sampling objectives are complete. The next quarterly groundwater monitoring event is scheduled for December 2022.
- Additional ISCO injection is warranted on the Conference Center Property to accelerate the cleanup progress. ISCO injection activities will be completed on the Conference Center Property in December 2022.[4]
- Reconnaissance groundwater samples will be collected from borings advanced west of the seawall in March 2023 and submitted for laboratory analysis of COCs, in accordance with the CAP.

[4] ISCO injection activities will commence following completion of quarterly groundwater monitoring activities.

7.0 REFERENCES

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8.0 LIMITATIONS

The conclusions and recommendations contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location and are subject to the following inherent limitations:

Accuracy of Information. Certain information used by Pacific Crest in this report has been obtained, reviewed, and evaluated from various sources believed to be reliable. Although the conclusions, opinions, and recommendations are based in part on such information, Pacific Crest services did not include the verification of its accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Pacific Crest reserves the right to amend or revise its conclusions, opinions, and/or recommendations.

FIGURES

CONDITIONAL CLOSURE REPORT

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

Pacific Crest No: 173-002

Source: TOPO! 2007

N

0 600

Approximate Scale in Feet

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

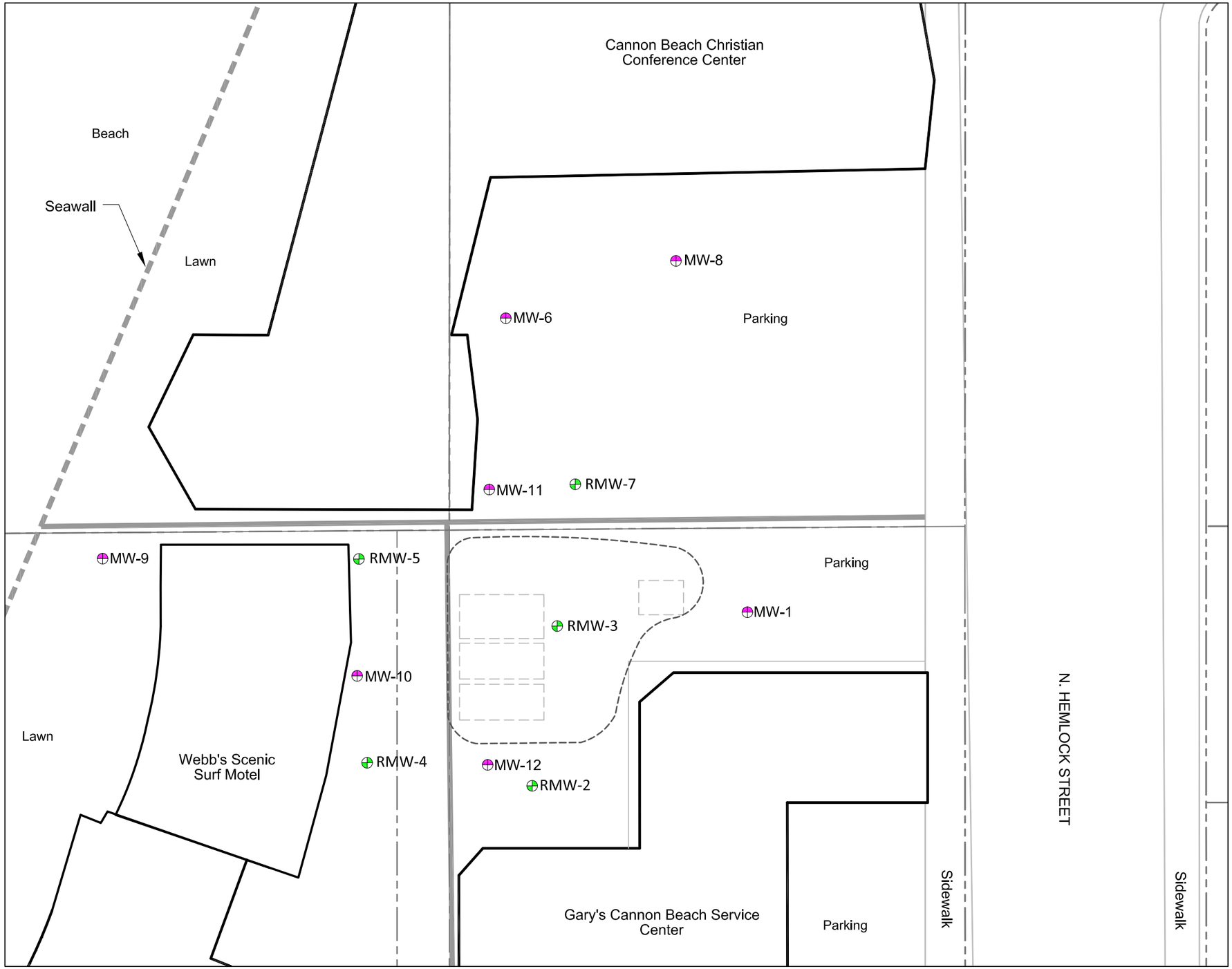
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

PN: 173-002

Figure 1

Site Location Map

6/14/2021 173-002-005.dwg FIG 1



Legend

- RMW-2 — Remediation Well
- MW-10 — Monitoring Well
- Former Underground Storage Tank Location
- Extent of 2007 Excavation
- Building
- Property Boundary
- Seawall
- Retaining Wall

N

0 20

Approximate Scale in Feet

12/2/2022 173-002-040.dwg FIG 2

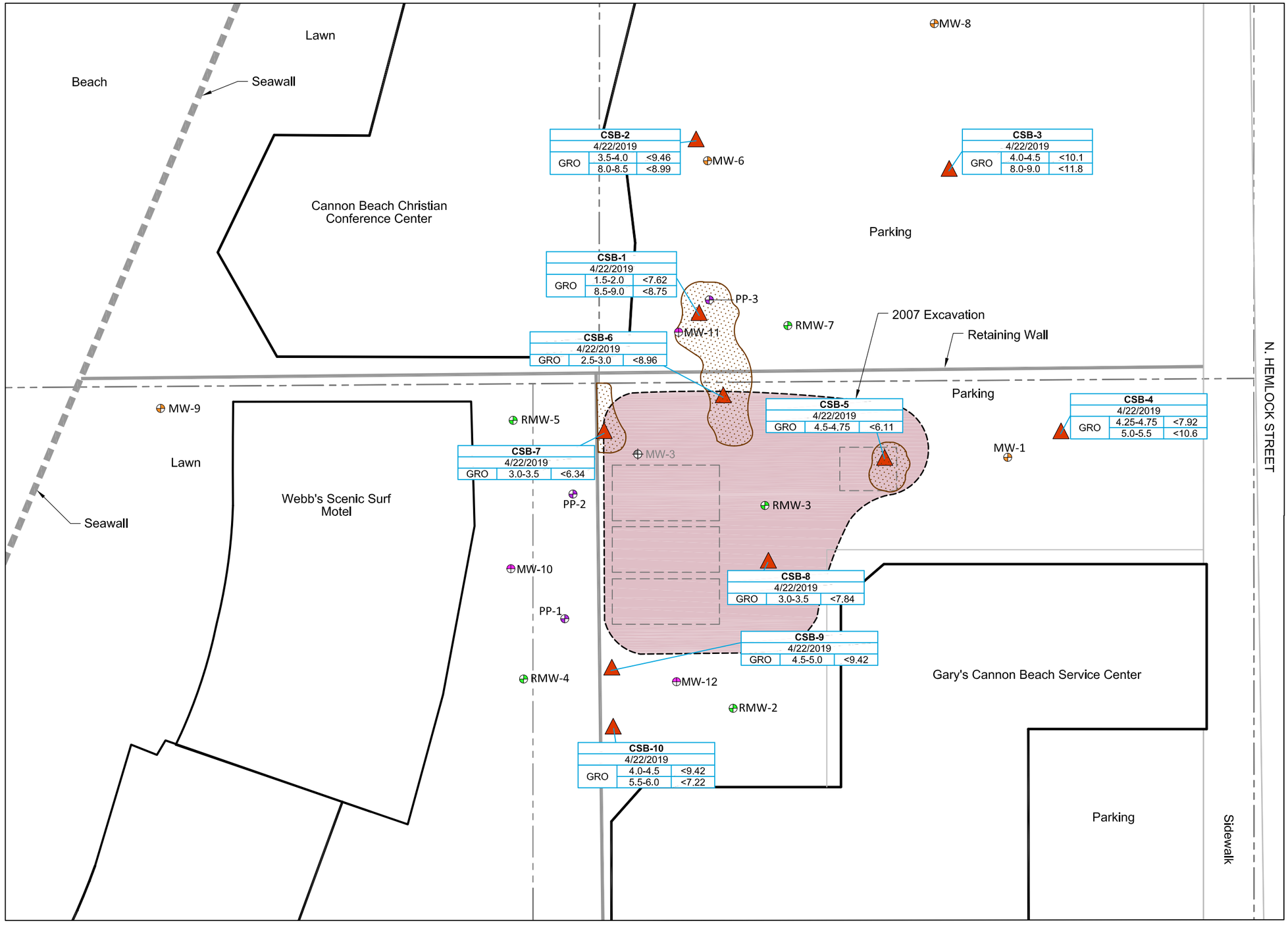
PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

PN: 173-002

Figure 2

Site Plan



PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

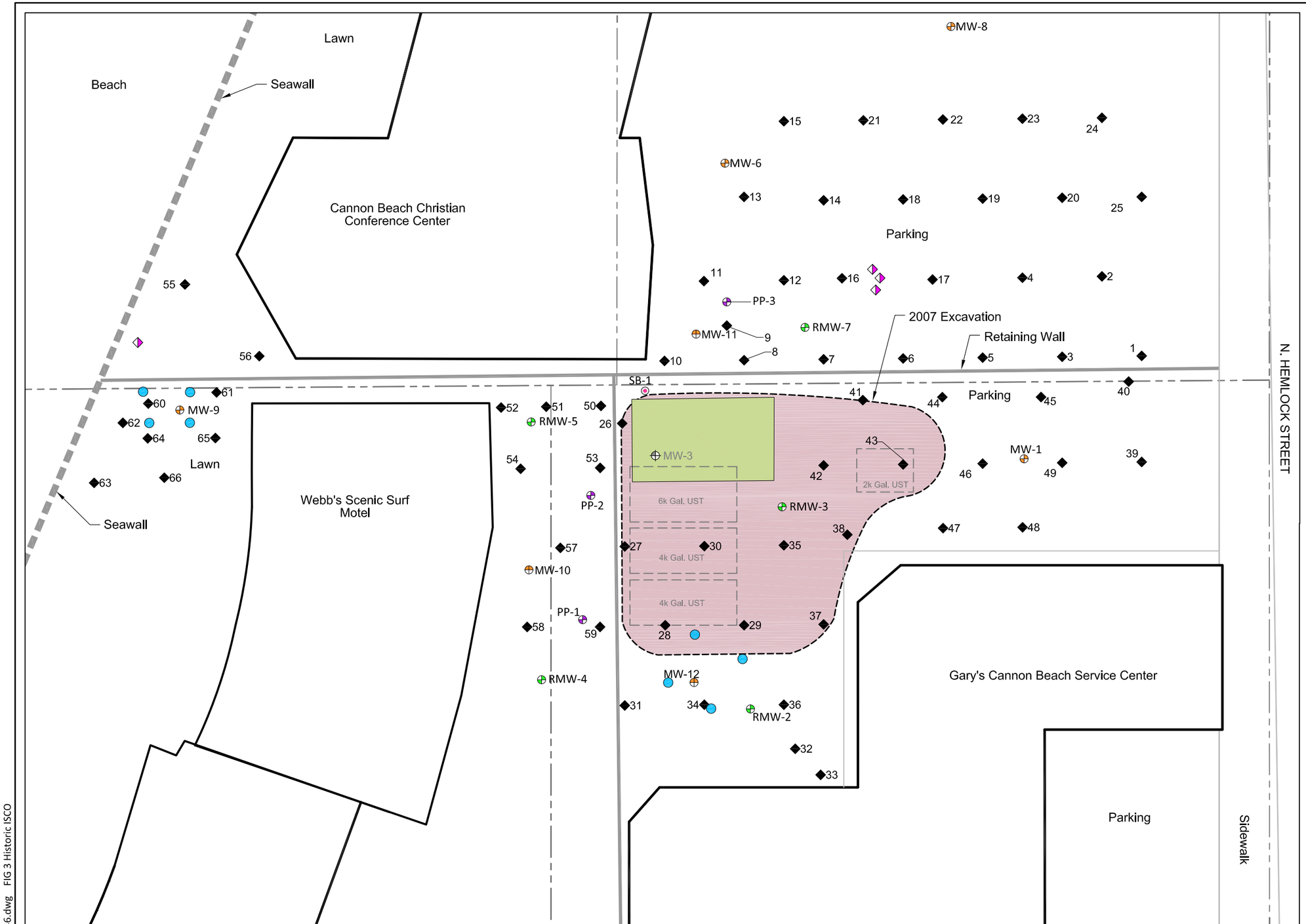
PN: 173-002

Sources:
1. Coles & Associates, LLC
2. K&S Environmental, Inc.

Figure 4

Site Plan with Confirmation Soil Analytical Results

11/11/2022 173-002-047.dwg FIG 4 Soil



Legend

- ISCO Soil Mixing Location (2017)
- IP Boring (2017)
- IP Boring Refusal (2017)
- IP Boring (2021)
- ISCO In-Situ Chemical Oxidation
- SB-1 Soil Boring
- PP-1 Soil-Gas Well
- MW-9 Monitoring Well
- RMW-4 Remediation Well
- MW-3 Decommissioned Well

COC contaminants of concern
UST underground storage tank
CULs cleanup levels
IP injection point
ISCO In Situ Chemical Oxidation

- Former Underground Storage Tank Location
- Extent of 2007 Excavation
- Building
- Property Boundary
- Seawall
- Retaining Wall

N

0 15

Approximate Scale in Feet

11/11/2022 173-002-046.dwg FIG 3 Historic ISCO

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

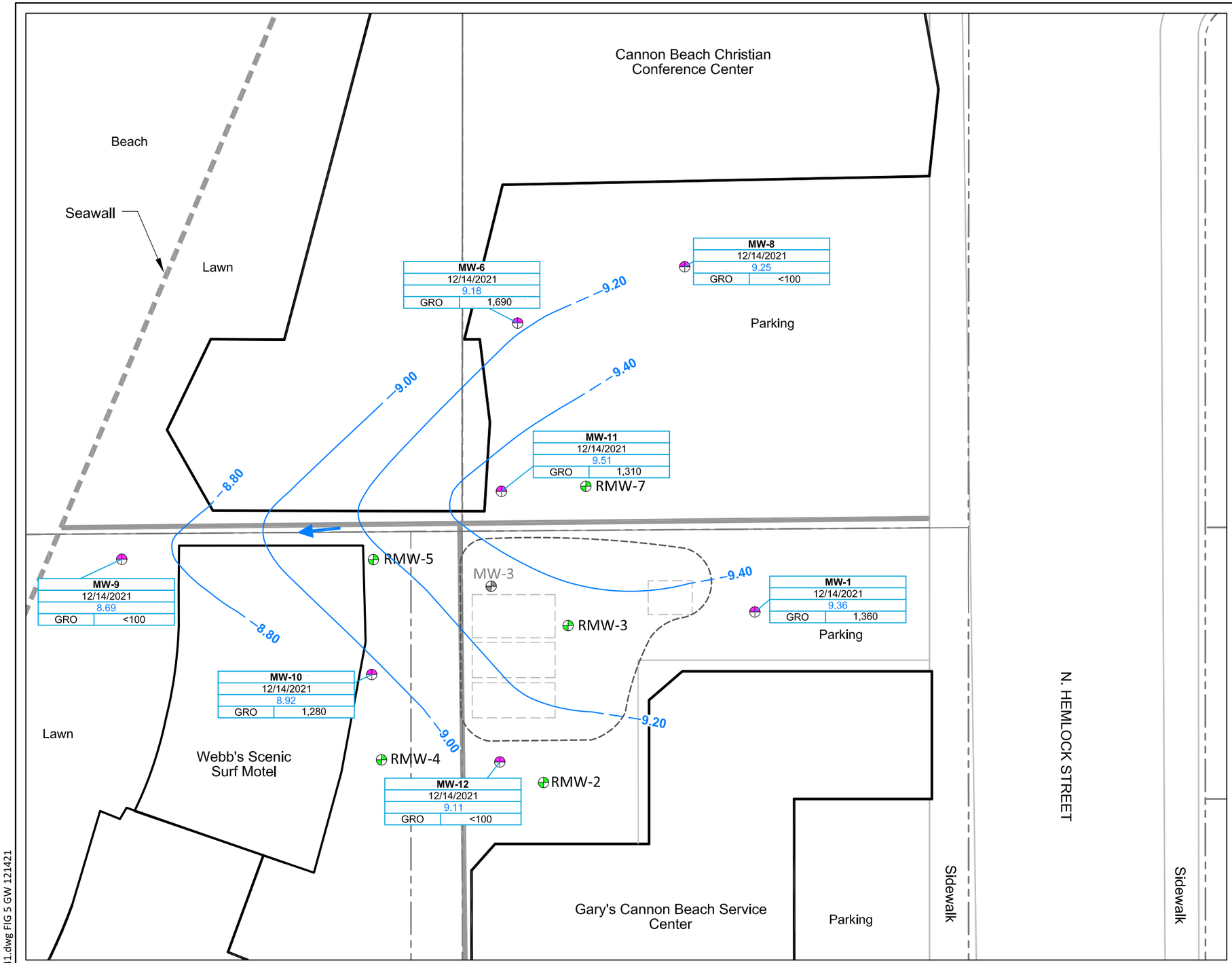
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

PN: 173-002

Sources:
1. Coles & Associates, LLC
2. K&S Environmental, Inc.

Figure 3

Site Plan with Historical ISCO Treatment Locations



Legend

- 8.60 — Potentiometric Contour in Feet (contour = 0.2 foot) (dashed where inferred)
- Apparent Direction of Groundwater Flow
- MW-1 — Monitoring Well
- RMW-2 — Remediation Well
- MW-3 — Decommissioned Well
- Former Underground Storage Tank Location
- Extent of 2007 Excavation
- Building
- Property Boundary
- Seawall
- Retaining Wall

Well ID
Date
Groundwater Elevation (feet amsl)
Analyte | µg/L

BOLD	Concentration exceeds CUL
GRO	gasoline range organics (CUL: 14,000 µg/L)
amsl	above mean sea level
µg/L	micrograms per liter
CUL	cleanup level

N

0 20
Approximate Scale in Feet

11/11/2022 173-002-041.dwg FIG 5 GW 121421

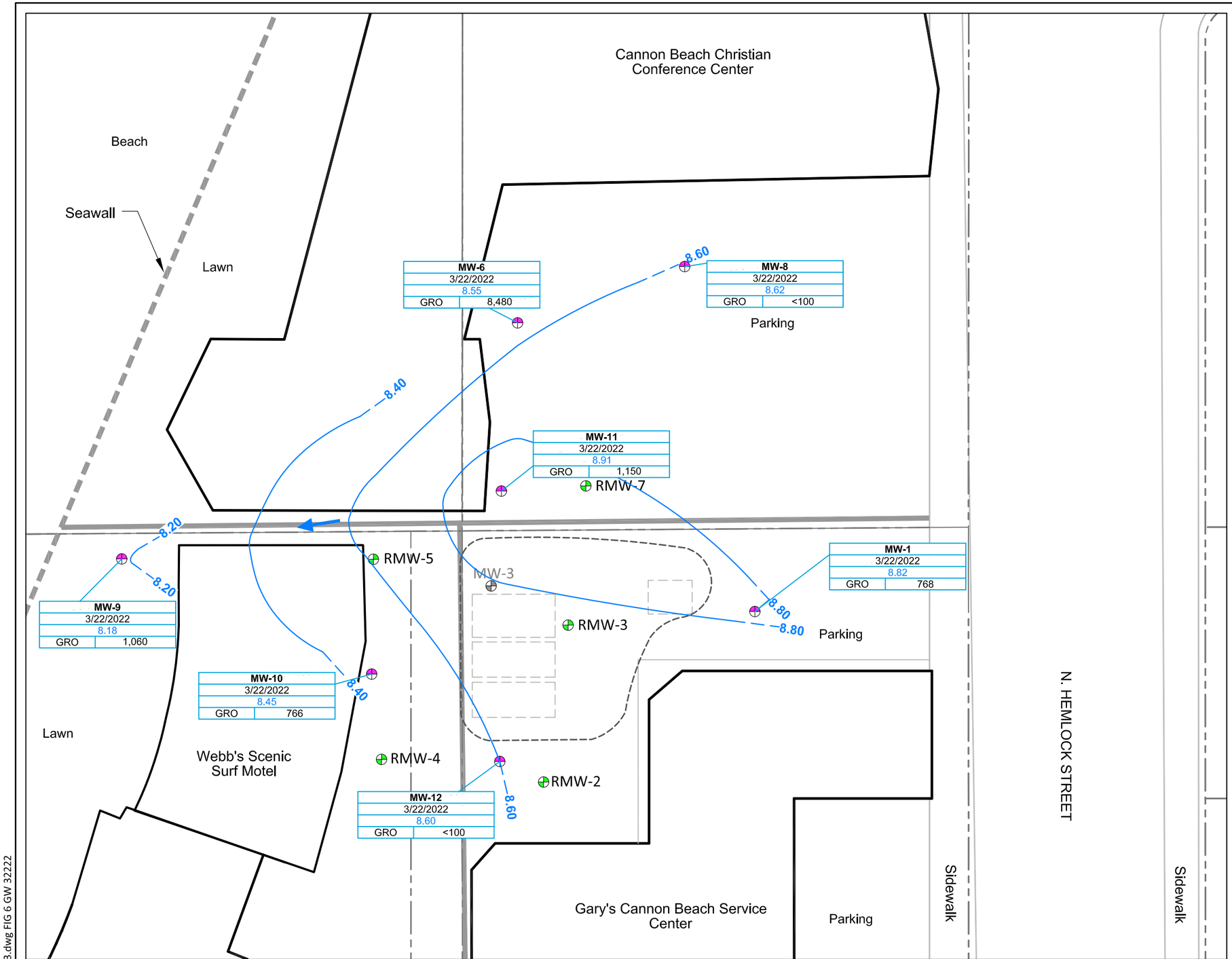
PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

PN: 173-002

Figure 5

Site Plan with Potentiometric Surface and Groundwater Analytical Results
(December 14, 2021)



Legend

- 8.60 — Potentiometric Contour in Feet (contour = 0.2 foot) (dashed where inferred)
- Apparent Direction of Groundwater Flow
- MW-1 — Monitoring Well
- RMW-2 — Remediation Well
- MW-3 — Decommissioned Well
- Former Underground Storage Tank Location
- Extent of 2007 Excavation
- Building
- Property Boundary
- Seawall
- Retaining Wall

Well ID
Date
Groundwater Elevation (feet amsl)
Analyte | µg/L

BOLD Concentration exceeds CUL
GRO gasoline range organics (CUL: 14,000 µg/L)
amsl above mean sea level
µg/L micrograms per liter
CUL cleanup level

N

0 20
Approximate Scale in Feet

11/11/2022 173-002-043.dwg FIG 6 GW 32222

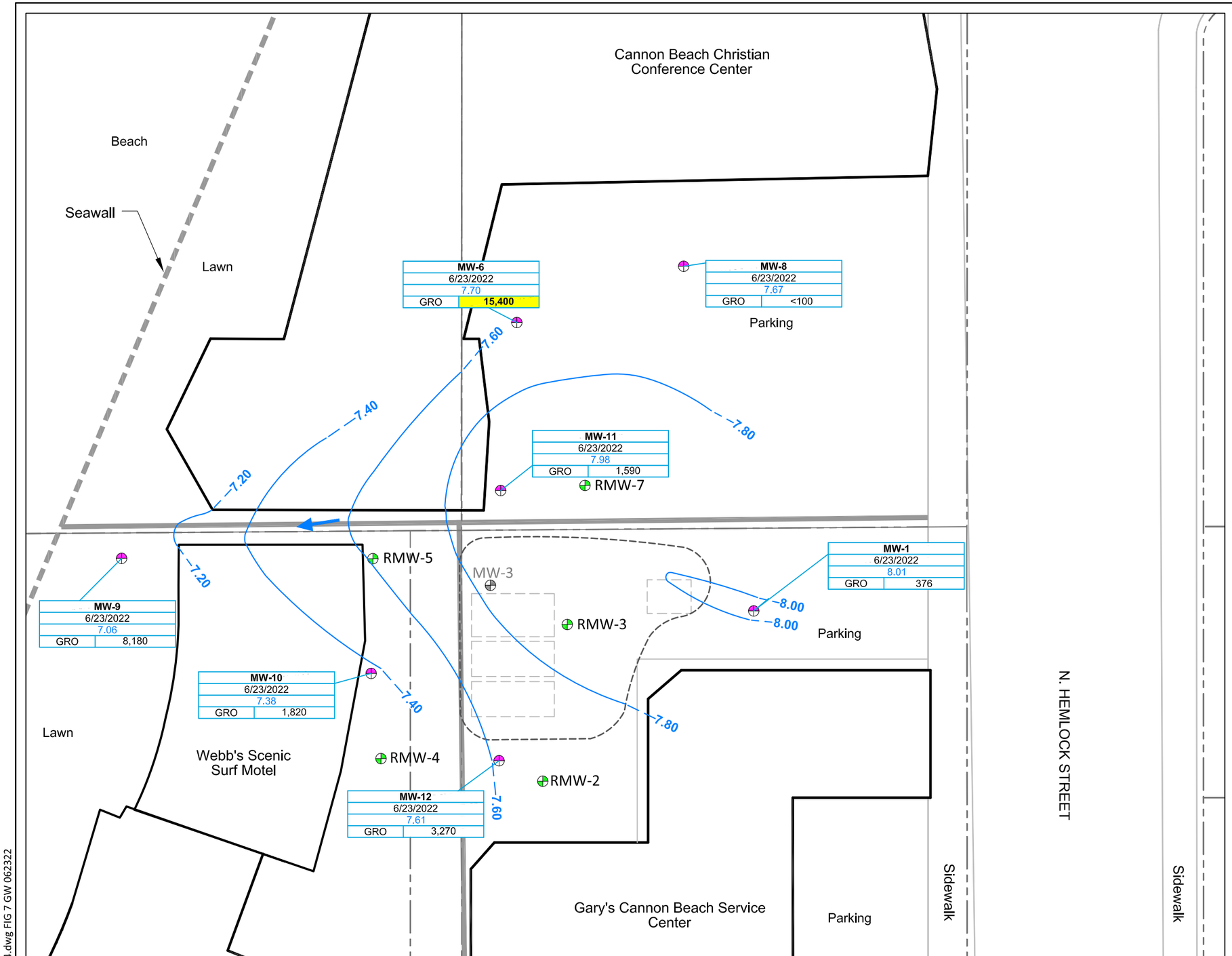
PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

PN: 173-002

Figure 6

Site Plan with Potentiometric Surface and Groundwater Analytical Results (March 22, 2022)



Legend

- 7.80 — Potentiometric Contour in Feet (contour = 0.2 foot) (dashed where inferred)
- Apparent Direction of Groundwater Flow
- MW-1 — Monitoring Well
- RMW-2 — Remediation Well
- MW-3 — Decommissioned Well
- Former Underground Storage Tank Location
- Extent of 2007 Excavation
- Building
- Property Boundary
- Seawall
- Retaining Wall

Well ID
Date
Groundwater Elevation (feet amsl)
Analyte | µg/L

BOLD	Concentration exceeds CUL
GRO	gasoline range organics (CUL: 14,000 µg/L)
amsl	above mean sea level
µg/L	micrograms per liter
CUL	cleanup level

N

0 20
Approximate Scale in Feet

11/11/2022 173-002-044.dwg FIG 7 GW 062322

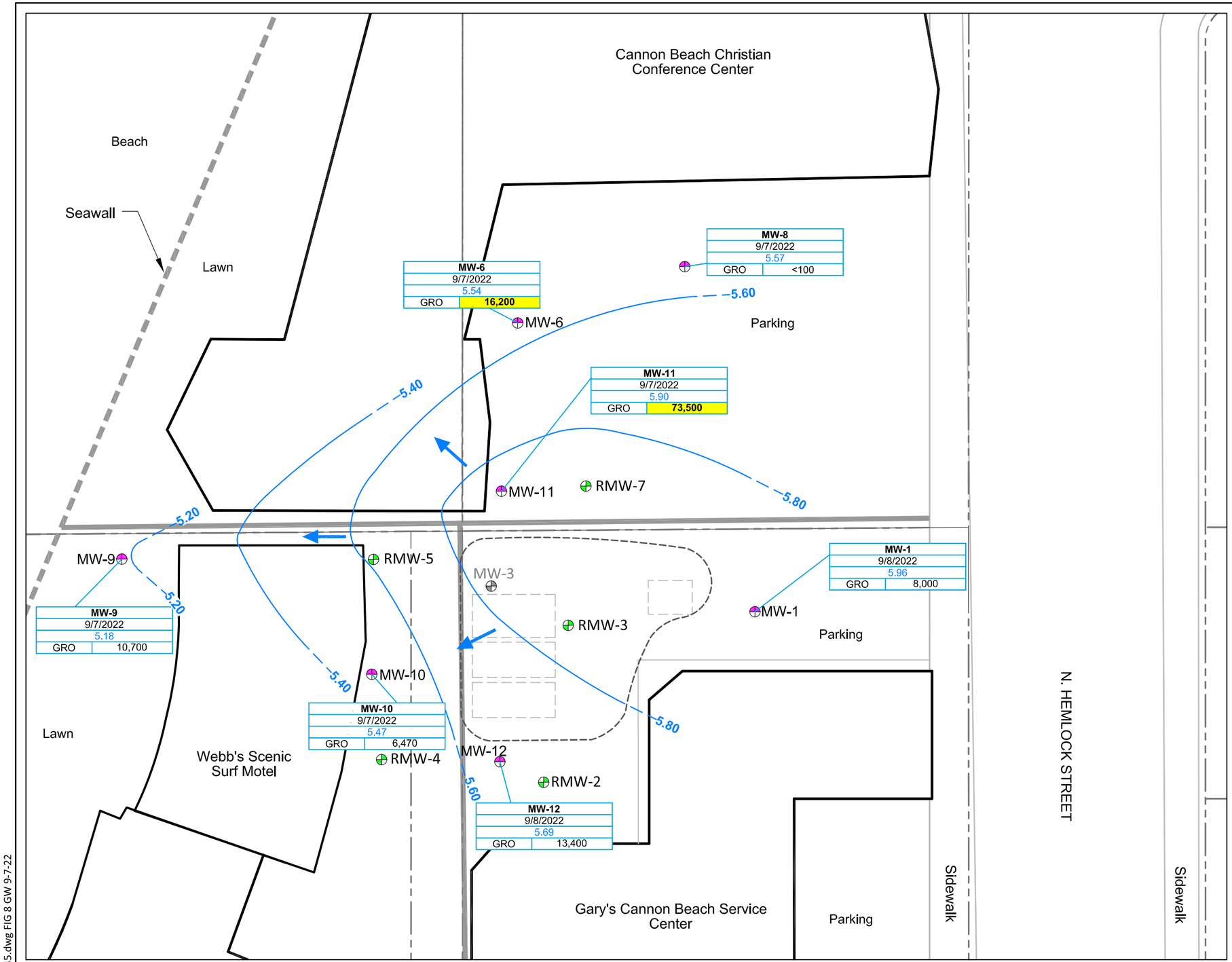
PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

PN: 173-002

Figure 7

Site Plan with Potentiometric Surface and Groundwater Analytical Results (June 23, 2022)



Legend

- 5.80 — Potentiometric Contour in Feet (contour = 0.1 foot) (dashed where inferred)
- Apparent Direction of Groundwater Flow
- MW-1 — Monitoring Well
- RMW-2 — Remediation Well
- MW-3 — Decommissioned Well
- Former Underground Storage Tank Location
- Extent of 2007 Excavation
- Building
- Property Boundary
- Seawall
- Retaining Wall

Well ID
Date
Groundwater Elevation (relative to mean sea level)
Depth: feet bgs
Analyte: µg/L

BOLD — Concentration exceeds cleanup level
GRO — gasoline range organics (CUL: 14,000 µg/L)
µg/L — micrograms per liter
CUL — cleanup level

N

0 20
Approximate Scale in Feet

11/11/2022 173-002-045.dwg FIG 8 GW 9-7-22

PACIFIC CREST ENVIRONMENTAL
WWW.PCENV.COM 425-888-4990

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

PN: 173-002

Figure 8

Site Plan with Potentiometric Surface and Groundwater Analytical Results
(September 7 - 8, 2022)

TABLES

CONDITIONAL CLOSURE REPORT

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

Pacific Crest No: 173-002

Table 1
Groundwater Elevation Data Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	Date	Collected By	Screened Interval (feet btoc)[1]	Top of Casing Elevation (feet amsl)[2]	Depth to Groundwater (feet btoc)[1]	Potentiometric Surface Elevation (feet amsl)[2]
MW-1	6/17/2010	K&S	5-15	12.82	4.96	7.86
	11/10/2010	K&S			4.74	8.08
	3/23/2011	K&S			3.69	9.13
	2/6/2012	C&A			4.15	8.67
	5/21/2012	C&A			4.75	8.07
	8/26/2012	C&A			6.85	5.97
	12/3/2012	C&A			2.83	9.99
	2/24/2013	C&A			3.68	9.14
	1/17/2017	Pacific Crest			4.61	8.21
	5/10/2017	Pacific Crest			4.45	8.37
	8/8/2017	Pacific Crest			6.62	6.20
	12/7/2017	Pacific Crest			3.88	8.94
	3/26/2018	Pacific Crest			4.14	8.68
	6/14/2018	Pacific Crest			5.92	6.90
	9/20/2018	Pacific Crest			7.05	5.77
	12/4/2018	Pacific Crest			5.02	7.80
	3/12/2019	Pacific Crest			4.64	8.18
	6/6/2019	Pacific Crest			6.12	6.70
	9/17/2019	Pacific Crest			6.85	5.97
	11/18/2019	Pacific Crest			6.35	6.47
	6/29/2020	Pacific Crest			6.15	6.67
	9/23/2020	Pacific Crest			7.38	5.44
	12/8/2020	Pacific Crest			4.85	7.97
	12/10/2020	Pacific Crest			4.78	8.04
	12/21/2020	Pacific Crest			3.87	8.95
	1/14/2021	Pacific Crest			2.98	9.84
	4/26/2021	Pacific Crest			5.61	7.21
	7/28/2021	Pacific Crest			7.03	5.79
	9/1/2021	Pacific Crest			7.34	5.48
	12/14/2021	Pacific Crest			3.46	9.36
	3/22/2022	Pacific Crest			4.00	8.82
	6/23/2022	Pacific Crest			4.81	8.01
	9/7/2022	Pacific Crest			6.86	5.96
MW-2	6/17/2010	K&S	5-15	13.06	5.55	7.51
	11/10/2010	K&S			5.00	8.06
	3/23/2011	K&S			4.02	9.04
	2/6/2012	C&A			4.70	8.36
	5/21/2012	C&A			5.25	7.81
	8/26/2012	C&A			7.25	5.81
	12/3/2012	C&A			3.07	9.99
	2/24/2013	C&A			4.10	8.96
	1/17/2017	Pacific Crest			5.09	7.97
	5/10/2017	Pacific Crest			4.93	8.13
	8/8/2017	Pacific Crest			7.06	6.00
	12/7/2017	Pacific Crest			4.27	8.79
	3/26/2018	Pacific Crest			4.50	8.56
	6/14/2018	Pacific Crest			6.31	6.75
	9/20/2018	Pacific Crest			7.34	5.72
	12/4/2018	Pacific Crest			5.35	7.71
	3/12/2019	Pacific Crest			4.94	8.12
	6/6/2019	Pacific Crest			6.59	6.47
	9/17/2019	Pacific Crest			6.93	6.13
	11/18/2019	Pacific Crest			6.71	6.35
	6/29/2020	Pacific Crest			6.60	6.46
	9/23/2020	Pacific Crest			7.60	5.46
	CONVERTED TO REMEDIATION WELL 12/7/2020					
MW-3	6/17/2010	K&S	5-15	12.61	5.01	7.60
	11/10/2010	K&S			5.53	7.08
	3/23/2011	K&S			3.70	8.91
	2/6/2012	C&A			4.28	8.33
	5/21/2012	C&A			4.85	7.76
	8/26/2012	C&A			6.88	5.73
	12/3/2012	C&A			2.57	10.04
	2/24/2013	C&A			3.62	8.99
	1/17/2017	Pacific Crest			4.70	7.91
	DECOMMISSIONED 1/30/2017					
MW-4	6/17/2010	K&S	8-18	17.03	9.81	7.22
	11/10/2010	K&S			8.91	8.12
	3/23/2011	K&S			8.33	8.70
	2/6/2012	C&A			8.98	8.05
	5/21/2012	C&A			9.51	7.52
	8/26/2012	C&A			11.44	5.59
	12/3/2012	C&A			7.20	9.83
	2/24/2013	C&A			8.29	8.74
	1/17/2017	Pacific Crest			9.43	7.60
	5/10/2017	Pacific Crest			9.19	7.84
	8/8/2017	Pacific Crest			11.22	5.81
	12/7/2017	Pacific Crest			8.48	8.55
	3/26/2018	Pacific Crest			8.69	8.34
	6/14/2018	Pacific Crest			10.53	6.50
	9/20/2018	Pacific Crest			11.43	5.60
	12/4/2018	Pacific Crest			9.44	7.59
	3/12/2019	Pacific Crest			9.20	7.83
	6/6/2019	Pacific Crest			10.81	6.22
	9/17/2019	Pacific Crest			11.06	5.97
	11/18/2019	Pacific Crest			10.83	6.20
	6/29/2020	Pacific Crest			10.81	6.22
	9/23/2020	Pacific Crest			11.72	5.31
	CONVERTED TO REMEDIATION WELL 12/7/2020					

Table 1
Groundwater Elevation Data Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	Date	Collected By	Screened Interval (feet btoc)[1]	Top of Casing Elevation (feet amsl)[2]	Depth to Groundwater (feet btoc)[1]	Potentiometric Surface Elevation (feet amsl)[2]
MW-5	6/17/2010	K&S	8-18	16.66	9.46	7.20
	11/10/2010	K&S			8.76	7.90
	3/23/2011	K&S			7.95	8.71
	2/6/2012	C&A			8.55	8.11
	5/21/2012	C&A			9.11	7.55
	8/26/2012	C&A			11.09	5.57
	12/3/2012	C&A			6.75	9.91
	2/24/2013	C&A			7.83	8.83
	1/17/2017	Pacific Crest			8.95	7.71
	5/10/2017	Pacific Crest			8.78	7.88
	8/8/2017	Pacific Crest			10.88	5.78
	12/7/2017	Pacific Crest			8.06	8.60
	3/26/2018	Pacific Crest			8.28	8.38
	6/14/2018	Pacific Crest			10.15	6.51
	9/20/2018	Pacific Crest			11.08	5.58
	12/4/2018	Pacific Crest			8.94	7.72
	3/12/2019	Pacific Crest			8.74	7.92
	6/6/2019	Pacific Crest			10.39	6.27
	9/17/2019	Pacific Crest			10.64	6.02
	11/18/2019	Pacific Crest			10.45	6.21
	6/29/2020	Pacific Crest			10.40	6.26
	9/23/2020	Pacific Crest			11.34	5.32
	CONVERTED TO REMEDIATION WELL 12/7/2020					
MW-6	6/17/2010	K&S	8-18	16.80	9.35	7.45
	11/10/2010	K&S			8.81	7.99
	3/23/2011	K&S			7.92	8.88
	2/6/2012	C&A			8.36	8.44
	5/21/2012	C&A			9.00	7.80
	8/26/2012	C&A			11.09	5.71
	12/3/2012	C&A			6.86	9.94
	2/24/2013	C&A			7.76	9.04
	1/17/2017	Pacific Crest			8.85	7.95
	5/10/2017	Pacific Crest			8.74	8.06
	8/8/2017	Pacific Crest			10.96	5.84
	12/7/2017	Pacific Crest			7.99	8.81
	3/26/2018	Pacific Crest			8.34	8.46
	6/14/2018	Pacific Crest			10.12	6.68
	9/20/2018	Pacific Crest			11.21	5.59
	12/4/2018	Pacific Crest			9.09	7.71
	3/12/2019	Pacific Crest			8.87	7.93
	6/6/2019	Pacific Crest			10.36	6.44
	9/17/2019	Pacific Crest			10.96	5.84
	11/18/2019	Pacific Crest			10.48	6.32
	6/29/2020	Pacific Crest			10.39	6.41
	9/23/2020	Pacific Crest			11.55	5.25
	12/8/2020	Pacific Crest			8.96	7.84
	12/10/2020	Pacific Crest			8.84	7.96
	12/21/2020	Pacific Crest			7.94	8.86
	1/14/2021	Pacific Crest			7.18	9.62
	4/26/2021	Pacific Crest			9.93	6.87
	7/28/2021	Pacific Crest			11.32	5.48
	9/1/2021	Pacific Crest			11.63	5.17
	12/14/2021	Pacific Crest			7.62	9.18
	3/22/2022	Pacific Crest			8.25	8.55
	6/23/2022	Pacific Crest			9.10	7.70
	9/7/2022	Pacific Crest			11.26	5.54
MW-7	6/17/2010	K&S	5-15	16.10	8.59	7.51
	11/10/2010	K&S			8.09	8.01
	3/23/2011	K&S			7.18	8.92
	2/6/2012	C&A			7.62	8.48
	5/21/2012	C&A			8.25	7.85
	8/26/2012	C&A			10.33	5.77
	12/3/2012	C&A			6.12	9.98
	2/24/2013	C&A			7.05	9.05
	1/17/2017	Pacific Crest			NM	--
	1/31/2017	Pacific Crest			7.79	8.31
	5/10/2017	Pacific Crest			7.96	8.14
	8/8/2017	Pacific Crest			10.16	5.94
	12/7/2017	Pacific Crest			7.31	8.79
	3/26/2018	Pacific Crest			7.60	8.50
	6/14/2018	Pacific Crest			9.43	6.67
	9/20/2018	Pacific Crest			10.48	5.62
	12/4/2018	Pacific Crest			8.41	7.69
	3/12/2019	Pacific Crest			8.04	8.06
	6/6/2019	Pacific Crest			9.63	6.47
	9/17/2019	Pacific Crest			10.17	5.93
	11/18/2019	Pacific Crest			9.75	6.35
	6/29/2020	Pacific Crest			9.65	6.45
	9/23/2020	Pacific Crest			10.80	5.30
	CONVERTED TO REMEDIATION WELL 12/7/2020					

Table 1
Groundwater Elevation Data Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	Date	Collected By	Screened Interval (feet btoc)[1]	Top of Casing Elevation (feet amsl)[2]	Depth to Groundwater (feet btoc)[1]	Potentiometric Surface Elevation (feet amsl)[2]
MW-8	6/17/2010	K&S	8-18	15.86	8.29	7.57
	11/10/2010	K&S			7.85	8.01
	3/23/2011	K&S			6.87	8.99
	2/6/2012	C&A			6.25	9.61
	5/21/2012	C&A			7.94	7.92
	8/26/2012	C&A			10.11	5.75
	12/3/2012	C&A			5.91	9.95
	2/24/2013	C&A			6.74	9.12
	1/17/2017	Pacific Crest			7.80	8.06
	5/10/2017	Pacific Crest			7.69	8.17
	8/8/2017	Pacific Crest			9.94	5.92
	12/7/2017	Pacific Crest			7.00	8.86
	3/26/2018	Pacific Crest			7.39	8.47
	6/14/2018	Pacific Crest			9.21	6.65
	9/20/2018	Pacific Crest			10.30	5.56
	12/4/2018	Pacific Crest			8.16	7.70
	3/12/2019	Pacific Crest			7.85	8.01
	6/6/2019	Pacific Crest			9.36	6.50
	9/17/2019	Pacific Crest			10.12	5.74
	11/18/2019	Pacific Crest			9.51	6.35
	6/29/2020	Pacific Crest			9.41	6.45
	9/23/2020	Pacific Crest			10.62	5.24
	12/8/2020	Pacific Crest			7.97	7.89
	12/10/2020	Pacific Crest			7.90	7.96
	12/21/2020	Pacific Crest			6.95	8.91
	1/14/2021	Pacific Crest			6.10	9.76
	4/26/2021	Pacific Crest			8.91	6.95
	7/28/2021	Pacific Crest			10.35	5.51
	9/1/2021	Pacific Crest			10.67	5.19
	12/14/2021	Pacific Crest			6.61	9.25
	3/22/2022	Pacific Crest			7.24	8.62
	6/23/2022	Pacific Crest			8.19	7.67
	9/7/2022	Pacific Crest			10.29	5.57
MW-9	2/6/2012	C&A	5-20	16.30	8.63	7.67
	5/21/2012	C&A			9.07	7.23
	8/26/2012	C&A			10.92	5.38
	12/3/2012	C&A			6.78	9.52
	2/24/2013	C&A			7.79	8.51
	1/17/2017	Pacific Crest			8.86	7.44
	5/10/2017	Pacific Crest			8.83	7.47
	8/8/2017	Pacific Crest			10.88	5.42
	12/7/2017	Pacific Crest			8.07	8.23
	3/26/2018	Pacific Crest			8.08	8.22
	6/14/2018	Pacific Crest			9.95	6.35
	9/20/2018	Pacific Crest			10.79	5.51
	12/4/2018	Pacific Crest			8.78	7.52
	3/12/2019	Pacific Crest			8.76	7.54
	6/6/2019	Pacific Crest			10.34	5.96
	9/17/2019	Pacific Crest			10.05	6.25
	11/18/2019	Pacific Crest			10.29	6.01
	6/29/2020	Pacific Crest			10.31	5.99
	9/23/2020	Pacific Crest			11.22	5.08
	12/8/2020	Pacific Crest			8.68	7.62
	12/10/2020	Pacific Crest			8.55	7.75
	12/21/2020	Pacific Crest			8.31	7.99
	1/14/2021	Pacific Crest			7.80	8.50
	4/26/2021	Pacific Crest			9.92	6.38
	7/28/2021	Pacific Crest			11.16	5.14
	9/1/2021	Pacific Crest			11.35	4.95
	12/14/2021	Pacific Crest			7.61	8.69
	3/22/2022	Pacific Crest			8.12	8.18
	6/23/2022	Pacific Crest			9.24	7.06
	9/7/2022	Pacific Crest			11.12	5.18
MW-10	12/8/2020	Pacific Crest	5-15	16.86	9.18	7.68
	12/10/2020	Pacific Crest			9.04	7.82
	12/21/2020	Pacific Crest			8.39	8.47
	1/14/2021	Pacific Crest			7.62	9.24
	4/26/2021	Pacific Crest			10.19	6.67
	7/28/2021	Pacific Crest			11.46	5.40
	9/1/2021	Pacific Crest			11.69	5.17
	12/14/2021	Pacific Crest			7.94	8.92
	3/22/2022	Pacific Crest			8.41	8.45
	6/23/2022	Pacific Crest			9.48	7.38
	9/7/2022	Pacific Crest			11.39	5.47
MW-11	12/8/2020	Pacific Crest	5-15	17.22	9.09	8.13
	12/10/2020	Pacific Crest			8.98	8.24
	12/21/2020	Pacific Crest			8.39	8.83
	1/14/2021	Pacific Crest			7.21	10.01
	4/26/2021	Pacific Crest			10.06	7.16
	7/28/2021	Pacific Crest			11.39	5.83
	9/1/2021	Pacific Crest			11.69	5.53
	12/14/2021	Pacific Crest			7.21	10.01
	3/22/2022	Pacific Crest			8.31	8.91
	6/23/2022	Pacific Crest			9.24	7.98
	9/7/2022	Pacific Crest			11.32	5.90

Table 1
Groundwater Elevation Data Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	Date	Collected By	Screened Interval (feet btoc)[1]	Top of Casing Elevation (feet amsl)[2]	Depth to Groundwater (feet btoc)[1]	Potentiometric Surface Elevation (feet amsl)[2]
MW-12	12/8/2020	Pacific Crest	5-15	13.20	5.44	7.76
	12/10/2020	Pacific Crest			5.30	7.90
	12/21/2020	Pacific Crest			4.46	8.74
	1/14/2021	Pacific Crest			3.69	9.51
	4/26/2021	Pacific Crest			6.34	6.86
	7/28/2021	Pacific Crest			7.65	5.55
	9/1/2021	Pacific Crest			7.91	5.29
	12/14/2021	Pacific Crest			4.09	9.11
	3/22/2022	Pacific Crest			4.60	8.60
	6/23/2022	Pacific Crest			5.59	7.61
	9/7/2022	Pacific Crest			7.51	5.69

NOTES:
btoc = below top of casing
amsl = above mean sea level
NM = not measured
K&S = K&S Environmental, Inc.
C&A = Coles & Associates, LLC
Pacifc Crest = Pacific Crest Environmental, LLC

Table 2
Groundwater Quality Parameters Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Location ID	ISCO Treatment	Sample ID	Sample Date	Measured By	Groundwater Quality Parameters				
					Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-1	Pre-treatment	MW-1 (020612)	2/6/2012	C&A	12.2	0.500	0.83	6.24	15
		MW-1 (052112)	5/21/2012	C&A	12.3	0.387	0.83	6.17	-45
		MW-1 (082712)	8/27/2012	C&A	16.2	0.443	0.73	6.72	-35
		MW-1 (120512)	12/5/2012	C&A	12.2	0.419	0.68	6.11	-21
		MW-1 (022513)	2/25/2013	C&A	11.6	0.546	0.53	5.66	174
		MW1-011717	1/17/2017	Pacific Crest	12.17	0.482	--	--	-45.2
	Post-treatment	MW1-051117	5/11/2017	Pacific Crest	12.25	4.003	0.20	6.86	-92.5
		MW1-080817	8/8/2017	Pacific Crest	15.31	1.391	0.03	7.84	-185.3
		MW1-120717	12/7/2017	Pacific Crest	14.12	1.103	0.27	6.29	-95.5
		MW1-032618	3/26/2018	Pacific Crest	11.63	1.332	0.46	6.43	-91.9
		MW1-061418	6/14/2018	Pacific Crest	13.45	0.987	0.01	6.81	-138.7
		MW1-092018	9/20/2018	Pacific Crest	16.10	1.853	0.14	6.53	-207.6
		MW1-120418	12/4/2018	Pacific Crest	13.97	0.729	0.20	5.97	-126.5
		MW1-031319	3/13/2019	Pacific Crest	11.04	0.796	0.39	6.15	153.0
		MW1-060619	6/6/2019	Pacific Crest	13.34	0.473	0.40	5.93	-38.1
		MW1-091719	9/17/2019	Pacific Crest	16.22	0.546	0.18	6.41	-198.7
		MW1-111919	11/19/2019	Pacific Crest	14.20	0.564	0.60	6.09	-43.2
		MW1-062920	6/29/2020	Pacific Crest	14.42	0.508	0.22	6.40	-179.8
		MW1-092420	9/24/2020	Pacific Crest	16.33	0.460	0.43	6.73	-57.6
		MW1-011421	1/14/2021	Pacific Crest	12.90	0.551	0.19	6.00	88.7
		MW1-042621	4/26/2021	Pacific Crest	11.8	0.304	1.16	5.75	-85.6
		MW1-072821	7/28/2021	Pacific Crest	15.5	0.421	-0.08	6.41	-80.8
		MW1-090121	9/1/2021	Pacific Crest	15.4	0.418	0.12	6.40	-65.7
		MW1-121421	12/14/2021	Pacific Crest	12.8	0.704	0.36	6.19	8.2
		MW1-032222	3/22/2022	Pacific Crest	11.8	0.403	0.22	6.08	9.6
		MW1-062322	6/23/2022	Pacific Crest	13.5	0.444	0.26	6.09	128.7
		MW1-090822	9/8/2022	Pacific Crest	15.2	0.2801	0.21	6.63	-101.1
MW-2	Pre-treatment	MW-2 (020612)	2/6/2012	C&A	12.7	0.308	1.19	6.32	-21
		MW-2 (052112)	5/21/2012	C&A	12.7	0.387	1.03	6.29	-44
		MW-2 (082912)	8/29/2012	C&A	15.6	0.314	0.34	7.41	-40
		MW-2 (120412)	12/4/2012	C&A	12.1	0.206	0.00	6.26	-9
		MW-2 (022513)	2/25/2013	C&A	10.5	0.190	0.78	6.32	95
		MW2-011717	1/17/2017	Pacific Crest	10.42	0.101	--	--	49.4
	Post-treatment	MW2-051117	5/11/2017	Pacific Crest	12.39	0.198	0.14	7.53	-125.1
		MW2-080817	8/8/2017	Pacific Crest	14.45	0.661	0.05	7.68	-170.3
		MW2-120717	12/7/2017	Pacific Crest	12.70	0.211	1.03	6.00	24.4
		MW2-032618	3/26/2018	Pacific Crest	10.42	0.157	0.47	6.44	-60.5
		MW2-061418	6/14/2018	Pacific Crest	12.10	0.154	0.05	7.04	-111.4
		MW2-092018	9/20/2018	Pacific Crest	14.48	0.823	0.13	6.85	-224.7
		MW2-120418	12/4/2018	Pacific Crest	12.64	0.205	1.08	4.13	-53.0
		MW2-031319	3/13/2019	Pacific Crest	10.03	0.115	0.19	6.37	107.2
		MW2-060619	6/6/2019	Pacific Crest	12.63	0.210	0.11	6.26	-8.7
		MW2-091719	9/17/2019	Pacific Crest	15.25	0.353	0.22	6.73	-195.1
		MW2-111919	11/19/2019	Pacific Crest	13.50	0.188	0.65	6.33	-66.0
		MW2-062920	6/29/2020	Pacific Crest	13.45	0.106	0.61	6.52	-171.0
		MW2-092420	9/24/2020	Pacific Crest	14.91	0.199	0.97	6.76	-27.7
		CONVERTED TO REMEDIATION WELL 12/7/2020							
MW-3	Not Applicable	MW-3 (020612)	2/6/2012	C&A	12.8	0.432	0.75	6.70	-60
		MW-3 (052112)	5/21/2012	C&A	11.2	0.423	1.27	6.70	-69
		MW-3 (082812)	8/28/2012	C&A	15.0	0.471	0.59	7.25	-68
		MW-3 (120412)	12/4/2012	C&A	12.7	0.292	0.68	6.66	-65
		MW-3 (022513)	2/25/2013	C&A	10.1	0.580	0.33	6.41	108
		DECOMMISSIONED 1/30/2017							

Table 2
Groundwater Quality Parameters Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Location ID	ISCO Treatment	Sample ID	Sample Date	Measured By	Groundwater Quality Parameters				
					Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-4	Pre-treatment	MW-4 (020612)	2/6/2012	C&A	11.7	0.119	2.65	6.87	13
		MW-4 (052112)	5/21/2012	C&A	10.8	0.081	2.47	6.90	-44
		MW-4 (082712)	8/27/2012	C&A	15.3	0.256	1.75	6.70	-77
		MW-4 (120312)	12/3/2012	C&A	13.2	0.084	2.50	6.78	-30
		MW-4 (022513)	2/25/2013	C&A	10.2	0.072	2.23	7.08	65
	Post-treatment	MW4-051117	5/11/2017	Pacific Crest	11.51	0.383	2.22	7.94	-92.8
		MW4-080817	8/8/2017	Pacific Crest	13.71	1.520	0.04	7.76	-125.0
		MW4-120717	12/7/2017	Pacific Crest	14.33	0.289	5.58	6.98	35.7
		MW4-032618	3/26/2018	Pacific Crest	10.36	0.131	4.03	7.68	-7.6
		MW4-061418	6/14/2018	Pacific Crest	10.54	0.145	0.89	7.87	-113.7
		MW4-092018	9/20/2018	Pacific Crest	14.63	0.573	0.06	7.67	-196.8
		MW4-120418	12/4/2018	Pacific Crest	12.34	0.270	2.96	5.35	-108.2
		MW4-031219	3/12/2019	Pacific Crest	10.47	0.119	2.31	6.83	62.7
		MW4-060619	6/6/2019	Pacific Crest	11.73	0.252	0.33	7.65	23.4
		MW4-091819	9/18/2019	Pacific Crest	13.64	0.683	0.73	7.65	-125.6
		MW4-111919	11/19/2019	Pacific Crest	13.60	0.252	0.63	8.58	-180.7
		MW4-062920	6/29/2020	Pacific Crest	12.44	0.209	0.60	8.03	-93.2
		MW4-092320	9/23/2020	Pacific Crest	13.90	0.362	0.41	7.04	-47.1
		CONVERTED TO REMEDIATION WELL 12/7/2020							
MW-5	Pre-treatment	MW-5 (020612)	2/6/2012	C&A	11.9	0.143	3.05	6.14	164
		MW-5 (052112)	5/21/2012	C&A	10.9	0.269	2.75	6.54	2
		MW-5 (082712)	8/27/2012	C&A	14.5	0.401	1.41	6.67	-1
		MW-5(120312)	12/3/2012	C&A	12.8	0.112	3.18	5.96	51
		MW-5 (022513)	2/25/2013	C&A	10.4	0.103	1.36	6.16	102
	Post-treatment	MW5-051117	5/11/2017	Pacific Crest	11.57	4.568	0.49	8.87	-137.6
		MW5-080817	8/8/2017	Pacific Crest	13.79	0.846	0.18	9.94	-68.5
		MW5-120717	12/7/2017	Pacific Crest	14.11	0.960	1.81	7.78	57.5
		MW5-032618	3/26/2018	Pacific Crest	11.36	0.385	0.55	8.51	-24.7
		MW5-061418	6/14/2018	Pacific Crest	12.52	0.247	0.29	8.59	-64.0
		MW5-092018	9/20/2018	Pacific Crest	14.23	4.737	0.12	7.02	-174.4
		MW5-120418	12/4/2018	Pacific Crest	13.00	0.754	1.77	5.94	-91.2
		MW5-031219	3/12/2019	Pacific Crest	11.54	0.237	1.18	6.94	49.1
		MW5-060619	6/6/2019	Pacific Crest	12.44	0.248	0.23	7.01	-16.1
		MW5-091819	9/18/2019	Pacific Crest	14.14	1.280	0.47	7.18	-196.3
		MW5-111919	11/19/2019	Pacific Crest	13.80	0.321	0.70	6.79	-96.2
		MW5-062920	6/29/2020	Pacific Crest	13.16	0.204	0.33	6.65	-96.2
		MW5-092320	9/23/2020	Pacific Crest	13.89	0.495	0.58	7.12	-39.3
		CONVERTED TO REMEDIATION WELL 12/7/2020							
MW-6	Pre-treatment	MW-6 (020612)	2/6/2012	C&A	13.7	0.660	1.32	6.38	-37
		MW-6 (052112)	5/21/2012	C&A	13.5	0.823	0.92	6.29	-8
		MW-6 (082812)	8/28/2012	C&A	16.9	0.515	0.67	7.23	-66
		MW-6 (120412)	12/4/2012	C&A	14.4	0.280	1.42	6.50	-44
		MW-6 (022513)	2/25/2013	C&A	11.6	0.585	0.50	5.36	127
		MW6-011717	1/17/2017	Pacific Crest	13.78	0.721	--	--	7.7
	Post-treatment	MW6-051117	5/11/2017	Pacific Crest	13.61	3.126	1.13	6.86	-96.1
		MW6-080817	8/8/2017	Pacific Crest	16.45	1.605	0.12	7.14	-154.2
		MW6-120717	12/7/2017	Pacific Crest	15.99	1.112	0.33	6.30	10.9
		MW6-032618	3/26/2018	Pacific Crest	13.47	1.550	0.31	6.55	-125.5
		MW6-061418	6/14/2018	Pacific Crest	14.35	1.265	0.80	6.72	-122.5
		MW6-092018	9/20/2018	Pacific Crest	17.62	2.343	0.19	6.79	-164.3
		MW6-120418	12/4/2018	Pacific Crest	14.83	1.295	0.19	6.70	-194.0
		MW6-031219	3/12/2019	Pacific Crest	13.48	1.458	0.15	5.88	132.8
		MW6-060619	6/6/2019	Pacific Crest	15.22	0.796	0.54	6.24	8.6
		MW6-091719	9/17/2019	Pacific Crest	16.90	0.747	0.28	6.72	-235.0
		MW6-111819	11/18/2019	Pacific Crest	15.40	0.588	0.75	6.52	-70.1
		MW6-062920	6/29/2020	Pacific Crest	15.47	0.674	0.41	6.41	-95.1
		MW6-092320	9/23/2020	Pacific Crest	16.40	0.648	0.30	6.89	-52.9
		MW6-011421	1/14/2021	Pacific Crest	15.10	0.612	0.29	6.18	17.3
		MW6-042621	4/26/2021	Pacific Crest	14.0	0.405	1.03	6.09	-137.2
		MW6-072821	7/28/2021	Pacific Crest	16.0	0.436	0.02	6.70	-69.5
		MW6-090121	9/1/2021	Pacific Crest	16.5	0.458	0.78	6.71	-68.5
		MW6-121421	12/14/2021	Pacific Crest	14.7	0.803	0.27	6.13	-11.2
		MW6-032222	3/22/2022	Pacific Crest	13.8	0.479	0.19	6.24	-110.7
		MW6-062322	6/23/2022	Pacific Crest	15.2	0.457	0.24	6.23	-100.1
		MW6-090722	9/7/2022	Pacific Crest	16.5	0.4401	7.39	6.65	-108.5

Table 2
Groundwater Quality Parameters Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

					Groundwater Quality Parameters				
Location ID	ISCO Treatment	Sample ID	Sample Date	Measured By	Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-7	Pre-treatment	MW-7 (020612)	2/6/2012	C&A	12.8	0.446	1.35	6.34	13
		MW-7 (052112)	5/21/2012	C&A	12.9	0.438	0.75	6.33	-60
		MW-7 (082712)	8/27/2012	C&A	16.3	0.477	0.49	6.67	-70
		MW-7 (120312)	12/3/2012	C&A	13.8	0.395	0.83	6.10	-21
		MW-7 (022513)	2/25/2013	C&A	10.6	0.356	0.58	5.56	83
		MW7-013117	1/31/2017	Pacific Crest	11.96	0.258	0.17	6.16	28.5
	Post-treatment	MW7-051017	5/10/2017	Pacific Crest	13.78	5.249	0.49	6.28	-110.8
		MW7-080817	8/8/2017	Pacific Crest	15.46	2.847	0.10	6.71	-186.8
		MW7-120717	12/7/2017	Pacific Crest	14.91	0.343	1.08	5.81	63.2
		MW7-032618	3/26/2018	Pacific Crest	12.13	0.272	0.86	6.25	-61.7
		MW7-061418	6/14/2018	Pacific Crest	13.83	0.535	0.33	6.51	-141.2
		MW7-092018	9/20/2018	Pacific Crest	16.03	1.574	0.10	6.69	-225.4
		MW7-120418	12/4/2018	Pacific Crest	14.49	0.919	0.10	7.17	-211.9
		MW7-031219	3/12/2019	Pacific Crest	12.72	0.228	1.84	5.20	180.9
		MW7-060619	6/6/2019	Pacific Crest	15.16	0.578	0.08	6.33	-86.3
		MW7-091719	9/17/2019	Pacific Crest	16.50	0.812	0.20	6.82	-309.4
		MW7-111819	11/18/2019	Pacific Crest	14.90	0.792	0.63	6.66	-104.1
		MW7-062920	6/29/2020	Pacific Crest	14.62	0.577	0.39	6.52	-242.5
		MW7-092320	9/23/2020	Pacific Crest	15.93	0.719	0.69	6.94	-58.5
		CONVERTED TO REMEDIATION WELL 12/7/2020							
MW-8	Pre-treatment	MW-8 (020612)	2/6/2012	C&A	14.3	0.302	3.60	6.36	108
		MW-8 (052112)	5/21/2012	C&A	13.9	0.309	1.83	6.37	33
		MW-8 (082812)	8/28/2012	C&A	16.4	0.316	0.58	7.31	-50
		MW-8 (120412)	12/4/2012	C&A	14.4	0.375	1.42	6.25	10
		MW-8 (022513)	2/25/2013	C&A	11.2	0.292	0.89	5.91	118
	Post-treatment	MW8-051017	5/10/2017	Pacific Crest	15.35	5.411	0.26	6.51	-103.6
		MW8-080817	8/8/2017	Pacific Crest	16.40	1.027	0.07	7.29	-127.4
		MW8-120717	12/7/2017	Pacific Crest	16.26	0.969	0.55	6.68	35.6
		MW8-032618	3/26/2018	Pacific Crest	13.19	1.021	0.56	7.08	-19.5
		MW8-061418	6/14/2018	Pacific Crest	14.94	0.674	0.52	6.79	-55.9
		MW8-092018	9/20/2018	Pacific Crest	17.48	1.106	0.06	6.99	-205.1
		MW8-120418	12/4/2018	Pacific Crest	15.12	0.600	0.21	5.77	-180.6
		MW8-031219	3/12/2019	Pacific Crest	13.98	0.647	0.45	6.58	163.6
		MW8-060619	6/6/2019	Pacific Crest	15.73	0.525	0.23	6.01	44.2
		MW8-091719	9/17/2019	Pacific Crest	17.08	0.397	0.18	6.66	-91.7
		MW8-111919	11/19/2019	Pacific Crest	15.40	0.425	0.78	6.52	-65.8
		MW8-062920	6/29/2020	Pacific Crest	15.59	0.410	0.36	6.57	-63.0
		MW8-092320	9/23/2020	Pacific Crest	16.84	0.348	0.52	6.76	-41.1
		MW8-011421	1/14/2021	Pacific Crest	15.00	0.436	0.59	6.49	204.8
		MW8-042621	4/26/2021	Pacific Crest	14.1	0.253	1.78	6.39	43.9
		MW8-072821	7/28/2021	Pacific Crest	15.7	0.269	-0.03	6.52	25.9
		MW8-090121	9/1/2021	Pacific Crest	16.7	0.259	0.18	6.59	-26.1
		MW8-121421	12/14/2021	Pacific Crest	15.3	0.532	0.34	6.55	45.2
		MW8-032222	3/22/2022	Pacific Crest	13.8	0.257	1.44	6.45	113.9
		MW8-062322	6/23/2022	Pacific Crest	14.6	0.272	1.61	6.41	99.8
		MW8-090722	9/7/2022	Pacific Crest	17.0	0.2315	4.20	6.53	-25.3

Table 2
Groundwater Quality Parameters Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Location ID	ISCO Treatment	Sample ID	Sample Date	Measured By	Groundwater Quality Parameters				
					Temperature (°C)	Specific Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH	Oxidation Reduction Potential (mV)
MW-9	Pre-treatment	MW-9 (020612)	2/6/2012	C&A	12.3	0.287	2.06	6.33	21
		MW-9 (052112)	5/21/2012	C&A	11.7	0.304	1.35	6.35	-25
		MW-9 (082712)	8/27/2012	C&A	15.2	0.297	0.65	6.61	-62
		MW-9 (120312)	12/3/2012	C&A	12.7	0.405	2.27	6.29	-20
		MW-9 (022513)	2/25/2013	C&A	10.4	0.304	1.14	5.81	97
		MW9-011717	1/17/2017	Pacific Crest	12.63	0.313	--	--	-35.8
	Post-treatment	MW9-051017	5/10/2017	Pacific Crest	12.75	0.924	0.60	6.22	-105.5
		MW9-080817	8/8/2017	Pacific Crest	14.39	1.491	0.44	5.83	-78.5
		MW9-120717	12/7/2017	Pacific Crest	14.39	0.963	3.37	5.86	17.8
		MW9-032718	3/27/2018	Pacific Crest	11.98	1.334	2.18	6.34	77.1
		MW9-061418	6/14/2018	Pacific Crest	14.00	1.223	0.22	6.23	-31.6
		MW9-092018	9/20/2018	Pacific Crest	15.13	1.625	0.07	6.64	-207.4
		MW9-120418	12/4/2018	Pacific Crest	12.76	0.357	4.40	4.06	-83.5
		MW9-031219	3/12/2019	Pacific Crest	12.47	0.268	3.07	6.31	54.4
		MW9-060619	6/6/2019	Pacific Crest	12.94	1.103	0.10	6.87	-22.8
		MW9-091819	9/18/2019	Pacific Crest	15.00	0.205	7.78	6.45	125.0
		MW9-111919	11/19/2019	Pacific Crest	13.80	0.708	1.51	6.35	-65.3
		MW9-062920	6/29/2020	Pacific Crest	13.49	0.819	0.28	6.74	-140.9
		MW9-092320	9/23/2020	Pacific Crest	14.33	0.454	3.52	6.97	-18.2
		MW9-122120	12/21/2020	Pacific Crest	12.7	0.300	6.20	6.06	184.7
		MW9-011421	1/14/2021	Pacific Crest	11.7	0.574	5.54	5.91	183.6
		MW9-042621	4/26/2021	Pacific Crest	12.4	0.391	0.99	6.35	-136.7
		MW9-072821	7/28/2021	Pacific Crest	13.9	0.710	-0.14	6.83	-95.7
		MW9-090121	9/1/2021	Pacific Crest	13.9	0.719	0.06	7.49	-123.4
		MW9-121421	12/14/2021	Pacific Crest	11.9	0.407	7.38	5.58	273.0
		MW9-032222	3/22/2022	Pacific Crest	11.6	0.177	7.00	5.78	149.0
		MW9-062322	6/23/2022	Pacific Crest	13.0	0.216	1.21	5.96	21.8
		MW9-090722	9/7/2022	Pacific Crest	14.3	0.2354	0.78	6.79	-62.6
MW-10	Post-treatment	MW10-122120	12/21/2020	Pacific Crest	13.1	0.315	2.33	6.49	68.1
		MW10-011421	1/14/2021	Pacific Crest	11.8	0.314	7.85	6.55	181.3
		MW10-042621	4/26/2021	Pacific Crest	10.1	0.157	4.64	6.57	-27.9
		MW10-072821	7/28/2021	Pacific Crest	13.3	0.227	-0.08	7.38	-109.5
		MW10-090121	9/1/2021	Pacific Crest	13.7	0.380	0.16	7.06	-102.3
		MW10-121421	12/14/2021	Pacific Crest	12.2	0.401	6.63	6.49	142.5
		MW10-032222	3/22/2022	Pacific Crest	10.5	0.225	6.27	6.21	107.7
		MW10-062322	6/23/2022	Pacific Crest	11.6	0.119	5.60	6.27	64.6
		MW10-090722	9/7/2022	Pacific Crest	13.8	0.1701	0.24	7.06	-105.9
MW-11	Post-treatment	MW11-122120	12/21/2020	Pacific Crest	13.2	0.482	4.73	6.66	83.2
		MW11-011421	1/14/2021	Pacific Crest	11.4	0.621	8.34	6.86	121.8
		MW11-042621	4/26/2021	Pacific Crest	12.6	0.207	3.61	6.10	-2.2
		MW11-072821	7/28/2021	Pacific Crest	15.4	0.362	-0.08	6.67	-57.0
		MW11-090121	9/1/2021	Pacific Crest	15.9	0.403	0.12	6.58	-52.8
		MW11-124121	12/14/2021	Pacific Crest	12.5	0.617	6.17	6.89	147.5
		MW11-032222	3/22/2022	Pacific Crest	11.6	0.243	4.56	6.44	69.0
		MW11-062322	6/23/2022	Pacific Crest	13.5	0.198	3.82	6.30	51.6
		MW11-090722	9/7/2022	Pacific Crest	15.7	0.2225	0.66	6.48	-45.0
MW-12	Post-treatment	MW12-122120	12/21/2020	Pacific Crest	11.6	0.270	9.03	6.63	132.4
		MW12-011421	1/14/2021	Pacific Crest	10.4	0.247	10.75	6.49	182.7
		MW12-042621	4/26/2021	Pacific Crest	10.7	0.194	2.96	6.02	-18.6
		MW12-072821	7/28/2021	Pacific Crest	14.4	0.728	-0.07	6.67	-73.6
		MW12-090121	9/1/2021	Pacific Crest	14.7	0.984	0.04	7.42	-154.2
		MW12-121421	12/14/2021	Pacific Crest	11.2	0.401	9.50	6.66	188.3
		MW12-032222	3/22/2022	Pacific Crest	10.7	0.110	8.76	6.62	153.8
		MW12-062322	6/23/2022	Pacific Crest	12.4	0.12	6.75	6.70	43.4
		MW12-090822	9/8/2022	Pacific Crest	14.5	0.2644	0.31	6.52	-30.2

NOTES:

°C = degrees celsius

mS/cm = millisiemens per centimeter

mg/L = milligrams per liter

mV = millivolts

C&A = Coles & Associates, LLC

Table 3
Groundwater Analytical Results Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	ISCO Treatment	Sample Date	Sampled By	Screened Interval (feet[1])	Groundwater Analytical Results (micrograms per liter)						
					GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]	Naphthalene[3]	1,2,4-trimethylbenzene[3]
MW-1	Pre-treatment	6/17/2010	K&S	5-15	**31,700**	0.880	77.2	408	6,010	266	1,810
		11/10/2010	K&S		9,120	<5.00	20	160	2,300	53	623
		3/23/2011	K&S		**72,500**	3.19	106	614	12,500	460	3,900
		2/8/2012	C&A		**45,300**	0.870	60.6	478	9,150	324	2,860
		5/22/2012	C&A		**44,500**	4.85	37.0	495	10,400	467	3,240
		8/27/2012	C&A		**28,000**	<5.0	34.2	406	5,280	240	1,950
		12/5/2012	C&A		**25,800**	<5.0	<20.0	244	4,610	192	2,170
		2/27/2013	C&A		**56,900**	<5.0	33.6	471	9,090	**551**	3,810
		1/17/2017	Pacific Crest		**54,000**	<20	<100	200	3,600	380	3,300
	Post-treatment	WELL REDEVELOPED 5/11/2017			-	-	-	-	-	-	-
		5/11/2017	Pacific Crest		**19,600**	<2.0	<10.0	24.1	384	44.9	768
		8/8/2017	Pacific Crest		12,300	<2.0	<10.0	64.0	361	49.1	694
		12/7/2017	Pacific Crest		**17,000**	<0.2	<1.0	174.0	995	126	843
		3/26/2018	Pacific Crest		**19,800**	2.99	<10.0	193.0	738	131	1,000
		6/14/2018	Pacific Crest		**18,600**	<2.00	<10.0	272	396	182	1,480
		9/20/2018	Pacific Crest		13,800	<2.00	<10.0	187	107	150	1,030
		12/4/2018	Pacific Crest		10,300	<2.00	<10.0	114	263	82.6	671
		3/13/2019	Pacific Crest		1,140	<0.200	<1.00	3.79	12.3	3.10	34.8
		6/6/2019	Pacific Crest		2,680	0.420	<1.00	50.6	60.5	24.7	124
		9/17/2019	Pacific Crest		9,340	1.10	6.55	191	643	97.2	678
		11/19/2019	Pacific Crest		5,090	<1.00	<5.00	35.4	268	49.8	410
		6/29/2020	Pacific Crest		2,030	0.480	<1.00	58.8	49.8	31.9	63.1
		9/24/2020	Pacific Crest		7,680	0.880	9.29	198	552	103	432
		1/14/2021	Pacific Crest		580	<0.200	<1.00	2.22	10.2	7.42	31.6
		4/26/2021	Pacific Crest		752	<0.200	<1.00	8.64	19.7	6.47	49.3
		7/28/2021	Pacific Crest		6,710	<2.00	<10.0	109	580	54.3	564
		9/1/2021	Pacific Crest		5,440	1.34	4.03	101	490	62.6	418
		12/14/2021	Pacific Crest		1,360	0.320	<1.00	21.8	30.2	15.6	107
		3/22/2022	Pacific Crest		768	<0.200	<1.00	8.51	27.9	6.17	47.5
		6/23/2022	Pacific Crest		376	<0.200	<1.00	<0.500	4.23	2.81	3.12
		9/8/2022	Pacific Crest		8,000	0.640	1.85	80.8	387	78.4	724
MW-2	Pre-treatment	6/17/2010	K&S	5-15	**17,500**	<2.5	43.4	160	1,690	317	1,670
		11/10/2010	K&S		**17,600**	<5.0	<20.0	168	1,910	265	1,830
		3/23/2011	K&S		**31,700**	0.920	77.2	384	4,140	329	2,280
		2/7/2012	C&A		**41,700**	4.91	254	702	7,650	386	2,880
		5/21/2012	C&A		**54,200**	<12.5	977	1,150	9,640	380	2,420
		8/29/2012	C&A		11,900	<6.25	<25.0	173	821	170	1,270
		12/4/2012	C&A		12,300	<5.0	<20.0	122	983	134	1,450
		2/26/2013	C&A		**25,600**	<5.0	57.8	402	3,230	302	2,100
		1/17/2017	Pacific Crest		850	<0.40	<2.0	3	25	3.7	50
	Post-treatment	WELL REDEVELOPED 2/1/2017			-	-	-	-	-	-	-
		2/1/2017	Feige		**66,900**	2.38	151	1,270	9,690	411	2,820
		5/11/2017	Pacific Crest		11,300	<2.00	<10.0	<5.00	25.7	<20.0	477
		8/8/2017	Pacific Crest		**29,700**	1.64	<5.00	501	1,430	309	2,630
		12/7/2017	Pacific Crest		2,740	<0.2	<1.0	<0.5	5	<2.0	140
		3/26/2018	Pacific Crest		9,540	<0.2	<1.0	0.761	11.6	35.6	689
		6/14/2018	Pacific Crest		**21,200**	<2.00	<10.0	9.00	73.8	104	1,720
		9/20/2018	Pacific Crest		**37,900**	<2.00	<10.0	151	785	184	2,410
		12/4/2018	Pacific Crest		2,110	<0.200	<1.00	<0.500	3.17	4.83	123
		3/13/2019	Pacific Crest		2,320	<0.400	<2.00	<1.00	4.66	<4.00	163
		6/6/2019	Pacific Crest		**30,400**	<4.00	<20.0	<10.0	49.0	61.0	2,020
		9/17/2019	Pacific Crest		**31,500**	<4.00	<20.0	57.6	280	149	2,670
		11/19/2019	Pacific Crest		14,000	<2.00	<10.0	11.6	57.2	43.6	1,050
		6/29/2020	Pacific Crest		**14,700**	<4.00	<20.0	<10.0	30.6	<80.0	1,200
		9/24/2020	Pacific Crest		6,420	<0.400	<2.00	4.06	17.0	14.4	292
		CONVERTED TO REMEDIATION WELL 12/7/2020									
MW-3	Not Applicable	6/17/2010	K&S	5-15	1,500	0.860	4.12	37.4	250	21.1	95
		11/10/2010	K&S		**13,400**	6.40	433	772	4,180	107	536
		3/23/2011	K&S		**51,900**	8.39	4,250	1,550	8,120	253	1,350
		2/7/2012	C&A		**23,200**	3.09	37.2	1,020	4,250	230	1,560
		5/22/2012	C&A		**20,400**	<1.25	379	728	4,150	242	976
		8/28/2012	C&A		8,950	3.40	15.3	241	1,620	122	632
		12/4/2012	C&A		**18,300**	<5.0	95.2	533	2,390	181	1,690
		2/26/2013	C&A		**41,100**	<5.0	1,460	1,570	7,710	348	1,680
		1/17/2017	Pacific Crest		210	<0.2	<1.0	20	7.3	4.9	2.5
		WELL DECOMMISSIONED 1/30/2017									

Table 3
Groundwater Analytical Results Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	ISCO Treatment	Sample Date	Sampled By	Screened Interval (feet[1])	Groundwater Analytical Results (micrograms per liter)						
					GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]	Naphthalene[3]	1,2,4-trimethylbenzene[3]
MW-4	Pre-treatment	6/17/2010	K&S	8-18	**27,500**	0.330	82.9	308	2,300	253	2,010
		11/10/2010	K&S		**16,500**	<5.0	<20.0	102	1,220	161	1,330
		3/23/2011	K&S		11,500	0.25	<1.0	15.0	161	54.5	647
		2/7/2012	C&A		10,200	<0.25	<1.0	6.55	40.0	38.6	725
		5/22/2012	C&A		8,950	<1.25	<5.0	2.80	19.6	18.5	504
		8/27/2012	C&A		**23,000**	4.45	463	725	5,180	184	1,500
		12/3/2012	C&A		9,120	<5.0	<20.0	159	821	104	879
		2/26/2013	C&A		7,770	<2.5	<10.0	11.3	62.9	24.3	416
	Post-treatment	WELL REDEVELOPED 5/11/2017			-	-	-	-	-	-	-
		5/11/2017	Pacific Crest		5,590	0.250E	<1.00	4.80	14.8	12.1	44.7
		8/8/2017	Pacific Crest		**22,500**	3.70	8.44	942	3,050	50.7	424
		12/7/2017	Pacific Crest		<100	<0.2	<1.0	<0.5	<1.5	<2.0	<1.0
		3/26/2018	Pacific Crest		<100	<0.2	<1.0	<0.5	<1.5	<2.0	<1.0
		6/14/2018	Pacific Crest		2,070	<0.200	<1.00	2.47	6.7	5.12	12.9
		9/20/2018	Pacific Crest		**18,000**	2.01	<10.0	78.0	447	116	919
		12/4/2018	Pacific Crest		5,040	<0.200	<1.00	1.42	4.36	11.4	16.8
		3/12/2019	Pacific Crest		1,070	<0.200	<1.00	0.695	3.01	<2.00	6.98
		6/6/2019	Pacific Crest		894	0.210	<1.00	5.00	23.1	<2.00	23.5
		9/18/2019	Pacific Crest		**20,600**	1.90	10.9	168	731	190	1,280
		11/19/2019	Pacific Crest		3,810	<2.00	<10.0	24.0	131	39.0	205
		6/29/2020	Pacific Crest		7,650	1.58	3.90	110	682	64.4	389
		9/23/2020	Pacific Crest		**25,600**	<2.00	<10.0	582	1,490	337	1,660
		CONVERTED TO REMEDIATION WELL 12/7/2020									
MW-5	Pre-treatment	6/17/2010	K&S	8-18	**48,500**	9.00	433	1,200	5,530	**605**	2,370
		11/10/2010	K&S		**32,200**	<5.00	288	512	3,970	186	1,250
		3/23/2011	K&S		**20,900**	<2.50	47.5	427	2,620	144	835
		2/7/2012	C&A		6,180	<0.250	8.08	144	750	51	215
		5/22/2012	C&A		**23,500**	1.48	27.0	495	3,070	237	934
		8/27/2012	C&A		**35,900**	<2.50	307	1,060	4,790	484	1,850
		12/3/2012	C&A		1,410	<1.25	6.55	12.9	103	<10.0	47.5
		2/26/2013	C&A		5,650	0.25	6.06	70.8	446	33.2	181
	Post-treatment	WELL REDEVELOPED 5/11/2017			-	-	-	-	-	-	-
		5/11/2017	Pacific Crest		**16,600**	2.40	5.55	197	675	101	603
		8/8/2017	Pacific Crest		**51,300**	4.37	29.0	313	2,440	158	2,180
		12/7/2017	Pacific Crest		200	<0.2	<1.0	0.544	7	<2.0	4.91
		3/26/2018	Pacific Crest		1,280	<0.2	<1.0	1.37	10.2	<2.0	17.0
		6/14/2018	Pacific Crest		**22,600**	2.42	10.0	55.7	494	45.3	970
		9/20/2018	Pacific Crest		**68,900**	2.74	50.7	889	4,780	397	2,920
		12/4/2018	Pacific Crest		1,000	<0.200	<1.00	0.617	23.6	<2.00	17.2
		3/12/2019	Pacific Crest		2,550	<0.200	<1.00	0.606	30.9	<2.00	14.2
		6/6/2019	Pacific Crest		**35,900**	<2.00	11.3	86.5	922	49.6	1,220
		9/18/2019	Pacific Crest		**36,900**	3.00	33.2	815	1,880	180	2,230
		11/19/2019	Pacific Crest		**28,800**	<2.00	<10.0	76.1	565	55.1	1,410
		6/29/2020	Pacific Crest		**17,000**	<2.00	<10.0	46.0	350	47.2	714
		9/23/2020	Pacific Crest		**43,800**	<2.00	213	630	4,700	246	2,250
		CONVERTED TO REMEDIATION WELL 12/7/2020									
MW-6	Pre-treatment	6/17/2010	K&S	8-18	12,500	2.12	29.3	631	1,310	298	858
		11/10/2010	K&S		4,430	<5.0	<20.0	145	593	58	542
		3/23/2011	K&S		10,500	<2.5	115	539	898	282	727
		2/6/2012	C&A		**16,400**	3.02	201	882	2,120	291	1,180
		5/21/2012	C&A		**14,800**	<1.25	257	595	1,520	333	927
		8/28/2012	C&A		**20,600**	<2.50	537	943	2,950	369	1,230
		12/4/2012	C&A		6,240	<5.0	<20.0	462	338	182	588
		2/25/2013	C&A		6,820	<2.5	<10.0	325	658	146	562
		1/17/2017	Pacific Crest		3,800	<1.0	7.5	260	251	140	200
	Post-treatment	WELL REDEVELOPED 2/1/2017			-	-	-	-	-	-	-
		2/1/2017	Feige		**16,100**	<2.0	34.4	540	1,080	275	803
		5/11/2017	Pacific Crest		10,500	1.30	<5.00	526	284	274	363
		8/8/2017	Pacific Crest		7,480	1.30	<5.00	533	<7.50	406	97.8
		12/7/2017	Pacific Crest		4,370	3.62	<1.0	290	289	136	87.0
		3/26/2018	Pacific Crest		6,000	2.26	<10.0	492	152	356	111
		6/14/2018	Pacific Crest		**17,700**	<2.00	96.5	998	1,640	314	882
		9/20/2018	Pacific Crest		13,200	<2.00	<10.0	437	1,010	173	786
		12/4/2018	Pacific Crest		**20,700**	3.80	<10.0	428	1,140	432	1,360
		3/12/2019	Pacific Crest		467	<0.200	<1.00	14.0	2.79	35.5	14.7
		6/6/2019	Pacific Crest		5,430	<2.00	<10.0	291	474	97.6	182
		9/17/2019	Pacific Crest		3,000	1.07	<1.00	138	67.8	25.4	74
		11/18/2019	Pacific Crest		2,720	0.810	<1.00	45.3	16.5	87.3	87.8
		6/29/2020	Pacific Crest		4,380	<2.00	<10.0	173	292	119	221
		9/23/2020	Pacific Crest		5,280	0.420	<2.00	494	88.2	206	74.9
		1/14/2021	Pacific Crest		1,640	1.43	<1.00	19.3	12.3	68.6	98.2
		4/26/2021	Pacific Crest		2,080	<0.200	<1.00	133	35.9	129	60.5
		7/28/2021	Pacific Crest		6,550	<2.00	<10.0	304	325	239	380.0
		9/1/2021	Pacific Crest		11,100	<2.00	10.1	221	1,130	342	929
		12/14/2021	Pacific Crest		1,690	0.900	<1.00	66.2	12.6	68.0	70.0
		3/22/2022	Pacific Crest		8,480	0.640	16.6	425	459	327	606
		6/23/2022	Pacific Crest		**15,400**	<2.00	<10.0	743	620	**849**	892
		9/7/2022	Pacific Crest		**16,200**	<1.00	44.4	549	1,610	**655**	1,670

Table 3
Groundwater Analytical Results Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	ISCO Treatment	Sample Date	Sampled By	Screened Interval (feet[1])	Groundwater Analytical Results (micrograms per liter)						
					GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]	Naphthalene[3]	1,2,4-trimethylbenzene[3]
MW-7	Pre-treatment	6/17/2010	K&S	5-15	**84,200**	<25.0	4,580	2,610	15,200	**1,200**	3,440
		11/10/2010	K&S		**61,900**	7.00	2,030	3,080	19,400	**699**	2,700
		3/23/2011	K&S		**81,800**	2.84	4,280	2,500	14,800	438	2,590
		2/7/2012	C&A		**72,900**	2.14	1,700	2,150	15,600	**615**	3,400
		5/21/2012	C&A		**119,000**	<5.00	8,830	4,340	**26,800**	**728**	3,460
		8/27/2012	C&A		**83,000**	<12.5	2,150	3,480	18,100	**750**	3,150
		12/3/2012	C&A		**36,200**	<25.0	484	1,400	9,540	308	1,700
		2/25/2013	C&A		**95,600**	<12.5	4,070	3,420	20,200	440	2,900
		1/31/2017	Pacific Crest		**21,600**	<2.00	162	490	3,390	87.0	591
	Post-treatment	WELL REDEVELOPED 5/10/2017			-	-	-	-	-	-	-
		5/10/2017	Pacific Crest		**116,000**	<10.0	1,060	2,740	15,500	**670**	2,960
		8/8/2017	Pacific Crest		**50,700**	<10.0	<50.0	2,690	7,140	335	1,830
		12/7/2017	Pacific Crest		263	<0.2	<1.0	11.30	15.30	5.01	19
		3/26/2018	Pacific Crest		6,440	<0.2	12.0	251	529	74.8	336
		6/14/2018	Pacific Crest		**33,000**	<10.0	142	1,100	5,450	386	1,400
		9/20/2018	Pacific Crest		**33,300**	2.36	24	988	2,980	420	1,990
		12/4/2018	Pacific Crest		**40,400**	<4.00	45.2	1,010	3,190	531	2,370
		3/12/2019	Pacific Crest		201	<0.200	1.16	11.6	15.4	3.06	13.5
		6/6/2019	Pacific Crest		10,800	<1.00	21.8	461	654	145	648
		9/17/2019	Pacific Crest		**36,100**	3.00	71.8	1,500	5,830	448	2,320
		11/18/2019	Pacific Crest		**45,800**	<10.0	128	2,000	7,720	366	1,940
		6/29/2020	Pacific Crest		10,600	<1.00	24.8	774	1,140	192	646
		9/23/2020	Pacific Crest		**23,700**	2.60	39.6	1,030	3,730	241	1,080
		CONVERTED TO REMEDIATION WELL 12/7/2020									
MW-8	Pre-treatment	6/17/2010	K&S	8-18	<100	<0.25	<0.50	<0.5	<1.5	<2.0	<1.0
		11/10/2010	K&S		<100	<0.25	<1.0	<0.5	<1.5	<2.0	<1.0
		3/23/2011	K&S		<100	<0.25	<1.0	<0.5	<1.5	<2.0	<1.0
		2/6/2012	C&A		<100	<0.25	<1.0	<0.5	<1.5	<2.0	<1.0
		5/21/2012	C&A		<100	<0.25	<1.0	<0.5	<1.5	<2.0	<1.0
		8/28/2012	C&A		<100	<0.25	<1.0	<0.0	<1.5	<2.0	<1.0
		12/4/2012	C&A		<100	<0.25	<1.0	<0.5	<1.5	<2.0	<1.0
		2/25/2013	C&A		<100	<0.25	<1.0	<0.5	<1.5	<2.0	<1.0
	Post-treatment	WELL REDEVELOPED 5/10/2017			-	-	-	-	-	-	-
		5/10/2017	Pacific Crest		<100	0.44	<1.0	<0.500	<1.5	<2.0	<1.0
		8/8/2017	Pacific Crest		<100	<0.20	<1.0	<0.5	<1.5	<2.0	<1.0
		12/7/2017	Pacific Crest		<100	<0.20	<1.0	<0.5	<1.5	<2.0	<1.0
		3/26/2018	Pacific Crest		<100	<0.20	<1.0	<0.5	<1.5	<2.0	<1.0
		6/14/2018	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		9/20/2018	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		12/4/2018	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		3/12/2019	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		6/6/2019	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		9/17/2019	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		11/19/2019	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		6/29/2020	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<4.00	<1.00
		9/23/2020	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<4.00	<1.00
		1/14/2021	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		4/26/2021	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<4.00	<1.00
		7/28/2021	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		9/1/2021	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		12/14/2021	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		3/22/2022	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		6/23/2022	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<4.00	<1.00
		9/7/2022	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
MW-9	Pre-treatment	2/6/2012	C&A	5-20	**43,400**	5.64	16.2	1,660	9,040	395	2,490
		5/23/2012	C&A		**53,600**	<5.0	39.2	1,610	9,830	399	2,340
		8/27/2012	C&A		**40,900**	<6.25	103	1,880	7,320	**508**	2,230
		12/3/2012	C&A		**43,800**	98.5	71.5	2,250	11,900	322	1,940
		2/25/2013	C&A		**43,400**	5.40	140	1,300	7,460	248	2,440
		1/17/2017	Pacific Crest		**34,000**	<20	<100	1,200	6,320	370	2,300

Table 3
Groundwater Analytical Results Summary
Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon
Pacific Crest Project No: 173-002

Well ID	ISCO Treatment	Sample Date	Sampled By	Screened Interval (feet[1])	Groundwater Analytical Results (micrograms per liter)						
					GRO[2]	Benzene[3]	Toluene[3]	Ethylbenzene[3]	Xylenes[3]	Naphthalene[3]	1,2,4-trimethylbenzene[3]
MW-9 (cont.)	Post-treatment	WELL REDEVELOPED 5/10/2017		5-20	-	-	-	-	-	-	-
		5/10/2017	Pacific Crest		**50,100**	<10.0	<50.0	781	3,080	**516**	2,680
		8/8/2017	Pacific Crest		**29,900**	<10.0	59.9	810	4,020	126	1,130
		12/7/2017	Pacific Crest		**28,200**	20.8	<1.0	955	1,560	250	1,860
		3/26/2018	Pacific Crest		4,720	1.15	<2.0	261	4.86	71.6	20.6
		6/14/2018	Pacific Crest		8,890	2.36	<5.0	577	15.30	168	38.5
		9/20/2018	Pacific Crest		7,080	1.54	<2.00	218	96.5	52.3	100
		12/4/2018	Pacific Crest		<100	<0.20	<1.00	3.95	<1.50	<2.00	<1.00
		3/12/2019	Pacific Crest		6,690	0.675	1.29	85.2	228	98.0	155
		6/6/2019	Pacific Crest		9,120	2.74	<5.00	397	225	31.8	273
		9/18/2019	Pacific Crest		1,480	1.91	<1.00	36.8	89.1	27.8	86.4
		11/19/2019	Pacific Crest		**19,600**	40.6	20.8	934	2,020	364	917
		6/29/2020	Pacific Crest		**27,300**	28.0	18.2	1,090	1,950	**589**	1,480
		9/23/2020	Pacific Crest		**16,700**	10.5	76.5	634	1,940	<200	835
		12/21/2020	Pacific Crest		200	<0.200	<1.00	1.40	<1.50	4.59	8.32
		1/14/2021	Pacific Crest		756	0.260	<1.00	15.1	92.9	7.58	48.4
		4/26/2021	Pacific Crest		**39,000**	<5.00	42.5	1,220	5,230	342	2,310
		7/28/2021	Paciific Crest		**26,400**	<2.00	<10.0	587	1,120	360	2,220
		9/1/2021	Pacific Crest		10,900	<2.00	<10.0	178	243	174	848
		12/14/2021	Pacific Crest		<100	<0.200	<1.00	2.30	2.04	3.18	2.30
		3/22/2022	Pacific Crest		1,060	<0.200	<1.00	9.17	38.4	14.7	81.0
		6/23/2022	Pacific Crest		8,180	<2.00	<10.0	176	802	73.1	548
		9/7/2022	Pacific Crest		10,700	0.72	21.1	318	739	174	599
MW-10	Post-treatment	WELL INSTALLED 12/7/2020		5-15							
		12/21/2020	Pacific Crest		8,490	0.400	1.49	7.32	38.5	26.9	485
		1/14/2021	Pacific Crest		1,810	<0.200	<1.00	<0.5000	<1.50	2.33	104
		4/26/2021	Pacific Crest		5,800	<0.200	<1.00	1.81	3.83	10.4	251
		7/28/2021	Pacific Crest		7,340	0.840	<2.00	44.40	121.00	59.6	189
		9/1/2021	Pacific Crest		**74,100**	5.05	3,590	3,020	20,100	512	1,920
		12/14/2021	Pacific Crest		1,280	0.260	<1.00	3.64	4.22	5.45	59.0
		3/22/2022	Pacific Crest		766	<0.200	<1.00	2.83	3.22	2.55	29.9
		6/23/2022	Pacific Crest		1,820	<0.200	<1.00	3.70	5.10	2.86	27.8
		9/7/2022	Pacific Crest		6,470	1.31	1.14	80.7	97.0	111	223.0
MW-11	Post-treatment	WELL INSTALLED 12/7/2020		5-15							
		12/21/2020	Pacific Crest		3,180	<0.200	17.1	30.1	306	23.7	156
		1/14/2021	Pacific Crest		1,530	<0.200	7.39	14.8	122	10.8	90.0
		4/26/2021	Pacific Crest		8,010	1.12	2,430	735	4,740	55.2	469
		7/28/2021	Pacific Crest		**101,000**	7.00	5,740	3100	18,500	**670**	2,270
		9/1/2021	Pacific Crest		**106,000**	6.90	4,730	3,770	22,300	**843**	2,510
		12/14/2021	Pacific Crest		1,310	<0.200	5.01	11.2	78.6	7.44	99.6
		3/22/2022	Pacific Crest		1,150	<0.200	30.8	20.2	124	4.61	54.5
		6/23/2022	Pacific Crest		1,590	0.230	169	84.6	408	12.6	72.5
		9/7/2022	Pacific Crest		**73,500**	2.52	2,310	2,800	17,600	443	2,620
MW-12	Post-treatment	WELL INSTALLED 12/7/2020		5-15							
		12/21/2020	Pacific Crest		237	<0.200	<1.00	<0.500	<1.50	<2.00	1.01
		1/14/2021	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		4/26/2021	Pacific Crest		**25,000**	2.08	<20.0	658	3,160	214	1,670
		7/28/2021	Pacific Crest		**19,400**	<2.00	<10.0	356	1,270	252	1,970
		9/1/2021	Pacific Crest		10,800	2.43	<10.0	66.0	241	99.6	619
		12/14/2021	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		3/22/2022	Pacific Crest		<100	<0.200	<1.00	<0.500	<1.50	<2.00	<1.00
		6/23/2022	Pacific Crest		3,270	<2.00	<10.0	34.3	260	<40.0	236
		9/8/2022	Pacific Crest		13,400	0.910	<1.00	104	338	107	762
Site-Specific Cleanup Level					**14,000**	**1,800**	**220,000**	**4,500**	**23,000**	**500**	**6,300**

NOTES:
[1] feet below top of well casing
[2] Sample analyzed by NWTPH-Gx
[3] Sample analyzed by EPA Method 8260
E = due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
GRO = gasoline range organics
BOLD: indicates detected concentration exceeds Site-specific cleanup level
< = result is less than laboratory practical quantitation limit indicated
NA = not analyzed
K&S = K&S Environmental, Inc.
C&A = Coles & Associates, LLC
Pacific Crest = Pacific Crest Environmental, LLC

APPENDIX A
LABORATORY ANALYTICAL REPORTS

CONDITIONAL CLOSURE REPORT

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

Pacific Crest No: 173-002

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Monday, April 4, 2022

Lauren Carroll
Pacific Crest
1531 Bendigo Blvd PO Box 952
North Bend, WA 98045

RE: A2C1051 - Gary's Cleanup - 173-002

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2C1051, which was received by the laboratory on 3/23/2022 at 9:10:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: cobrien@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler#1	2.3 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Cameron O'Brien, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1-032222	A2C1051-01	Water	03/22/22 14:55	03/23/22 09:10
MW6-032222	A2C1051-02	Water	03/22/22 12:25	03/23/22 09:10
MW8-032222	A2C1051-03	Water	03/22/22 11:45	03/23/22 09:10
MW9-032222	A2C1051-04	Water	03/22/22 15:40	03/23/22 09:10
MW10-032222	A2C1051-05	Water	03/22/22 16:20	03/23/22 09:10
MW11-032222	A2C1051-06	Water	03/22/22 13:20	03/23/22 09:10
MW11-032222 Dup	A2C1051-07	Water	03/22/22 13:20	03/23/22 09:10
MW12-032222	A2C1051-08	Water	03/22/22 14:15	03/23/22 09:10

Apex Laboratories

Cameron O'Brien, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Pacific Crest	Project: Gary's Cleanup	
1531 Bendigo Blvd PO Box 952	Project Number: 173-002	Report ID:
North Bend, WA 98045	Project Manager: Lauren Carroll	A2C1051 - 04 04 22 1356

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW1-032222 (A2C1051-01RE2)				**Matrix: Water**		**Batch: 22C1188**		
Gasoline Range Organics	**768**	---	100	ug/L	1	03/30/22 15:12	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*1*	*03/30/22 15:12*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*98 %*	*50-150 %*		*1*	*03/30/22 15:12*	*NWTPH-Gx (MS)*	
MW6-032222 (A2C1051-02)				**Matrix: Water**		**Batch: 22C1012**		
Gasoline Range Organics	**8480**	---	100	ug/L	1	03/25/22 18:17	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*	*Limits: 50-150 %*		*1*	*03/25/22 18:17*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*98 %*	*50-150 %*		*1*	*03/25/22 18:17*	*NWTPH-Gx (MS)*	
MW8-032222 (A2C1051-03)				**Matrix: Water**		**Batch: 22C1012**		
Gasoline Range Organics	ND	---	100	ug/L	1	03/25/22 18:40	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 92 %*	*Limits: 50-150 %*		*1*	*03/25/22 18:40*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*96 %*	*50-150 %*		*1*	*03/25/22 18:40*	*NWTPH-Gx (MS)*	
MW9-032222 (A2C1051-04)				**Matrix: Water**		**Batch: 22C1024**		
Gasoline Range Organics	**1060**	---	100	ug/L	1	03/25/22 14:27	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 102 %*	*Limits: 50-150 %*		*1*	*03/25/22 14:27*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*110 %*	*50-150 %*		*1*	*03/25/22 14:27*	*NWTPH-Gx (MS)*	
MW10-032222 (A2C1051-05)				**Matrix: Water**		**Batch: 22C1024**		
Gasoline Range Organics	**766**	---	100	ug/L	1	03/25/22 15:22	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 104 %*	*Limits: 50-150 %*		*1*	*03/25/22 15:22*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*111 %*	*50-150 %*		*1*	*03/25/22 15:22*	*NWTPH-Gx (MS)*	
MW11-032222 (A2C1051-06)				**Matrix: Water**		**Batch: 22C1024**		
Gasoline Range Organics	**1150**	---	100	ug/L	1	03/25/22 15:50	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 108 %*	*Limits: 50-150 %*		*1*	*03/25/22 15:50*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*111 %*	*50-150 %*		*1*	*03/25/22 15:50*	*NWTPH-Gx (MS)*	
MW11-032222 Dup (A2C1051-07)				**Matrix: Water**		**Batch: 22C1024**		
Gasoline Range Organics	**2030**	---	100	ug/L	1	03/25/22 16:17	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 109 %*	*Limits: 50-150 %*		*1*	*03/25/22 16:17*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*111 %*	*50-150 %*		*1*	*03/25/22 16:17*	*NWTPH-Gx (MS)*	
MW12-032222 (A2C1051-08)				**Matrix: Water**		**Batch: 22C1024**		

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Cameron O'Brien, Project Manager

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6700 S.W. Sandburg Street
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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW12-032222 (A2C1051-08)				**Matrix: Water**		**Batch: 22C1024**		
Gasoline Range Organics	ND	---	100	ug/L	1	03/25/22 16:45	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits: 50-150 %*	*1*	*03/25/22 16:45*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*112 %*	*50-150 %*	*1*	*03/25/22 16:45*	*NWTPH-Gx (MS)*	

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW1-032222 (A2C1051-01RE1)				**Matrix: Water**		**Batch: 22C1079**		
Benzene	ND	---	0.200	ug/L	1	03/29/22 00:46	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/29/22 00:46	EPA 8260D	
Ethylbenzene	**8.51**	---	0.500	ug/L	1	03/29/22 00:46	EPA 8260D	
Xylenes, total	**27.9**	---	1.50	ug/L	1	03/29/22 00:46	EPA 8260D	
Naphthalene	**6.17**	---	2.00	ug/L	1	03/29/22 00:46	EPA 8260D	
1,2,4-Trimethylbenzene	**47.5**	---	1.00	ug/L	1	03/29/22 00:46	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*03/29/22 00:46*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*03/29/22 00:46*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*03/29/22 00:46*	*EPA 8260D*	
MW6-032222 (A2C1051-02)				**Matrix: Water**		**Batch: 22C1012**		
Benzene	**0.640**	---	0.200	ug/L	1	03/25/22 18:17	EPA 8260D	
Toluene	**16.6**	---	1.00	ug/L	1	03/25/22 18:17	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	03/25/22 18:17	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*03/25/22 18:17*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*03/25/22 18:17*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*03/25/22 18:17*	*EPA 8260D*	
MW6-032222 (A2C1051-02RE1)				**Matrix: Water**		**Batch: 22C1079**		
Ethylbenzene	**425**	---	5.00	ug/L	10	03/29/22 01:08	EPA 8260D	
Xylenes, total	**459**	---	15.0	ug/L	10	03/29/22 01:08	EPA 8260D	
Naphthalene	**327**	---	20.0	ug/L	10	03/29/22 01:08	EPA 8260D	
1,2,4-Trimethylbenzene	**606**	---	10.0	ug/L	10	03/29/22 01:08	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*03/29/22 01:08*	*EPA 8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*03/29/22 01:08*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*03/29/22 01:08*	*EPA 8260D*	
MW8-032222 (A2C1051-03RE1)				**Matrix: Water**		**Batch: 22C1079**		
Benzene	ND	---	0.200	ug/L	1	03/29/22 00:23	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/29/22 00:23	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/29/22 00:23	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	03/29/22 00:23	EPA 8260D	
Naphthalene	ND	---	2.00	ug/L	1	03/29/22 00:23	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/29/22 00:23	EPA 8260D	

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW8-032222 (A2C1051-03RE1)				**Matrix: Water**		**Batch: 22C1079**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*03/29/22 00:23*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*03/29/22 00:23*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*03/29/22 00:23*	*EPA 8260D*	
MW9-032222 (A2C1051-04)				**Matrix: Water**		**Batch: 22C1024**		
Benzene	ND	---	0.200	ug/L	1	03/25/22 14:27	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/25/22 14:27	EPA 8260D	
Ethylbenzene	**9.17**	---	0.500	ug/L	1	03/25/22 14:27	EPA 8260D	
Xylenes, total	**38.4**	---	1.50	ug/L	1	03/25/22 14:27	EPA 8260D	
Naphthalene	**14.7**	---	2.00	ug/L	1	03/25/22 14:27	EPA 8260D	
1,2,4-Trimethylbenzene	**81.0**	---	1.00	ug/L	1	03/25/22 14:27	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*03/25/22 14:27*	*EPA 8260D*	
Toluene-d8 (Surr)			*106 %*	*80-120 %*	*1*	*03/25/22 14:27*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*91 %*	*80-120 %*	*1*	*03/25/22 14:27*	*EPA 8260D*	
MW10-032222 (A2C1051-05)				**Matrix: Water**		**Batch: 22C1024**		
Benzene	ND	---	0.200	ug/L	1	03/25/22 15:22	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/25/22 15:22	EPA 8260D	
Ethylbenzene	**2.83**	---	0.500	ug/L	1	03/25/22 15:22	EPA 8260D	
Xylenes, total	**3.22**	---	1.50	ug/L	1	03/25/22 15:22	EPA 8260D	
Naphthalene	**2.55**	---	2.00	ug/L	1	03/25/22 15:22	EPA 8260D	
1,2,4-Trimethylbenzene	**29.9**	---	1.00	ug/L	1	03/25/22 15:22	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*03/25/22 15:22*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*03/25/22 15:22*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*89 %*	*80-120 %*	*1*	*03/25/22 15:22*	*EPA 8260D*	
MW11-032222 (A2C1051-06)				**Matrix: Water**		**Batch: 22C1024**		
Benzene	ND	---	0.200	ug/L	1	03/25/22 15:50	EPA 8260D	
Toluene	**30.8**	---	1.00	ug/L	1	03/25/22 15:50	EPA 8260D	
Ethylbenzene	**20.2**	---	0.500	ug/L	1	03/25/22 15:50	EPA 8260D	
Xylenes, total	**124**	---	1.50	ug/L	1	03/25/22 15:50	EPA 8260D	
Naphthalene	**4.61**	---	2.00	ug/L	1	03/25/22 15:50	EPA 8260D	
1,2,4-Trimethylbenzene	**54.5**	---	1.00	ug/L	1	03/25/22 15:50	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*03/25/22 15:50*	*EPA 8260D*	

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW11-032222 (A2C1051-06)				**Matrix: Water**		**Batch: 22C1024**		
Surrogate: Toluene-d8 (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*03/25/22 15:50*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*91 %*	*80-120 %*	*1*	*03/25/22 15:50*	*EPA 8260D*	
MW11-032222 Dup (A2C1051-07)				**Matrix: Water**		**Batch: 22C1024**		
Benzene	ND	---	0.200	ug/L	1	03/25/22 16:17	EPA 8260D	
Toluene	**17.8**	---	1.00	ug/L	1	03/25/22 16:17	EPA 8260D	
Ethylbenzene	**25.2**	---	0.500	ug/L	1	03/25/22 16:17	EPA 8260D	
Xylenes, total	**154**	---	1.50	ug/L	1	03/25/22 16:17	EPA 8260D	
Naphthalene	**10.6**	---	2.00	ug/L	1	03/25/22 16:17	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*03/25/22 16:17*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*03/25/22 16:17*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*90 %*	*80-120 %*	*1*	*03/25/22 16:17*	*EPA 8260D*	
MW11-032222 Dup (A2C1051-07RE1)				**Matrix: Water**		**Batch: 22C1082**		
1,2,4-Trimethylbenzene	**98.9**	---	2.00	ug/L	2	03/28/22 21:45	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*03/28/22 21:45*	*EPA 8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*03/28/22 21:45*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*88 %*	*80-120 %*	*1*	*03/28/22 21:45*	*EPA 8260D*	
MW12-032222 (A2C1051-08)				**Matrix: Water**		**Batch: 22C1024**		
Benzene	ND	---	0.200	ug/L	1	03/25/22 16:45	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	03/25/22 16:45	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	03/25/22 16:45	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	03/25/22 16:45	EPA 8260D	
Naphthalene	ND	---	2.00	ug/L	1	03/25/22 16:45	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	03/25/22 16:45	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*03/25/22 16:45*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*03/25/22 16:45*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*03/25/22 16:45*	*EPA 8260D*	

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ANALYTICAL REPORT

Pacific Crest	Project: Gary's Cleanup	
1531 Bendigo Blvd PO Box 952	Project Number: 173-002	Report ID:
North Bend, WA 98045	Project Manager: Lauren Carroll	A2C1051 - 04 04 22 1356

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1012 - EPA 5030B												Water
Blank (22C1012-BLK1)			Prepared: 03/25/22 08:00 Analyzed: 03/25/22 09:59									
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*100 %*	*50-150 %*			*"*					
LCS (22C1012-BS2)			Prepared: 03/25/22 08:00 Analyzed: 03/25/22 09:36									
NWTPH-Gx (MS)												
Gasoline Range Organics	451	---	100	ug/L	1	500	---	90	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 90 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*99 %*	*50-150 %*			*"*					
Duplicate (22C1012-DUP1)			Prepared: 03/25/22 10:00 Analyzed: 03/25/22 16:02									
QC Source Sample: Non-SDG (A2C1041-02)												
Gasoline Range Organics	**3110**	---	1000	ug/L	10	---	3130	---	---	0.8	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 10x*					
1,4-Difluorobenzene (Sur)			*97 %*	*50-150 %*			*"*					
Duplicate (22C1012-DUP2)			Prepared: 03/25/22 10:00 Analyzed: 03/25/22 17:55									
QC Source Sample: MW1-032222 (A2C1051-01)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	2000	ug/L	20	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*	*Limits: 50-150 %*			*Dilution: 20x*					
1,4-Difluorobenzene (Sur)			*98 %*	*50-150 %*			*"*					
Batch 22C1024 - EPA 5030B												Water
Blank (22C1024-BLK1)			Prepared: 03/25/22 12:00 Analyzed: 03/25/22 13:59									
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 99 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*114 %*	*50-150 %*			*"*					
LCS (22C1024-BS2)			Prepared: 03/25/22 12:00 Analyzed: 03/25/22 13:32									

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1024 - EPA 5030B									Water			
LCS (22C1024-BS2)			Prepared: 03/25/22 12:00		Analyzed: 03/25/22 13:32							
NWTPH-Gx (MS)												
Gasoline Range Organics	577	---	100	ug/L	1	500	---	115	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 99 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*108 %*		*50-150 %*			*"*				
Duplicate (22C1024-DUP1)			Prepared: 03/25/22 13:56		Analyzed: 03/25/22 14:55							
QC Source Sample: MW9-032222 (A2C1051-04)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**1150**	---	100	ug/L	1	---	1060	---	---	8	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 103 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*109 %*		*50-150 %*			*"*				

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1188 - EPA 5030B												**Water**
Blank (22C1188-BLK1)			Prepared: 03/30/22 10:12		Analyzed: 03/30/22 13:53							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*94 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*97 %*		*50-150 %*			*"*				
LCS (22C1188-BS2)			Prepared: 03/30/22 10:12		Analyzed: 03/30/22 13:30							
NWTPH-Gx (MS)												
Gasoline Range Organics	488	---	100	ug/L	1	500	---	98	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*94 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*96 %*		*50-150 %*			*"*				
Duplicate (22C1188-DUP1)			Prepared: 03/30/22 14:00		Analyzed: 03/30/22 17:27							
QC Source Sample: Non-SDG (A2C1154-02)												
Gasoline Range Organics	ND	---	2000	ug/L	20	---	1070	---	---	***	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*92 %*	*Limits:*	*50-150 %*		*Dilution:*	*20x*				
1,4-Difluorobenzene (Sur)			*98 %*		*50-150 %*			*"*				

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1012 - EPA 5030B												**Water**
Blank (22C1012-BLK1)			Prepared: 03/25/22 08:00		Analyzed: 03/25/22 09:59							
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*80-120 %*			*"*				
LCS (22C1012-BS1)			Prepared: 03/25/22 08:00		Analyzed: 03/25/22 09:04							
EPA 8260D												
Benzene	21.1	---	0.200	ug/L	1	20.0	---	105	80-120%	---	---	
Toluene	20.8	---	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
Ethylbenzene	21.2	---	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Xylenes, total	65.5	---	1.50	ug/L	1	60.0	---	109	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	20.3	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Naphthalene	21.5	---	2.00	ug/L	1	20.0	---	108	80-120%	---	---	
1,2-Dibromoethane (EDB)	22.2	---	0.500	ug/L	1	20.0	---	111	80-120%	---	---	
1,2-Dichloroethane (EDC)	20.3	---	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Isopropylbenzene	22.4	---	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
1,2,4-Trimethylbenzene	22.5	---	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
1,3,5-Trimethylbenzene	22.9	---	1.00	ug/L	1	20.0	---	114	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*102 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*80-120 %*			*"*				
Duplicate (22C1012-DUP1)			Prepared: 03/25/22 10:00		Analyzed: 03/25/22 16:02							

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Cameron O'Brien, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1012 - EPA 5030B												**Water**
Duplicate (22C1012-DUP1)				Prepared: 03/25/22 10:00 Analyzed: 03/25/22 16:02								
QC Source Sample: Non-SDG (A2C1041-02)												
Benzene	**87.1**	---	2.00	ug/L	10	---	89.1	---	---	2	30%	
Toluene	**30.5**	---	10.0	ug/L	10	---	30.2	---	---	1	30%	
Ethylbenzene	**5.20**	---	5.00	ug/L	10	---	5.20	---	---	0	30%	
Xylenes, total	**284**	---	15.0	ug/L	10	---	287	---	---	0.8	30%	
Methyl tert-butyl ether (MTBE)	ND	---	10.0	ug/L	10	---	ND	---	---	---	30%	
Naphthalene	**29.5**	---	20.0	ug/L	10	---	28.2	---	---	5	30%	
1,2-Dibromoethane (EDB)	ND	---	5.00	ug/L	10	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	5.00	ug/L	10	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	10.0	ug/L	10	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**185**	---	10.0	ug/L	10	---	187	---	---	0.9	30%	
1,3,5-Trimethylbenzene	**29.7**	---	10.0	ug/L	10	---	30.0	---	---	1	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*				*"*			
Duplicate (22C1012-DUP2)				Prepared: 03/25/22 10:00 Analyzed: 03/25/22 17:55								
QC Source Sample: MW1-032222 (A2C1051-01)												
EPA 8260D												
Benzene	ND	---	4.00	ug/L	20	---	ND	---	---	---	30%	
Toluene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	10.0	ug/L	20	---	7.80	---	---	***	30%	
Xylenes, total	ND	---	30.0	ug/L	20	---	24.2	---	---	***	30%	
Methyl tert-butyl ether (MTBE)	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Naphthalene	ND	---	40.0	ug/L	20	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	10.0	ug/L	20	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**38.2**	---	20.0	ug/L	20	---	37.8	---	---	1	30%	
1,3,5-Trimethylbenzene	ND	---	20.0	ug/L	20	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*100 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*				*"*			

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Cameron O'Brien, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1012 - EPA 5030B							**Water**					
Matrix Spike (22C1012-MS1)			Prepared: 03/25/22 10:00 Analyzed: 03/25/22 19:03									
QC Source Sample: MW8-032222 (A2C1051-03)												
EPA 8260D												
Benzene	20.9	---	0.200	ug/L	1	20.0	ND	104	79-120%	---	---	
Toluene	20.4	---	1.00	ug/L	1	20.0	ND	102	80-121%	---	---	
Ethylbenzene	21.3	---	0.500	ug/L	1	20.0	0.550	104	79-121%	---	---	
Xylenes, total	65.3	---	1.50	ug/L	1	60.0	ND	109	79-121%	---	---	
Methyl tert-butyl ether (MTBE)	19.9	---	1.00	ug/L	1	20.0	ND	99	71-124%	---	---	
Naphthalene	22.3	---	2.00	ug/L	1	20.0	1.98	102	61-128%	---	---	
1,2-Dibromoethane (EDB)	21.5	---	0.500	ug/L	1	20.0	ND	107	77-121%	---	---	
1,2-Dichloroethane (EDC)	19.9	---	0.500	ug/L	1	20.0	ND	99	73-128%	---	---	
Isopropylbenzene	22.8	---	1.00	ug/L	1	20.0	ND	114	72-131%	---	---	
1,2,4-Trimethylbenzene	22.3	---	1.00	ug/L	1	20.0	1.13	106	76-124%	---	---	
1,3,5-Trimethylbenzene	22.3	---	1.00	ug/L	1	20.0	ND	112	75-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*80-120 %*			*"*				

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ORELAP ID: OR100062

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1024 - EPA 5030B												**Water**
Blank (22C1024-BLK1)				Prepared: 03/25/22 12:00 Analyzed: 03/25/22 13:59								
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*107 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*80-120 %*			*"*				
LCS (22C1024-BS1)				Prepared: 03/25/22 12:00 Analyzed: 03/25/22 12:59								
EPA 8260D												
Benzene	20.1	---	0.200	ug/L	1	20.0	---	100	80-120%	---	---	
Toluene	19.6	---	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Ethylbenzene	21.7	---	0.500	ug/L	1	20.0	---	108	80-120%	---	---	
Xylenes, total	69.4	---	1.50	ug/L	1	60.0	---	116	80-120%	---	---	
Naphthalene	17.7	---	2.00	ug/L	1	20.0	---	89	80-120%	---	---	
1,2,4-Trimethylbenzene	21.1	---	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*89 %*		*80-120 %*			*"*				
Duplicate (22C1024-DUP1)				Prepared: 03/25/22 13:56 Analyzed: 03/25/22 14:55								
QC Source Sample: MW9-032222 (A2C1051-04)												
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	**8.83**	---	0.500	ug/L	1	---	9.17	---	---	4	30%	
Xylenes, total	**36.4**	---	1.50	ug/L	1	---	38.4	---	---	5	30%	
Naphthalene	**17.0**	---	2.00	ug/L	1	---	14.7	---	---	14	30%	
1,2,4-Trimethylbenzene	**88.6**	---	1.00	ug/L	1	---	81.0	---	---	9	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*			*Dilution: 1x*				

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Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1024 - EPA 5030B												**Water**
Duplicate (22C1024-DUP1)				Prepared: 03/25/22 13:56 Analyzed: 03/25/22 14:55								
QC Source Sample: MW9-032222 (A2C1051-04)												
Surr: Toluene-d8 (Surr)			*Recovery: 105 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*91 %*	*80-120 %*			*"*					
Matrix Spike (22C1024-MS1)				Prepared: 03/25/22 13:56 Analyzed: 03/25/22 17:12								
QC Source Sample: MW12-032222 (A2C1051-08)												
EPA 8260D												
Benzene	20.8	---	0.200	ug/L	1	20.0	ND	104	79-120%	---	---	
Toluene	20.3	---	1.00	ug/L	1	20.0	ND	102	80-121%	---	---	
Ethylbenzene	22.7	---	0.500	ug/L	1	20.0	ND	113	79-121%	---	---	
Xylenes, total	73.0	---	1.50	ug/L	1	60.0	ND	**122**	**79-121%**	---	---	Q-01
Naphthalene	19.4	---	2.00	ug/L	1	20.0	ND	97	61-128%	---	---	
1,2,4-Trimethylbenzene	22.3	---	1.00	ug/L	1	20.0	ND	107	76-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*99 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*88 %*	*80-120 %*			*"*					

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1079 - EPA 5030B												**Water**
Blank (22C1079-BLK1)				Prepared: 03/28/22 13:07 Analyzed: 03/28/22 23:38								
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 104 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*80-120 %*			*"*				
LCS (22C1079-BS1)				Prepared: 03/28/22 13:07 Analyzed: 03/28/22 22:52								
EPA 8260D												
Benzene	20.5	---	0.200	ug/L	1	20.0	---	103	80-120%	---	---	
Toluene	20.0	---	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
Ethylbenzene	20.3	---	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Xylenes, total	62.9	---	1.50	ug/L	1	60.0	---	105	80-120%	---	---	
Naphthalene	21.2	---	2.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,2,4-Trimethylbenzene	20.6	---	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*			*"*				
Duplicate (22C1079-DUP1)				Prepared: 03/28/22 13:07 Analyzed: 03/29/22 02:38								
QC Source Sample: Non-SDG (A2C1121-01)												
Benzene	ND	---	2.00	ug/L	10	---	ND	---	---	---	30%	
Toluene	ND	---	10.0	ug/L	10	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	5.00	ug/L	10	---	ND	---	---	---	30%	
Xylenes, total	ND	---	15.0	ug/L	10	---	ND	---	---	---	30%	
Naphthalene	ND	---	20.0	ug/L	10	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	10.0	ug/L	10	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				

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ORELAP ID: OR100062

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1079 - EPA 5030B											Water	
Duplicate (22C1079-DUP1)				Prepared: 03/28/22 13:07 Analyzed: 03/29/22 02:38								
QC Source Sample: Non-SDG (A2C1121-01)												
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Matrix Spike (22C1079-MS1)				Prepared: 03/28/22 13:07 Analyzed: 03/29/22 08:17								
QC Source Sample: Non-SDG (A2C1117-05)												
EPA 8260D												
Benzene	21.5	---	0.200	ug/L	1	20.0	0.130	107	79-120%	---	---	
Toluene	20.8	---	1.00	ug/L	1	20.0	ND	104	80-121%	---	---	
Ethylbenzene	21.5	---	0.500	ug/L	1	20.0	ND	108	79-121%	---	---	
Xylenes, total	66.1	---	1.50	ug/L	1	60.0	ND	110	79-121%	---	---	
Naphthalene	24.6	---	2.00	ug/L	1	20.0	ND	123	61-128%	---	---	
1,2,4-Trimethylbenzene	21.9	---	1.00	ug/L	1	20.0	ND	109	76-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*99 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*			*"*					

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Cameron O'Brien, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1082 - EPA 5030B												**Water**
Blank (22C1082-BLK1)			Prepared: 03/28/22 08:22		Analyzed: 03/28/22 13:53							
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 106 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*106 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*				*"*			
LCS (22C1082-BS1)			Prepared: 03/28/22 08:22		Analyzed: 03/28/22 11:47							
EPA 8260D												
Benzene	19.5	---	0.200	ug/L	1	20.0	---	97	80-120%	---	---	
Toluene	19.3	---	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Ethylbenzene	21.2	---	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Xylenes, total	67.7	---	1.50	ug/L	1	60.0	---	113	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	21.0	---	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
Naphthalene	18.4	---	2.00	ug/L	1	20.0	---	92	80-120%	---	---	
1,2-Dichloroethane (EDC)	20.8	---	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
1,2,4-Trimethylbenzene	20.3	---	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*102 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*88 %*		*80-120 %*				*"*			
Duplicate (22C1082-DUP1)			Prepared: 03/28/22 10:22		Analyzed: 03/28/22 14:48							
QC Source Sample: Non-SDG (A2C1105-01)												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	

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Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1082 - EPA 5030B							**Water**					
Duplicate (22C1082-DUP1)			Prepared: 03/28/22 10:22 Analyzed: 03/28/22 14:48									
QC Source Sample: Non-SDG (A2C1105-01)												
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*106 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*		*"*					
Duplicate (22C1082-DUP2)			Prepared: 03/28/22 10:22 Analyzed: 03/28/22 17:07									
QC Source Sample: Non-SDG (A2C1081-01)												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*105 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*		*"*					
Matrix Spike (22C1082-MS1)			Prepared: 03/28/22 10:22 Analyzed: 03/28/22 19:55									
QC Source Sample: Non-SDG (A2C1081-06)												
EPA 8260D												
Benzene	35.6	---	0.200	ug/L	1	20.0	13.8	109	79-120%	---	---	
Toluene	22.4	---	1.00	ug/L	1	20.0	1.98	102	80-121%	---	---	
Ethylbenzene	47.9	---	0.500	ug/L	1	20.0	24.3	118	79-121%	---	---	
Xylenes, total	101	---	1.50	ug/L	1	60.0	22.8	**130**	**79-121%**	---	---	Q-01
Methyl tert-butyl ether (MTBE)	21.2	---	1.00	ug/L	1	20.0	ND	106	71-124%	---	---	
Naphthalene	39.0	---	2.00	ug/L	1	20.0	12.9	**130**	**61-128%**	---	---	Q-01
1,2-Dichloroethane (EDC)	22.2	---	0.500	ug/L	1	20.0	0.520	108	73-128%	---	---	

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22C1082 - EPA 5030B												**Water**
Matrix Spike (22C1082-MS1)			Prepared: 03/28/22 10:22 Analyzed: 03/28/22 19:55									
QC Source Sample: Non-SDG (A2C1081-06)												
1,2,4-Trimethylbenzene	36.4	---	1.00	ug/L	1	20.0	12.4	120	76-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*88 %*		*80-120 %*				*"*			

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SAMPLE PREPARATION INFORMATION

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22C1012							
A2C1051-02	Water	NWTPH-Gx (MS)	03/22/22 12:25	03/25/22 10:00	5mL/5mL	5mL/5mL	1.00
A2C1051-03	Water	NWTPH-Gx (MS)	03/22/22 11:45	03/25/22 10:00	5mL/5mL	5mL/5mL	1.00
Batch: 22C1024							
A2C1051-04	Water	NWTPH-Gx (MS)	03/22/22 15:40	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-05	Water	NWTPH-Gx (MS)	03/22/22 16:20	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-06	Water	NWTPH-Gx (MS)	03/22/22 13:20	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-07	Water	NWTPH-Gx (MS)	03/22/22 13:20	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-08	Water	NWTPH-Gx (MS)	03/22/22 14:15	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
Batch: 22C1188							
A2C1051-01RE2	Water	NWTPH-Gx (MS)	03/22/22 14:55	03/30/22 14:00	5mL/5mL	5mL/5mL	1.00

Selected Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22C1012							
A2C1051-02	Water	EPA 8260D	03/22/22 12:25	03/25/22 10:00	5mL/5mL	5mL/5mL	1.00
Batch: 22C1024							
A2C1051-04	Water	EPA 8260D	03/22/22 15:40	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-05	Water	EPA 8260D	03/22/22 16:20	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-06	Water	EPA 8260D	03/22/22 13:20	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-07	Water	EPA 8260D	03/22/22 13:20	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
A2C1051-08	Water	EPA 8260D	03/22/22 14:15	03/25/22 13:56	5mL/5mL	5mL/5mL	1.00
Batch: 22C1079							
A2C1051-01RE1	Water	EPA 8260D	03/22/22 14:55	03/28/22 13:07	5mL/5mL	5mL/5mL	1.00
A2C1051-02RE1	Water	EPA 8260D	03/22/22 12:25	03/28/22 13:07	5mL/5mL	5mL/5mL	1.00
A2C1051-03RE1	Water	EPA 8260D	03/22/22 11:45	03/28/22 13:07	5mL/5mL	5mL/5mL	1.00
Batch: 22C1082							
A2C1051-07RE1	Water	EPA 8260D	03/22/22 13:20	03/28/22 10:22	5mL/5mL	5mL/5mL	1.00

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QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

Q-01 Spike recovery and/or RPD is outside acceptance limits.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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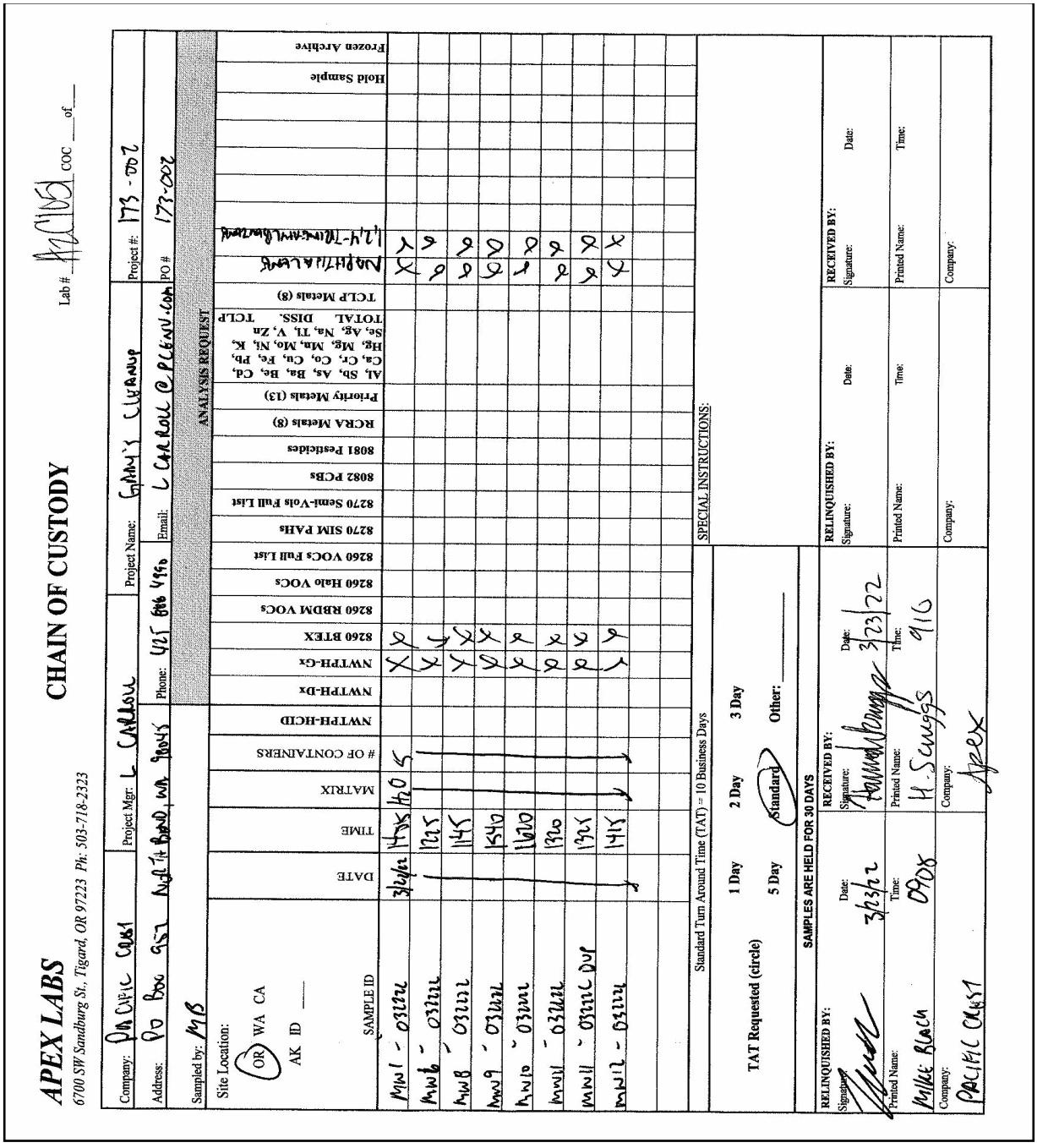

APEX LABS — 6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY — Lab # A2C1051 — COC ___ of ___

Company: Pacific Crest — Project Mgr: L. Carlson — Project Name: Gary's Cleanup — Project #: 173-002
Address: PO Box 952 North Bend, WA 98045 — Phone: 425 888 4656 — Email: L.Carlson@PCENV.com — PO # 173-002
Sampled by: MB

Site Location: (OR) WA CA AK ID ___

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	NaphthaleneVOCs	1,2,4-TMBVOCs	Hold Sample	Frozen Archive
MW1 - 033122	3/31/22	1435	H2O	5			X	X												X	X	
MW6 - 033122		1215					X	X												X	X	
MW8 - 033122		1145					X	X												X	X	
MW9 - 033122		1540					X	X												X	X	
MW10 - 033122		1620					X	X												X	X	
MW11 - 033122		1320					X	X												X	X	
MW11 - 033122 DUP		1325					X	X												X	X	
MW12 - 033122		1415					X	X												X	X	

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 5 Day Standard Other: ___

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 3/31/22	Date: 3/23/22	Date:	Date:
Time: 0900	Time: 916	Time:	Time:
Printed Name: Mollie Black	Printed Name: H. Scruggs	Printed Name:	Printed Name:
Company: Pacific Crest	Company: Apex	Company:	Company:

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North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2C1051 - 04 04 22 1356**

APEX LABS COOLER RECEIPT FORM

Client: Pacific Crest Element WO#: A2C1051

Project/Project #: Gary's Cleanup | 173-002

Delivery Info:

Date/time received: 3/23/22 @ 910 By: HAS

Delivered by: Apex____Client__X__ESS____FedEx____UPS____Swift____Senvoy ___SDS___Other_____

Cooler Inspection Date/time inspected: 3/23/22 @ 910 By: HAS

Chain of Custody included? Yes __X__ No _____ Custody seals? Yes_____ No__X__

Signed/dated by client? Yes __X__ No _____

Signed/dated by Apex? Yes __X__ No _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.3						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	real						
Condition:	melty						

Cooler out of temp? (Y/N) Possible reason why: _____

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 3/24/22 @ 1119 By: JS

All samples intact? Yes __X__ No ___ Comments: _____

Bottle labels/COCs agree? Yes __X__ No ___ Comments: _____

COC/container discrepancies form initiated? Yes ___ No __X__

Containers/volumes received appropriate for analysis? Yes __X__ No ___ Comments: _____

Do VOA vials have visible headspace? Yes ___ No __X__ ~~NA~~ __X__ JS 3/24/22

Comments _____

Water samples: pH checked: Yes___No___NA__X__ pH appropriate? Yes___No___NA__X__

Comments: _____

Additional information: _____

Labeled by: JS Witness: JKM Cooler Inspected by: HAS

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Cameron O'Brien, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Thursday, July 7, 2022

Lauren Carroll
Pacific Crest
1531 Bendigo Blvd PO Box 952
North Bend, WA 98045

RE: A2F0924 - Gary's Cleanup - 173-002

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2F0924, which was received by the laboratory on 6/24/2022 at 7:35:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: cobrien@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	3.0 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Cameron O'Brien, Project Manager

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1-062322	A2F0924-01	Water	06/23/22 16:05	06/24/22 07:35
MW6-062322	A2F0924-02	Water	06/23/22 11:55	06/24/22 07:35
MW8-062322	A2F0924-03	Water	06/23/22 11:15	06/24/22 07:35
MW9-062322	A2F0924-04	Water	06/23/22 13:55	06/24/22 07:35
MW10-062322	A2F0924-05	Water	06/23/22 14:30	06/24/22 07:35
MW11-062322	A2F0924-06	Water	06/23/22 12:35	06/24/22 07:35
MW11-062322 DUP	A2F0924-07	Water	06/23/22 12:40	06/24/22 07:35
MW12-062322	A2F0924-08	Water	06/23/22 15:20	06/24/22 07:35
Trip Blank-062322	A2F0924-09	Water	06/23/22 05:18	06/24/22 07:35

Apex Laboratories

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW1-062322 (A2F0924-01RE1)				**Matrix: Water**		**Batch: 22F1107**		
Gasoline Range Organics	**376**	---	100	ug/L	1	06/30/22 21:14	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 108 %*	*Limits: 50-150 %*		*1*	*06/30/22 21:14*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*107 %*	*50-150 %*		*1*	*06/30/22 21:14*	*NWTPH-Gx (MS)*	
MW6-062322 (A2F0924-02)				**Matrix: Water**		**Batch: 22F1051**		
Gasoline Range Organics	**15400**	---	1000	ug/L	10	06/29/22 22:25	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*	*Limits: 50-150 %*		*1*	*06/29/22 22:25*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*104 %*	*50-150 %*		*1*	*06/29/22 22:25*	*NWTPH-Gx (MS)*	
MW8-062322 (A2F0924-03)				**Matrix: Water**		**Batch: 22F1051**		
Gasoline Range Organics	ND	---	100	ug/L	1	06/29/22 17:28	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*	*Limits: 50-150 %*		*1*	*06/29/22 17:28*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*105 %*	*50-150 %*		*1*	*06/29/22 17:28*	*NWTPH-Gx (MS)*	
MW9-062322 (A2F0924-04)				**Matrix: Water**		**Batch: 22F1051**		
Gasoline Range Organics	**8180**	---	1000	ug/L	10	06/29/22 22:52	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*	*Limits: 50-150 %*		*1*	*06/29/22 22:52*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*100 %*	*50-150 %*		*1*	*06/29/22 22:52*	*NWTPH-Gx (MS)*	
MW10-062322 (A2F0924-05RE1)				**Matrix: Water**		**Batch: 22F1107**		
Gasoline Range Organics	**1820**	---	100	ug/L	1	06/30/22 20:07	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 106 %*	*Limits: 50-150 %*		*1*	*06/30/22 20:07*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*105 %*	*50-150 %*		*1*	*06/30/22 20:07*	*NWTPH-Gx (MS)*	
MW11-062322 (A2F0924-06RE1)				**Matrix: Water**		**Batch: 22F1107**		
Gasoline Range Organics	**1590**	---	100	ug/L	1	06/30/22 20:29	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*	*Limits: 50-150 %*		*1*	*06/30/22 20:29*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*107 %*	*50-150 %*		*1*	*06/30/22 20:29*	*NWTPH-Gx (MS)*	
MW11-062322 DUP (A2F0924-07RE1)				**Matrix: Water**		**Batch: 22F1107**		
Gasoline Range Organics	**3230**	---	100	ug/L	1	06/30/22 20:52	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*	*Limits: 50-150 %*		*1*	*06/30/22 20:52*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*107 %*	*50-150 %*		*1*	*06/30/22 20:52*	*NWTPH-Gx (MS)*	
MW12-062322 (A2F0924-08)				**Matrix: Water**		**Batch: 22F1051**		

Apex Laboratories

Cameron O'Brien, Project Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW12-062322 (A2F0924-08)				**Matrix: Water**		**Batch: 22F1051**		
Gasoline Range Organics	**3270**	---	1000	ug/L	10	06/29/22 23:19	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*		*Limits: 50-150 %*	*1*	*06/29/22 23:19*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*	*1*	*06/29/22 23:19*	*NWTPH-Gx (MS)*	
Trip Blank-062322 (A2F0924-09)				**Matrix: Water**		**Batch: 22F1051**		
Gasoline Range Organics	ND	---	100	ug/L	1	06/29/22 16:07	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 94 %*		*Limits: 50-150 %*	*1*	*06/29/22 16:07*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*104 %*	*50-150 %*	*1*	*06/29/22 16:07*	*NWTPH-Gx (MS)*	

Apex Laboratories

Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW1-062322 (A2F0924-01RE2)				**Matrix: Water**		**Batch: 22G0019**		
Benzene	ND	---	0.200	ug/L	1	07/01/22 17:01	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	07/01/22 17:01	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	07/01/22 17:01	EPA 8260D	
Xylenes, total	**4.23**	---	1.50	ug/L	1	07/01/22 17:01	EPA 8260D	
Naphthalene	**2.81**	---	2.00	ug/L	1	07/01/22 17:01	EPA 8260D	
1,2,4-Trimethylbenzene	**3.12**	---	1.00	ug/L	1	07/01/22 17:01	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*07/01/22 17:01*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*07/01/22 17:01*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*07/01/22 17:01*	*EPA 8260D*	
MW6-062322 (A2F0924-02)				**Matrix: Water**		**Batch: 22F1051**		
Benzene	ND	---	2.00	ug/L	10	06/29/22 22:25	EPA 8260D	
Toluene	ND	---	10.0	ug/L	10	06/29/22 22:25	EPA 8260D	
Ethylbenzene	**743**	---	5.00	ug/L	10	06/29/22 22:25	EPA 8260D	
Xylenes, total	**620**	---	15.0	ug/L	10	06/29/22 22:25	EPA 8260D	
Naphthalene	**849**	---	40.0	ug/L	10	06/29/22 22:25	EPA 8260D	
1,2,4-Trimethylbenzene	**892**	---	10.0	ug/L	10	06/29/22 22:25	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*06/29/22 22:25*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*06/29/22 22:25*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*06/29/22 22:25*	*EPA 8260D*	
MW8-062322 (A2F0924-03)				**Matrix: Water**		**Batch: 22F1051**		
Benzene	ND	---	0.200	ug/L	1	06/29/22 17:28	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	06/29/22 17:28	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	06/29/22 17:28	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	06/29/22 17:28	EPA 8260D	
Naphthalene	ND	---	4.00	ug/L	1	06/29/22 17:28	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	06/29/22 17:28	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*06/29/22 17:28*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*06/29/22 17:28*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*06/29/22 17:28*	*EPA 8260D*	
MW9-062322 (A2F0924-04)				**Matrix: Water**		**Batch: 22F1051**		
Benzene	ND	---	2.00	ug/L	10	06/29/22 22:52	EPA 8260D	

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Cameron O'Brien, Project Manager

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW9-062322 (A2F0924-04)				**Matrix: Water**		**Batch: 22F1051**		
Toluene	ND	---	10.0	ug/L	10	06/29/22 22:52	EPA 8260D	
Ethylbenzene	**176**	---	5.00	ug/L	10	06/29/22 22:52	EPA 8260D	
Xylenes, total	**802**	---	15.0	ug/L	10	06/29/22 22:52	EPA 8260D	
Naphthalene	**73.1**	---	40.0	ug/L	10	06/29/22 22:52	EPA 8260D	
1,2,4-Trimethylbenzene	**548**	---	10.0	ug/L	10	06/29/22 22:52	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*96 %*	*Limits:*	*80-120 %*	*1*	*06/29/22 22:52*	*EPA 8260D*
Toluene-d8 (Surr)			*106 %*		*80-120 %*	*1*	*06/29/22 22:52*	*EPA 8260D*
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*	*1*	*06/29/22 22:52*	*EPA 8260D*
MW10-062322 (A2F0924-05RE1)				**Matrix: Water**		**Batch: 22F1107**		
Benzene	ND	---	0.200	ug/L	1	06/30/22 20:07	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	06/30/22 20:07	EPA 8260D	
Ethylbenzene	**3.70**	---	0.500	ug/L	1	06/30/22 20:07	EPA 8260D	
Xylenes, total	**5.10**	---	1.50	ug/L	1	06/30/22 20:07	EPA 8260D	
Naphthalene	**2.86**	---	2.00	ug/L	1	06/30/22 20:07	EPA 8260D	
1,2,4-Trimethylbenzene	**27.8**	---	1.00	ug/L	1	06/30/22 20:07	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits:*	*80-120 %*	*1*	*06/30/22 20:07*	*EPA 8260D*
Toluene-d8 (Surr)			*98 %*		*80-120 %*	*1*	*06/30/22 20:07*	*EPA 8260D*
4-Bromofluorobenzene (Surr)			*91 %*		*80-120 %*	*1*	*06/30/22 20:07*	*EPA 8260D*
MW11-062322 (A2F0924-06RE1)				**Matrix: Water**		**Batch: 22F1107**		
Benzene	ND	---	0.200	ug/L	1	06/30/22 20:29	EPA 8260D	
Toluene	**57.2**	---	1.00	ug/L	1	06/30/22 20:29	EPA 8260D	
Ethylbenzene	**34.7**	---	0.500	ug/L	1	06/30/22 20:29	EPA 8260D	
Xylenes, total	**159**	---	1.50	ug/L	1	06/30/22 20:29	EPA 8260D	
Naphthalene	**6.97**	---	2.00	ug/L	1	06/30/22 20:29	EPA 8260D	
1,2,4-Trimethylbenzene	**48.6**	---	1.00	ug/L	1	06/30/22 20:29	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*	*1*	*06/30/22 20:29*	*EPA 8260D*
Toluene-d8 (Surr)			*98 %*		*80-120 %*	*1*	*06/30/22 20:29*	*EPA 8260D*
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*	*1*	*06/30/22 20:29*	*EPA 8260D*
MW11-062322 DUP (A2F0924-07RE1)				**Matrix: Water**		**Batch: 22F1107**		
Benzene	**0.230**	---	0.200	ug/L	1	06/30/22 20:52	EPA 8260D	
Toluene	**169**	---	1.00	ug/L	1	06/30/22 20:52	EPA 8260D	

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Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW11-062322 DUP (A2F0924-07RE1)				**Matrix: Water**		**Batch: 22F1107**		
Ethylbenzene	**84.6**	---	0.500	ug/L	1	06/30/22 20:52	EPA 8260D	
Xylenes, total	**408**	---	1.50	ug/L	1	06/30/22 20:52	EPA 8260D	
Naphthalene	**12.6**	---	2.00	ug/L	1	06/30/22 20:52	EPA 8260D	
1,2,4-Trimethylbenzene	**72.5**	---	1.00	ug/L	1	06/30/22 20:52	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*06/30/22 20:52*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*06/30/22 20:52*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*94 %*	*80-120 %*	*1*	*06/30/22 20:52*	*EPA 8260D*	
MW12-062322 (A2F0924-08)				**Matrix: Water**		**Batch: 22F1051**		
Benzene	ND	---	2.00	ug/L	10	06/29/22 23:19	EPA 8260D	
Toluene	ND	---	10.0	ug/L	10	06/29/22 23:19	EPA 8260D	
Ethylbenzene	**34.3**	---	5.00	ug/L	10	06/29/22 23:19	EPA 8260D	
Xylenes, total	**260**	---	15.0	ug/L	10	06/29/22 23:19	EPA 8260D	
Naphthalene	ND	---	40.0	ug/L	10	06/29/22 23:19	EPA 8260D	
1,2,4-Trimethylbenzene	**236**	---	10.0	ug/L	10	06/29/22 23:19	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*06/29/22 23:19*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*06/29/22 23:19*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*06/29/22 23:19*	*EPA 8260D*	
Trip Blank-062322 (A2F0924-09)				**Matrix: Water**		**Batch: 22F1051**		
Benzene	ND	---	0.200	ug/L	1	06/29/22 16:07	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	06/29/22 16:07	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	06/29/22 16:07	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	06/29/22 16:07	EPA 8260D	
Naphthalene	ND	---	4.00	ug/L	1	06/29/22 16:07	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	06/29/22 16:07	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*06/29/22 16:07*	*EPA 8260D*	
Toluene-d8 (Surr)			*106 %*	*80-120 %*	*1*	*06/29/22 16:07*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*106 %*	*80-120 %*	*1*	*06/29/22 16:07*	*EPA 8260D*	

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Cameron O'Brien, Project Manager

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1051 - EPA 5030B												**Water**
Blank (22F1051-BLK1)				Prepared: 06/29/22 08:16 Analyzed: 06/29/22 14:45								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 92 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*103 %*	*50-150 %*			*"*					
LCS (22F1051-BS2)				Prepared: 06/29/22 08:16 Analyzed: 06/29/22 14:18								
NWTPH-Gx (MS)												
Gasoline Range Organics	401	---	100	ug/L	1	500	---	80	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 88 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*96 %*	*50-150 %*			*"*					
Duplicate (22F1051-DUP1)				Prepared: 06/29/22 10:16 Analyzed: 06/29/22 17:55								
QC Source Sample: MW8-062322 (A2F0924-03)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*			*"*					
Duplicate (22F1051-DUP2)				Prepared: 06/29/22 10:16 Analyzed: 06/30/22 01:34								
QC Source Sample: MW11-062322 (A2F0924-06)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	10000	ug/L	100	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 95 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*			*"*					
Batch 22F1107 - EPA 5030B												**Water**
Blank (22F1107-BLK1)				Prepared: 06/30/22 10:22 Analyzed: 06/30/22 12:40								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 110 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*114 %*	*50-150 %*			*"*					

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Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1107 - EPA 5030B									Water			
LCS (22F1107-BS2)			Prepared: 06/30/22 10:22		Analyzed: 06/30/22 10:57							
NWTPH-Gx (MS)												
Gasoline Range Organics	497	---	100	ug/L	1	500	---	99	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*102 %*		*50-150 %*			*"*				
Duplicate (22F1107-DUP1)			Prepared: 06/30/22 10:22		Analyzed: 06/30/22 17:31							
QC Source Sample: Non-SDG (A2F1007-02)												
Gasoline Range Organics	**55100**	---	1000	ug/L	10	---	61200	---	---	11	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery:*	*103 %*	*Limits:*	*50-150 %*		*Dilution:*	*1x*				
1,4-Difluorobenzene (Sur)			*106 %*		*50-150 %*			*"*				

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1051 - EPA 5030B												**Water**
Blank (22F1051-BLK1)			Prepared: 06/29/22 08:16 Analyzed: 06/29/22 14:45									
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	4.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*107 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*105 %*		*80-120 %*			*"*				
LCS (22F1051-BS1)			Prepared: 06/29/22 08:16 Analyzed: 06/29/22 13:51									
EPA 8260D												
Benzene	16.4	---	0.200	ug/L	1	20.0	---	82	80-120%	---	---	
Toluene	18.5	---	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
Ethylbenzene	20.5	---	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Xylenes, total	58.3	---	1.50	ug/L	1	60.0	---	97	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	20.1	---	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Naphthalene	17.8	---	4.00	ug/L	1	20.0	---	89	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.5	---	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,2-Dichloroethane (EDC)	16.7	---	0.500	ug/L	1	20.0	---	83	80-120%	---	---	
1,2,4-Trimethylbenzene	20.6	---	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 91 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*104 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				
Duplicate (22F1051-DUP1)			Prepared: 06/29/22 10:16 Analyzed: 06/29/22 17:55									
QC Source Sample: MW8-062322 (A2F0924-03)												
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	

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Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1051 - EPA 5030B											**Water**	
Duplicate (22F1051-DUP1)			Prepared: 06/29/22 10:16 Analyzed: 06/29/22 17:55									
QC Source Sample: MW8-062322 (A2F0924-03)												
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	4.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*106 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*103 %*		*80-120 %*			*"*				
Duplicate (22F1051-DUP2)			Prepared: 06/29/22 10:16 Analyzed: 06/30/22 01:34									
QC Source Sample: MW11-062322 (A2F0924-06)												
EPA 8260D												
Benzene	ND	---	20.0	ug/L	100	---	ND	---	---	---	30%	
Toluene	ND	---	100	ug/L	100	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	50.0	ug/L	100	---	ND	---	---	---	30%	
Xylenes, total	ND	---	150	ug/L	100	---	108	---	---	***	30%	
Methyl tert-butyl ether (MTBE)	ND	---	100	ug/L	100	---	ND	---	---	---	30%	
Naphthalene	ND	---	400	ug/L	100	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/L	100	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	50.0	ug/L	100	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	100	ug/L	100	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*106 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*103 %*		*80-120 %*			*"*				
Matrix Spike (22F1051-MS1)			Prepared: 06/29/22 10:16 Analyzed: 06/29/22 21:31									
QC Source Sample: MW1-062322 (A2F0924-01)												
EPA 8260D												
Benzene	85.2	---	1.00	ug/L	5	100	ND	85	79-120%	---	---	
Toluene	96.2	---	5.00	ug/L	5	100	ND	96	80-121%	---	---	

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ORELAP ID: **OR100062**

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1051 - EPA 5030B							**Water**					
Matrix Spike (22F1051-MS1)			Prepared: 06/29/22 10:16 Analyzed: 06/29/22 21:31									
QC Source Sample: MW1-062322 (A2F0924-01)												
Ethylbenzene	108	---	2.50	ug/L	5	100	ND	108	79-121%	---	---	
Xylenes, total	310	---	7.50	ug/L	5	300	3.85	102	79-121%	---	---	
Methyl tert-butyl ether (MTBE)	98.2	---	5.00	ug/L	5	100	ND	98	71-124%	---	---	
Naphthalene	98.8	---	20.0	ug/L	5	100	ND	99	61-128%	---	---	
1,2-Dibromoethane (EDB)	101	---	2.50	ug/L	5	100	ND	101	77-121%	---	---	
1,2-Dichloroethane (EDC)	80.9	---	2.50	ug/L	5	100	ND	81	73-128%	---	---	
1,2,4-Trimethylbenzene	108	---	5.00	ug/L	5	100	ND	108	76-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 92 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*102 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1107 - EPA 5030B												**Water**
Blank (22F1107-BLK1)				Prepared: 06/30/22 10:22 Analyzed: 06/30/22 12:40								
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 95 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				
LCS (22F1107-BS1)				Prepared: 06/30/22 10:22 Analyzed: 06/30/22 11:37								
EPA 8260D												
Benzene	18.1	---	0.200	ug/L	1	20.0	---	91	80-120%	---	---	
Toluene	18.6	---	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
Ethylbenzene	19.5	---	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Xylenes, total	60.9	---	1.50	ug/L	1	60.0	---	102	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	19.7	---	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Naphthalene	16.0	---	2.00	ug/L	1	20.0	---	80	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.6	---	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
1,2-Dichloroethane (EDC)	23.4	---	0.500	ug/L	1	20.0	---	117	80-120%	---	---	
Isopropylbenzene	19.4	---	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
1,2,4-Trimethylbenzene	20.1	---	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,3,5-Trimethylbenzene	19.8	---	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 90 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*91 %*		*80-120 %*			*"*				
Duplicate (22F1107-DUP1)				Prepared: 06/30/22 10:22 Analyzed: 06/30/22 17:31								

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22F1107 - EPA 5030B							**Water**					
Duplicate (22F1107-DUP1)			Prepared: 06/30/22 10:22 Analyzed: 06/30/22 17:31									
QC Source Sample: Non-SDG (A2F1007-02)												
Benzene	**51.0**	---	2.00	ug/L	10	---	50.9	---	---	0.2	30%	
Toluene	**1000**	---	10.0	ug/L	10	---	1050	---	---	5	30%	
Ethylbenzene	**377**	---	5.00	ug/L	10	---	393	---	---	4	30%	
Xylenes, total	**6160**	---	15.0	ug/L	10	---	6670	---	---	8	30%	E
Methyl tert-butyl ether (MTBE)	ND	---	10.0	ug/L	10	---	ND	---	---	---	30%	
Naphthalene	**194**	---	20.0	ug/L	10	---	196	---	---	1	30%	
1,2-Dibromoethane (EDB)	ND	---	5.00	ug/L	10	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	5.00	ug/L	10	---	ND	---	---	---	30%	
Isopropylbenzene	**33.4**	---	10.0	ug/L	10	---	33.9	---	---	1	30%	
1,2,4-Trimethylbenzene	**2430**	---	10.0	ug/L	10	---	2580	---	---	6	30%	E
1,3,5-Trimethylbenzene	**790**	---	10.0	ug/L	10	---	820	---	---	4	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 93 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*100 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*92 %*		*80-120 %*				*"*			
Matrix Spike (22F1107-MS1)			Prepared: 06/30/22 10:22 Analyzed: 06/30/22 18:38									**V-01**
QC Source Sample: Non-SDG (A2F1007-04)												
EPA 8260D												
Benzene	273	---	2.00	ug/L	10	200	52.7	110	79-120%	---	---	
Toluene	1130	---	10.0	ug/L	10	200	990	**70**	**80-121%**	---	---	Q-03
Ethylbenzene	588	---	5.00	ug/L	10	200	390	99	79-121%	---	---	
Xylenes, total	6310	---	15.0	ug/L	10	600	6170	**22**	**79-121%**	---	---	E, Q-03
Methyl tert-butyl ether (MTBE)	219	---	10.0	ug/L	10	200	ND	109	71-124%	---	---	
Naphthalene	450	---	20.0	ug/L	10	200	208	121	61-128%	---	---	
1,2-Dibromoethane (EDB)	214	---	5.00	ug/L	10	200	ND	107	77-121%	---	---	
1,2-Dichloroethane (EDC)	226	---	5.00	ug/L	10	200	ND	113	73-128%	---	---	
Isopropylbenzene	265	---	10.0	ug/L	10	200	36.5	114	72-131%	---	---	
1,2,4-Trimethylbenzene	2680	---	10.0	ug/L	10	200	2530	**72**	**76-124%**	---	---	E, Q-03
1,3,5-Trimethylbenzene	1040	---	10.0	ug/L	10	200	833	105	75-124%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*97 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*				*"*			

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Cameron O'Brien, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0019 - EPA 5030B							**Water**					
Blank (22G0019-BLK1)			Prepared: 07/01/22 10:03 Analyzed: 07/01/22 11:48									
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 95 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*			*"*				
LCS (22G0019-BS1)			Prepared: 07/01/22 10:03 Analyzed: 07/01/22 11:03									A-01
EPA 8260D												
Benzene	20.0	---	0.200	ug/L	1	20.0	---	100	80-120%	---	---	
Toluene	19.7	---	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Ethylbenzene	21.0	---	0.500	ug/L	1	20.0	---	105	80-120%	---	---	
Xylenes, total	64.2	---	1.50	ug/L	1	60.0	---	107	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	20.9	---	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
Naphthalene	16.8	---	2.00	ug/L	1	20.0	---	84	80-120%	---	---	
1,2-Dibromoethane (EDB)	21.7	---	0.500	ug/L	1	20.0	---	109	80-120%	---	---	
1,2-Dichloroethane (EDC)	25.0	---	0.500	ug/L	1	20.0	---	**125**	**80-120%**	---	---	Q-56
Isopropylbenzene	21.1	---	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
1,2,4-Trimethylbenzene	21.5	---	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,3,5-Trimethylbenzene	21.5	---	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 91 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*91 %*		*80-120 %*			*"*				
Duplicate (22G0019-DUP1)			Prepared: 07/01/22 10:03 Analyzed: 07/01/22 15:53									

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Cameron O'Brien, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22G0019 - EPA 5030B												**Water**
Duplicate (22G0019-DUP1)			Prepared: 07/01/22 10:03 Analyzed: 07/01/22 15:53									
QC Source Sample: Non-SDG (A2F0923-02)												
Benzene	ND	---	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	---	1.50	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	---	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	**6.98**	---	0.500	ug/L	1	---	6.43	---	---	8	30%	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 96 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*				*"*			
Duplicate (22G0019-DUP2)			Prepared: 07/01/22 10:03 Analyzed: 07/01/22 19:37									
QC Source Sample: Non-SDG (A2F1041-06)												
Benzene	**231**	---	1.00	ug/L	5	---	230	---	---	0.2	30%	
Toluene	**122**	---	5.00	ug/L	5	---	126	---	---	4	30%	
Ethylbenzene	**88.4**	---	2.50	ug/L	5	---	91.2	---	---	3	30%	
Xylenes, total	**182**	---	7.50	ug/L	5	---	190	---	---	4	30%	
Methyl tert-butyl ether (MTBE)	ND	---	5.00	ug/L	5	---	4.35	---	---	***	30%	
Naphthalene	**178**	---	10.0	ug/L	5	---	178	---	---	0.5	30%	
1,2-Dibromoethane (EDB)	ND	---	2.50	ug/L	5	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	2.50	ug/L	5	---	ND	---	---	---	30%	
Isopropylbenzene	**31.1**	---	5.00	ug/L	5	---	32.0	---	---	3	30%	
1,2,4-Trimethylbenzene	**18.4**	---	5.00	ug/L	5	---	19.1	---	---	3	30%	
1,3,5-Trimethylbenzene	**5.55**	---	5.00	ug/L	5	---	5.80	---	---	4	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 106 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*				*"*			

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

SAMPLE PREPARATION INFORMATION

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22F1051							
A2F0924-02	Water	NWTPH-Gx (MS)	06/23/22 11:55	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-03	Water	NWTPH-Gx (MS)	06/23/22 11:15	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-04	Water	NWTPH-Gx (MS)	06/23/22 13:55	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-08	Water	NWTPH-Gx (MS)	06/23/22 15:20	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-09	Water	NWTPH-Gx (MS)	06/23/22 05:18	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
Batch: 22F1107							
A2F0924-01RE1	Water	NWTPH-Gx (MS)	06/23/22 16:05	06/30/22 10:22	5mL/5mL	5mL/5mL	1.00
A2F0924-05RE1	Water	NWTPH-Gx (MS)	06/23/22 14:30	06/30/22 10:22	5mL/5mL	5mL/5mL	1.00
A2F0924-06RE1	Water	NWTPH-Gx (MS)	06/23/22 12:35	06/30/22 10:22	5mL/5mL	5mL/5mL	1.00
A2F0924-07RE1	Water	NWTPH-Gx (MS)	06/23/22 12:40	06/30/22 10:22	5mL/5mL	5mL/5mL	1.00

Selected Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22F1051							
A2F0924-02	Water	EPA 8260D	06/23/22 11:55	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-03	Water	EPA 8260D	06/23/22 11:15	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-04	Water	EPA 8260D	06/23/22 13:55	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-08	Water	EPA 8260D	06/23/22 15:20	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
A2F0924-09	Water	EPA 8260D	06/23/22 05:18	06/29/22 10:16	5mL/5mL	5mL/5mL	1.00
Batch: 22F1107							
A2F0924-05RE1	Water	EPA 8260D	06/23/22 14:30	06/30/22 10:22	5mL/5mL	5mL/5mL	1.00
A2F0924-06RE1	Water	EPA 8260D	06/23/22 12:35	06/30/22 10:22	5mL/5mL	5mL/5mL	1.00
A2F0924-07RE1	Water	EPA 8260D	06/23/22 12:40	06/30/22 10:22	5mL/5mL	5mL/5mL	1.00
Batch: 22G0019							
A2F0924-01RE2	Water	EPA 8260D	06/23/22 16:05	07/01/22 10:03	5mL/5mL	5mL/5mL	1.00

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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A-01	Due to preparation error, not all Batch QC samples were analyzed. The batch is accepted based on the recovieries of the Blank Spike (BS1).
E	Estimated Value. The result is above the calibration range of the instrument.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
V-01	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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ANALYTICAL REPORT

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North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

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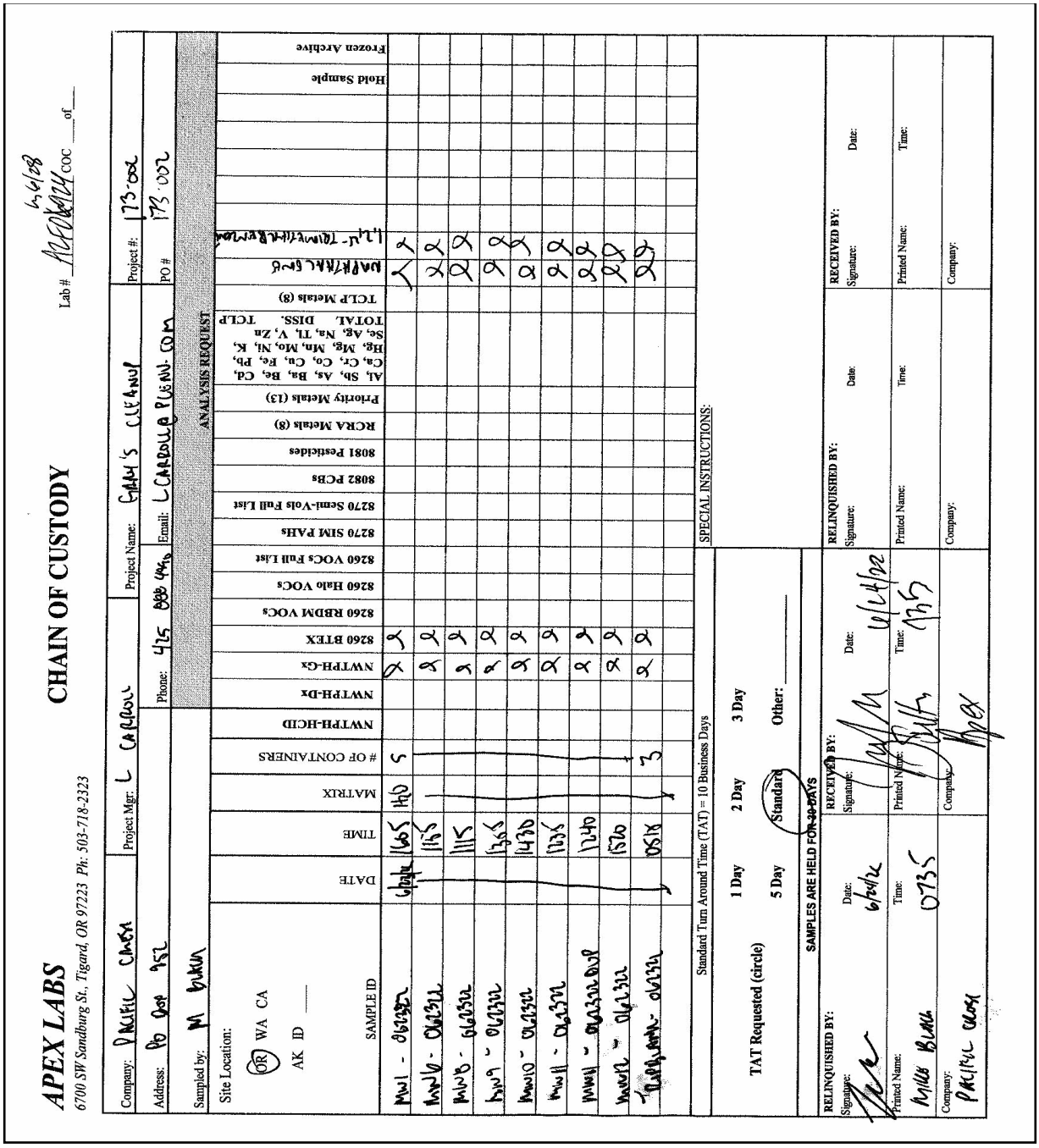

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A2F0924 COC ___ of ___

Company: Pacific Crest | Project Mgr: L Carroll | Project Name: Gary's Cleanup | Project #: 173-002
Address: PO Box 952 | Phone: 425 888 4656 | Email: LCarroll@Pacificcrest.com | PO # 173.002
Sampled by: M Blum

Site Location: (OR) WA CA AK ID ____

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	NAPHTHALENE BY 8260	1,1,1,2- Tetrachloroethane	Hold Sample	Frozen Archive
MW1 - 061322	6/13/22	1145	H2O	5			X	X												X			
MW2 - 061322		1155					X	X												X			
MW3 - 061322		1115					X	X												X			
MW4 - 061322		1345					X	X												X			
MW5 - 061322		1430					X	X												X			
MW6 - 061322		1135					X	X												X			
MW7 - 061322		1240					X	X												X			
MW8 - 061322		1520					X	X												X			
TRIPBLANK - 061322		0830		3			X	X												X			

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day | 2 Day | 3 Day | 5 Day | Standard | Other: ____

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 6/14/22	Date:	Date:	Date:
Time: 0735	Time: 1135	Time:	Time:
Printed Name: Miles Blum	Printed Name:	Printed Name:	Printed Name:
Company: Pacific Crest	Company: Apex	Company:	Company:

Apex Laboratories

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2F0924 - 07 07 22 1522**

APEX LABS COOLER RECEIPT FORM

Client: Pacific Crest Element WO#: A2 F0924

Project/Project #: Gary's Cleanup 173-002

Delivery Info:

Date/time received: 6/24/22 @ 735 By: JS

Delivered by: Apex___ Client 1 ESS___ FedEx___ UPS___ Swift___ Senvoy___ SDS___ Other___

Cooler Inspection Date/time inspected: 6/24/22 @ 740 By: JS

Chain of Custody included? Yes X No ___ Custody seals? Yes___ No X

Signed/dated by client? Yes √ No ___

Signed/dated by Apex? Yes √ No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	3.0						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	real						
Condition:	good						

Cooler out of temp? (Y/N) Possible reason why:

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 6/25/22 @ 1252 By: KMO

All samples intact? Yes X No ___ Comments:

Bottle labels/COCs agree? Yes X No ___ Comments:

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments:

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments

Water samples: pH checked: Yes___ No___ NA X pH appropriate? Yes___ No___ NA X

Comments:

Additional information:

Labeled by: KM Witness: AMK Cooler Inspected by: KM 6/24/22 KAM | DBS

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Thursday, September 15, 2022

Lauren Carroll
Pacific Crest
1531 Bendigo Blvd PO Box 952
North Bend, WA 98045

RE: A2I0205 - Gary's Cleanup - 173-002

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2I0205, which was received by the laboratory on 9/8/2022 at 11:15:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: cobrien@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	4.4 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW1-090822	A2I0205-01	Water	09/08/22 08:25	09/08/22 11:15
MW6-090722	A2I0205-02	Water	09/07/22 14:00	09/08/22 11:15
MW8-090722	A2I0205-03	Water	09/07/22 13:30	09/08/22 11:15
MW9-090722	A2I0205-04	Water	09/07/22 15:45	09/08/22 11:15
MW10-090722	A2I0205-05	Water	09/07/22 16:20	09/08/22 11:15
MW11-090722	A2I0205-06	Water	09/07/22 14:50	09/08/22 11:15
MW11-090722DUP	A2I0205-07	Water	09/07/22 14:55	09/08/22 11:15
MW12-090822	A2I0205-08	Water	09/08/22 07:45	09/08/22 11:15
TRIPBLANK-090722	A2I0205-09	Water	09/07/22 07:00	09/08/22 11:15

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Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW1-090822 (A2I0205-01)				**Matrix: Water**		**Batch: 22I0220**		
Gasoline Range Organics	**8000**	---	100	ug/L	1	09/08/22 17:03	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*98 %*	*Limits: 50-150 %*	*1*	*09/08/22 17:03*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*99 %*	*50-150 %*	*1*	*09/08/22 17:03*	*NWTPH-Gx (MS)*	
MW6-090722 (A2I0205-02)				**Matrix: Water**		**Batch: 22I0220**		
Gasoline Range Organics	**16200**	---	500	ug/L	5	09/08/22 18:55	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*96 %*	*Limits: 50-150 %*	*1*	*09/08/22 18:55*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*98 %*	*50-150 %*	*1*	*09/08/22 18:55*	*NWTPH-Gx (MS)*	
MW8-090722 (A2I0205-03RE1)				**Matrix: Water**		**Batch: 22I0226**		
Gasoline Range Organics	ND	---	100	ug/L	1	09/09/22 18:18	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*97 %*	*Limits: 50-150 %*	*1*	*09/09/22 18:18*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*09/09/22 18:18*	*NWTPH-Gx (MS)*	
MW9-090722 (A2I0205-04RE1)				**Matrix: Water**		**Batch: 22I0226**		
Gasoline Range Organics	**10700**	---	1000	ug/L	10	09/09/22 20:09	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*101 %*	*Limits: 50-150 %*	*1*	*09/09/22 20:09*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*09/09/22 20:09*	*NWTPH-Gx (MS)*	
MW10-090722 (A2I0205-05)				**Matrix: Water**		**Batch: 22I0220**		
Gasoline Range Organics	**6470**	---	100	ug/L	1	09/08/22 18:10	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*98 %*	*Limits: 50-150 %*	*1*	*09/08/22 18:10*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*99 %*	*50-150 %*	*1*	*09/08/22 18:10*	*NWTPH-Gx (MS)*	
MW11-090722 (A2I0205-06RE1)				**Matrix: Water**		**Batch: 22I0226**		
Gasoline Range Organics	**73500**	---	1000	ug/L	10	09/09/22 20:54	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*09/09/22 20:54*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*104 %*	*50-150 %*	*1*	*09/09/22 20:54*	*NWTPH-Gx (MS)*	
MW11-090722DUP (A2I0205-07RE1)				**Matrix: Water**		**Batch: 22I0226**		
Gasoline Range Organics	**75600**	---	1000	ug/L	10	09/09/22 20:32	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*103 %*	*Limits: 50-150 %*	*1*	*09/09/22 20:32*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*105 %*	*50-150 %*	*1*	*09/09/22 20:32*	*NWTPH-Gx (MS)*	
MW12-090822 (A2I0205-08RE1)				**Matrix: Water**		**Batch: 22I0226**		
Gasoline Range Organics	**13400**	---	1000	ug/L	10	09/09/22 19:47	NWTPH-Gx (MS)	

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Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW12-090822 (A2I0205-08RE1)				**Matrix: Water**		**Batch: 22I0226**		
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*100 %*	*Limits: 50-150 %*	*1*	*09/09/22 19:47*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*106 %*	*50-150 %*	*1*	*09/09/22 19:47*	*NWTPH-Gx (MS)*	
TRIPBLANK-090722 (A2I0205-09)				**Matrix: Water**		**Batch: 22I0220**		
Gasoline Range Organics	ND	---	100	ug/L	1	09/08/22 16:41	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*95 %*	*Limits: 50-150 %*	*1*	*09/08/22 16:41*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*99 %*	*50-150 %*	*1*	*09/08/22 16:41*	*NWTPH-Gx (MS)*	

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ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW1-090822 (A2I0205-01)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	**0.640**	---	0.200	ug/L	1	09/08/22 17:03	EPA 8260D	
Toluene	**1.85**	---	1.00	ug/L	1	09/08/22 17:03	EPA 8260D	
Ethylbenzene	**80.8**	---	0.500	ug/L	1	09/08/22 17:03	EPA 8260D	
Naphthalene	**78.4**	---	2.00	ug/L	1	09/08/22 17:03	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits:*	*80-120 %*	*09/08/22 17:03*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*		*80-120 %*	*09/08/22 17:03*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*		*80-120 %*	*09/08/22 17:03*	*EPA 8260D*	
MW1-090822 (A2I0205-01RE1)				**Matrix: Water**		**Batch: 22I0226**		
Xylenes, total	**387**	---	15.0	ug/L	10	09/09/22 19:25	EPA 8260D	
1,2,4-Trimethylbenzene	**724**	---	10.0	ug/L	10	09/09/22 19:25	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits:*	*80-120 %*	*09/09/22 19:25*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*		*80-120 %*	*09/09/22 19:25*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*	*09/09/22 19:25*	*EPA 8260D*	
MW6-090722 (A2I0205-02)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	ND	---	1.00	ug/L	5	09/08/22 18:55	EPA 8260D	
Toluene	**44.4**	---	5.00	ug/L	5	09/08/22 18:55	EPA 8260D	
Ethylbenzene	**549**	---	2.50	ug/L	5	09/08/22 18:55	EPA 8260D	
Xylenes, total	**1610**	---	7.50	ug/L	5	09/08/22 18:55	EPA 8260D	
Naphthalene	**655**	---	10.0	ug/L	5	09/08/22 18:55	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*	*09/08/22 18:55*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*		*80-120 %*	*09/08/22 18:55*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*		*80-120 %*	*09/08/22 18:55*	*EPA 8260D*	
MW6-090722 (A2I0205-02RE1)				**Matrix: Water**		**Batch: 22I0226**		
1,2,4-Trimethylbenzene	**1670**	---	10.0	ug/L	10	09/09/22 19:02	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*	*09/09/22 19:02*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*		*80-120 %*	*09/09/22 19:02*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*	*09/09/22 19:02*	*EPA 8260D*	
MW8-090722 (A2I0205-03RE1)				**Matrix: Water**		**Batch: 22I0226**		
Benzene	ND	---	0.200	ug/L	1	09/09/22 18:18	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/09/22 18:18	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	09/09/22 18:18	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/09/22 18:18	EPA 8260D	
Naphthalene	ND	---	2.00	ug/L	1	09/09/22 18:18	EPA 8260D	

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Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW8-090722 (A2I0205-03RE1)				**Matrix: Water**		**Batch: 22I0226**		
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	09/09/22 18:18	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*09/09/22 18:18*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*09/09/22 18:18*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*09/09/22 18:18*	*EPA 8260D*	
MW9-090722 (A2I0205-04)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	**0.720**	---	0.200	ug/L	1	09/08/22 17:48	EPA 8260D	
Toluene	**21.1**	---	1.00	ug/L	1	09/08/22 17:48	EPA 8260D	
Naphthalene	**174**	---	2.00	ug/L	1	09/08/22 17:48	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*09/08/22 17:48*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*09/08/22 17:48*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*09/08/22 17:48*	*EPA 8260D*	
MW9-090722 (A2I0205-04RE1)				**Matrix: Water**		**Batch: 22I0226**		
Ethylbenzene	**318**	---	5.00	ug/L	10	09/09/22 20:09	EPA 8260D	
Xylenes, total	**739**	---	15.0	ug/L	10	09/09/22 20:09	EPA 8260D	
1,2,4-Trimethylbenzene	**599**	---	10.0	ug/L	10	09/09/22 20:09	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*09/09/22 20:09*	*EPA 8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*09/09/22 20:09*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*09/09/22 20:09*	*EPA 8260D*	
MW10-090722 (A2I0205-05)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	**1.31**	---	0.200	ug/L	1	09/08/22 18:10	EPA 8260D	
Toluene	**1.14**	---	1.00	ug/L	1	09/08/22 18:10	EPA 8260D	
Ethylbenzene	**80.7**	---	0.500	ug/L	1	09/08/22 18:10	EPA 8260D	
Xylenes, total	**97.0**	---	1.50	ug/L	1	09/08/22 18:10	EPA 8260D	
Naphthalene	**111**	---	2.00	ug/L	1	09/08/22 18:10	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/08/22 18:10*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*09/08/22 18:10*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*09/08/22 18:10*	*EPA 8260D*	
MW10-090722 (A2I0205-05RE1)				**Matrix: Water**		**Batch: 22I0226**		
1,2,4-Trimethylbenzene	**223**	---	10.0	ug/L	10	09/09/22 18:40	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/09/22 18:40*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*09/09/22 18:40*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*09/09/22 18:40*	*EPA 8260D*	

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW11-090722 (A2I0205-06)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	**2.52**	---	0.200	ug/L	1	09/08/22 19:39	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*09/08/22 19:39*	*EPA 8260D*	
Toluene-d8 (Surr)			*106 %*	*80-120 %*	*1*	*09/08/22 19:39*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*09/08/22 19:39*	*EPA 8260D*	
MW11-090722 (A2I0205-06RE2)				**Matrix: Water**		**Batch: 22I0288**		
Toluene	**2310**	---	100	ug/L	100	09/12/22 19:55	EPA 8260D	
Ethylbenzene	**2800**	---	50.0	ug/L	100	09/12/22 19:55	EPA 8260D	
Xylenes, total	**17600**	---	150	ug/L	100	09/12/22 19:55	EPA 8260D	
Naphthalene	**443**	---	200	ug/L	100	09/12/22 19:55	EPA 8260D	
1,2,4-Trimethylbenzene	**2620**	---	100	ug/L	100	09/12/22 19:55	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*09/12/22 19:55*	*EPA 8260D*	
Toluene-d8 (Surr)			*106 %*	*80-120 %*	*1*	*09/12/22 19:55*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*09/12/22 19:55*	*EPA 8260D*	
MW11-090722DUP (A2I0205-07)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	**2.46**	---	0.200	ug/L	1	09/08/22 20:02	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*09/08/22 20:02*	*EPA 8260D*	
Toluene-d8 (Surr)			*106 %*	*80-120 %*	*1*	*09/08/22 20:02*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*80-120 %*	*1*	*09/08/22 20:02*	*EPA 8260D*	
MW11-090722DUP (A2I0205-07RE2)				**Matrix: Water**		**Batch: 22I0288**		
Toluene	**2000**	---	100	ug/L	100	09/12/22 20:40	EPA 8260D	
Ethylbenzene	**2150**	---	50.0	ug/L	100	09/12/22 20:40	EPA 8260D	
Xylenes, total	**13200**	---	150	ug/L	100	09/12/22 20:40	EPA 8260D	
Naphthalene	**395**	---	200	ug/L	100	09/12/22 20:40	EPA 8260D	
1,2,4-Trimethylbenzene	**2560**	---	100	ug/L	100	09/12/22 20:40	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*09/12/22 20:40*	*EPA 8260D*	
Toluene-d8 (Surr)			*106 %*	*80-120 %*	*1*	*09/12/22 20:40*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*09/12/22 20:40*	*EPA 8260D*	
MW12-090822 (A2I0205-08)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	**0.910**	---	0.200	ug/L	1	09/08/22 18:33	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/08/22 18:33	EPA 8260D	
Ethylbenzene	**104**	---	0.500	ug/L	1	09/08/22 18:33	EPA 8260D	
Xylenes, total	**338**	---	1.50	ug/L	1	09/08/22 18:33	EPA 8260D	
Naphthalene	**107**	---	2.00	ug/L	1	09/08/22 18:33	EPA 8260D	

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Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
MW12-090822 (A2I0205-08)				**Matrix: Water**		**Batch: 22I0220**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*09/08/22 18:33*	*EPA 8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*09/08/22 18:33*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*106 %*	*80-120 %*	*1*	*09/08/22 18:33*	*EPA 8260D*	
MW12-090822 (A2I0205-08RE1)				**Matrix: Water**		**Batch: 22I0226**		
1,2,4-Trimethylbenzene	**762**	---	10.0	ug/L	10	09/09/22 19:47	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/09/22 19:47*	*EPA 8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*09/09/22 19:47*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*09/09/22 19:47*	*EPA 8260D*	
TRIPBLANK-090722 (A2I0205-09)				**Matrix: Water**		**Batch: 22I0220**		
Benzene	ND	---	0.200	ug/L	1	09/08/22 16:41	EPA 8260D	
Toluene	ND	---	1.00	ug/L	1	09/08/22 16:41	EPA 8260D	
Ethylbenzene	ND	---	0.500	ug/L	1	09/08/22 16:41	EPA 8260D	
Xylenes, total	ND	---	1.50	ug/L	1	09/08/22 16:41	EPA 8260D	
Naphthalene	ND	---	2.00	ug/L	1	09/08/22 16:41	EPA 8260D	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	09/08/22 16:41	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*09/08/22 16:41*	*EPA 8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*09/08/22 16:41*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*09/08/22 16:41*	*EPA 8260D*	

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0220 - EPA 5030C									Water			
Blank (22I0220-BLK1)		Prepared: 09/08/22 14:09		Analyzed: 09/08/22 16:19								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*98 %*		*50-150 %*			*"*					
LCS (22I0220-BS2)		Prepared: 09/08/22 14:09		Analyzed: 09/08/22 15:56								
NWTPH-Gx (MS)												
Gasoline Range Organics	429	---	100	ug/L	1	500	---	86	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 97 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*99 %*		*50-150 %*			*"*					
Duplicate (22I0220-DUP1)		Prepared: 09/08/22 14:41		Analyzed: 09/08/22 19:17								
QC Source Sample: MW6-090722 (A2I0205-02)												
NWTPH-Gx (MS)												
Gasoline Range Organics	**17100**	---	500	ug/L	5	---	16200	---	---	5	30%	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)		*98 %*		*50-150 %*			*"*					

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
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QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0226 - EPA 5030C									Water			
Blank (22I0226-BLK1)		Prepared: 09/09/22 08:54 Analyzed: 09/09/22 12:20										
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	100	ug/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 95 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*103 %*		*50-150 %*			*"*				
LCS (22I0226-BS2)		Prepared: 09/09/22 08:54 Analyzed: 09/09/22 11:58										
NWTPH-Gx (MS)												
Gasoline Range Organics	497	---	100	ug/L	1	500	---	99	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*102 %*		*50-150 %*			*"*				

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0220 - EPA 5030C												**Water**
Blank (22I0220-BLK1)		Prepared: 09/08/22 14:09		Analyzed: 09/08/22 16:19								
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*103 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*101 %*		*80-120 %*			*"*					
LCS (22I0220-BS1)		Prepared: 09/08/22 14:09		Analyzed: 09/08/22 15:34								
EPA 8260D												
Benzene	18.7	---	0.200	ug/L	1	20.0	---	94	80 - 120%	---	---	
Toluene	19.1	---	1.00	ug/L	1	20.0	---	96	80 - 120%	---	---	
Ethylbenzene	19.7	---	0.500	ug/L	1	20.0	---	98	80 - 120%	---	---	
Xylenes, total	60.0	---	1.50	ug/L	1	60.0	---	100	80 - 120%	---	---	
Naphthalene	21.5	---	2.00	ug/L	1	20.0	---	108	80 - 120%	---	---	
1,2,4-Trimethylbenzene	20.6	---	1.00	ug/L	1	20.0	---	103	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*100 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*99 %*		*80-120 %*			*"*					
Duplicate (22I0220-DUP1)		Prepared: 09/08/22 14:41		Analyzed: 09/08/22 19:17								
QC Source Sample: MW6-090722 (A2I0205-02)												
EPA 8260D												
Benzene	ND	---	1.00	ug/L	5	---	ND	---	---	---	30%	
Toluene	**46.6**	---	5.00	ug/L	5	---	44.4	---	---	5	30%	
Ethylbenzene	**576**	---	2.50	ug/L	5	---	549	---	---	5	30%	
Xylenes, total	**1690**	---	7.50	ug/L	5	---	1610	---	---	5	30%	
Naphthalene	**672**	---	10.0	ug/L	5	---	655	---	---	3	30%	
1,2,4-Trimethylbenzene	**1630**	---	5.00	ug/L	5	---	1560	---	---	4	30%	E
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 100 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*100 %*		*80-120 %*			*"*					

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Cameron O'Brien, Project Manager

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ORELAP ID: **OR100062**

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0220 - EPA 5030C												**Water**
Duplicate (22I0220-DUP1)	Prepared: 09/08/22 14:41 Analyzed: 09/08/22 19:17											
QC Source Sample: MW6-090722 (A2I0205-02)												
Surr: 4-Bromofluorobenzene (Surr)	*Recovery: 101 %*		*Limits: 80-120 %*		*Dilution: 1x*							

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ANALYTICAL REPORT

Pacific Crest	Project: Gary's Cleanup	
1531 Bendigo Blvd PO Box 952	Project Number: 173-002	Report ID:
North Bend, WA 98045	Project Manager: Lauren Carroll	A2I0205 - 09 15 22 1633

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0226 - EPA 5030C							Water					
Blank (22I0226-BLK1)		Prepared: 09/09/22 08:54 Analyzed: 09/09/22 12:20										
EPA 8260D												
Benzene	ND	---	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*104 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*80-120 %*			*"*				
LCS (22I0226-BS1)		Prepared: 09/09/22 08:54 Analyzed: 09/09/22 11:22										
EPA 8260D												
Benzene	19.6	---	0.200	ug/L	1	20.0	---	98	80 - 120%	---	---	
Toluene	19.6	---	1.00	ug/L	1	20.0	---	98	80 - 120%	---	---	
Ethylbenzene	20.1	---	0.500	ug/L	1	20.0	---	100	80 - 120%	---	---	
Xylenes, total	61.7	---	1.50	ug/L	1	60.0	---	103	80 - 120%	---	---	
Methyl tert-butyl ether (MTBE)	19.7	---	1.00	ug/L	1	20.0	---	99	80 - 120%	---	---	
Naphthalene	20.4	---	2.00	ug/L	1	20.0	---	102	80 - 120%	---	---	
1,2-Dibromoethane (EDB)	20.4	---	0.500	ug/L	1	20.0	---	102	80 - 120%	---	---	
1,2-Dichloroethane (EDC)	21.2	---	0.500	ug/L	1	20.0	---	106	80 - 120%	---	---	
Isopropylbenzene	20.9	---	1.00	ug/L	1	20.0	---	104	80 - 120%	---	---	
1,2,4-Trimethylbenzene	20.8	---	1.00	ug/L	1	20.0	---	104	80 - 120%	---	---	
1,3,5-Trimethylbenzene	20.4	---	1.00	ug/L	1	20.0	---	102	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*103 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0288 - EPA 5030C												**Water**
Blank (22I0288-BLK1)		Prepared: 09/12/22 08:26 Analyzed: 09/12/22 13:37										
EPA 8260D												
Toluene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.500	ug/L	1	---	---	---	---	---	---	
Xylenes, total	ND	---	1.50	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	---	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	1.00	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*105 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*80-120 %*			*"*				
LCS (22I0288-BS1)		Prepared: 09/12/22 08:26 Analyzed: 09/12/22 11:28										
EPA 8260D												
Toluene	19.4	---	1.00	ug/L	1	20.0	---	97	80 - 120%	---	---	
Ethylbenzene	19.8	---	0.500	ug/L	1	20.0	---	99	80 - 120%	---	---	
Xylenes, total	60.6	---	1.50	ug/L	1	60.0	---	101	80 - 120%	---	---	
Naphthalene	20.5	---	2.00	ug/L	1	20.0	---	102	80 - 120%	---	---	
1,2,4-Trimethylbenzene	20.2	---	1.00	ug/L	1	20.0	---	101	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 97 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*103 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*			*"*				

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
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North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

SAMPLE PREPARATION INFORMATION

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22I0220							
A2I0205-01	Water	NWTPH-Gx (MS)	09/08/22 08:25	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-02	Water	NWTPH-Gx (MS)	09/07/22 14:00	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-05	Water	NWTPH-Gx (MS)	09/07/22 16:20	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-09	Water	NWTPH-Gx (MS)	09/07/22 07:00	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
Batch: 22I0226							
A2I0205-03RE1	Water	NWTPH-Gx (MS)	09/07/22 13:30	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-04RE1	Water	NWTPH-Gx (MS)	09/07/22 15:45	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-06RE1	Water	NWTPH-Gx (MS)	09/07/22 14:50	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-07RE1	Water	NWTPH-Gx (MS)	09/07/22 14:55	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-08RE1	Water	NWTPH-Gx (MS)	09/08/22 07:45	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00

Selected Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030C

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22I0220							
A2I0205-01	Water	EPA 8260D	09/08/22 08:25	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-02	Water	EPA 8260D	09/07/22 14:00	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-04	Water	EPA 8260D	09/07/22 15:45	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-05	Water	EPA 8260D	09/07/22 16:20	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-06	Water	EPA 8260D	09/07/22 14:50	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-07	Water	EPA 8260D	09/07/22 14:55	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-08	Water	EPA 8260D	09/08/22 07:45	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
A2I0205-09	Water	EPA 8260D	09/07/22 07:00	09/08/22 14:41	5mL/5mL	5mL/5mL	1.00
Batch: 22I0226							
A2I0205-01RE1	Water	EPA 8260D	09/08/22 08:25	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-02RE1	Water	EPA 8260D	09/07/22 14:00	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-03RE1	Water	EPA 8260D	09/07/22 13:30	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-04RE1	Water	EPA 8260D	09/07/22 15:45	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-05RE1	Water	EPA 8260D	09/07/22 16:20	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
A2I0205-08RE1	Water	EPA 8260D	09/08/22 07:45	09/09/22 09:54	5mL/5mL	5mL/5mL	1.00
Batch: 22I0288							
A2I0205-06RE2	Water	EPA 8260D	09/07/22 14:50	09/12/22 12:26	5mL/5mL	5mL/5mL	1.00
A2I0205-07RE2	Water	EPA 8260D	09/07/22 14:55	09/12/22 12:26	5mL/5mL	5mL/5mL	1.00

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Cameron O'Brien, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

E	Estimated Value. The result is above the calibration range of the instrument.

Apex Laboratories

Cameron O'Brien, Project Manager

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Pacific Crest	Project: **Gary's Cleanup**	
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North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

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Pacific Crest	Project: **Gary's Cleanup**	
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North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Cameron O'Brien, Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Cameron O'Brien, Project Manager

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ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
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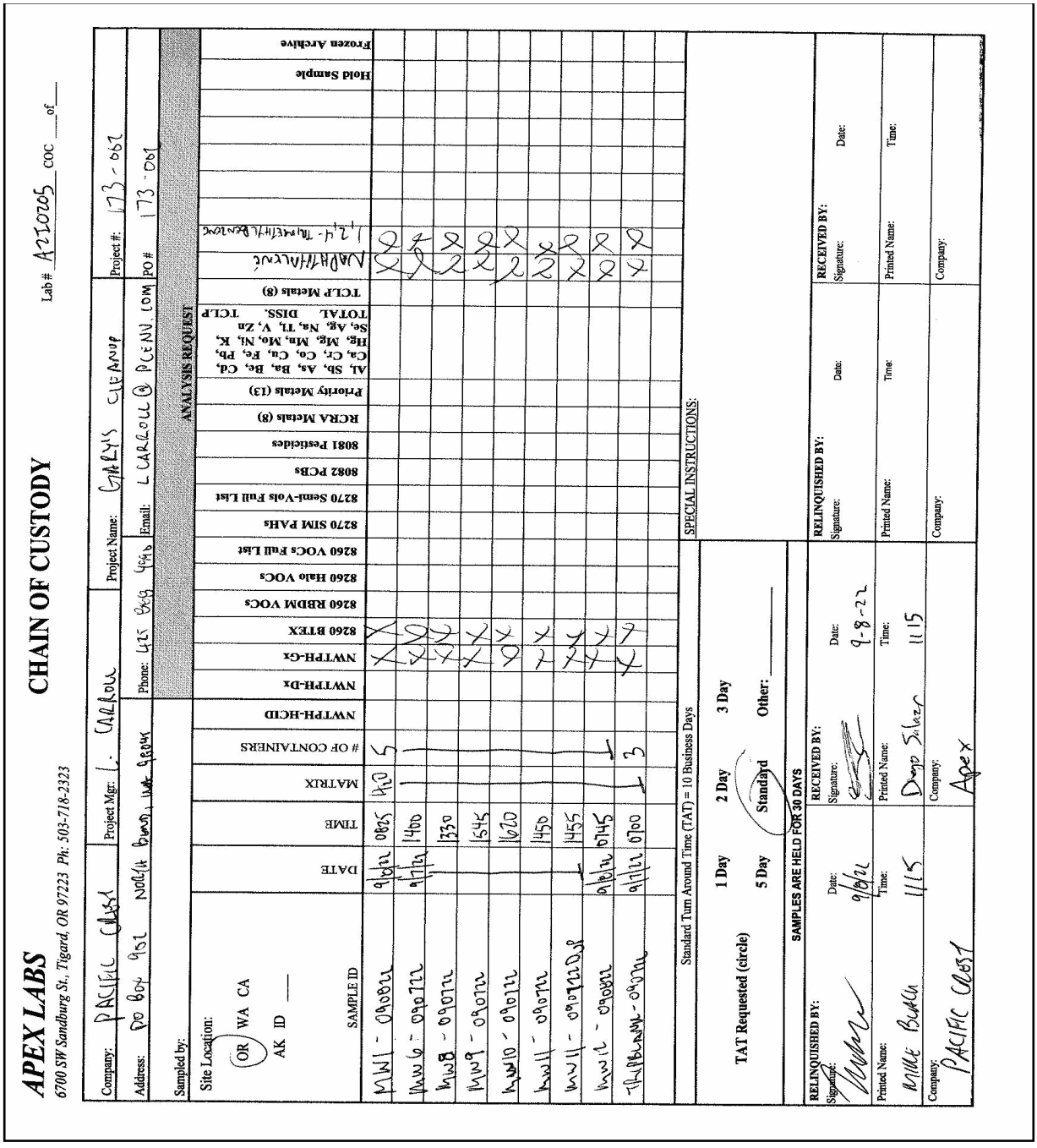

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A210205 COC ___ of ___

Company: Pacific Crest | Project Mgr: L. Carroll | Project Name: Gary's Cleanup | Project #: 173-002
Address: PO Box 952 North Bend, WA 98045 | Phone: 425 888 4626 | Email: L CARROLL@PCENV.COM | PO # 173-001
Sampled by: Mike Burch, Dave Salazar

Site Location: (OR) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Naphthalene	1,2,4-Trimethylbenzene	Hold Sample	Frozen Archive
MW-09082022	9/8/22	0805	H2O	5			X	X												X	X		
MW-6-09082022	9/7/22	1400		1																			
MW-8-09072022		1330					X	X												X	X		
MW-9-09072022		1545					X	X												X	X		
MW-10-09072022		1620					X	X												X	X		
MW-11-09072022		1450					X	X												X	X		
MW-11-09082022D	9/8/22	1455					X	X												X	X		
MW-12-09082022		0745		3			X	X												X	X		
TRIP BLANK-09072022	9/7/22	0700		1			X	X												X	X		

Standard Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 5 Day Standard Other: ___

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	RECEIVED BY:	Date:	RELINQUISHED BY:	Date:	RECEIVED BY:	Date:
Signature:	9/8/22	Signature:	9-8-22	Signature:		Signature:	
Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:
Mike Burch	1115	Dave Salazar	1115				
Company: PACIFIC CREST		Company: Apex		Company:		Company:	

Apex Laboratories

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Cameron O'Brien, Project Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Pacific Crest	Project: **Gary's Cleanup**	
1531 Bendigo Blvd PO Box 952	Project Number: **173-002**	**Report ID:**
North Bend, WA 98045	Project Manager: **Lauren Carroll**	**A2I0205 - 09 15 22 1633**

APEX LABS COOLER RECEIPT FORM

Client: Pacific Crest Element WO#: A2I0205

Project/Project #: Gary's Cleanup 173-002

Delivery Info:

Date/time received: 9-8-22 @ 1115 By: DJS

Delivered by: Apex___Client X ESS___FedEx___UPS___Swift___Senvoy___SDS___Other___

Cooler Inspection Date/time inspected: 9-8-22 @ 1116 By: DJS

Chain of Custody included? Yes X No ___ Custody seals? Yes___ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	4.9						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Melted/Real						
Condition:	Good						

Cooler out of temp? (Y/(N)) Possible reason why: ___

Green dots applied to out of temperature samples? Yes (No)

Out of temperature samples form initiated? Yes (No) 09/08/22

Sample Inspection: Date/time inspected: 09/08/22 @ 12:19 By: RHP

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes ___ No X Comments: date reads 09/07/22 on Sample MW1-090822. container ID's reads MSJ 9-9-22 read MW1-090722 for sample MW1-090822. *

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ___

Do VOA vials have visible headspace? Yes ___ No X NA ___

Comments ~~[illegible]~~ RHP 09/08/22 5/5 VOA have Sediment

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X

Comments: ___

Additional information: MW9, MW10, MW11, MW11DUP

* MW11-090722DUP times read MSJ 9-8-22 1555 on containers.

Labeled by: DJS Witness: KAM Cooler Inspected by: DJS

Form Y-003 R-00

Apex Laboratories

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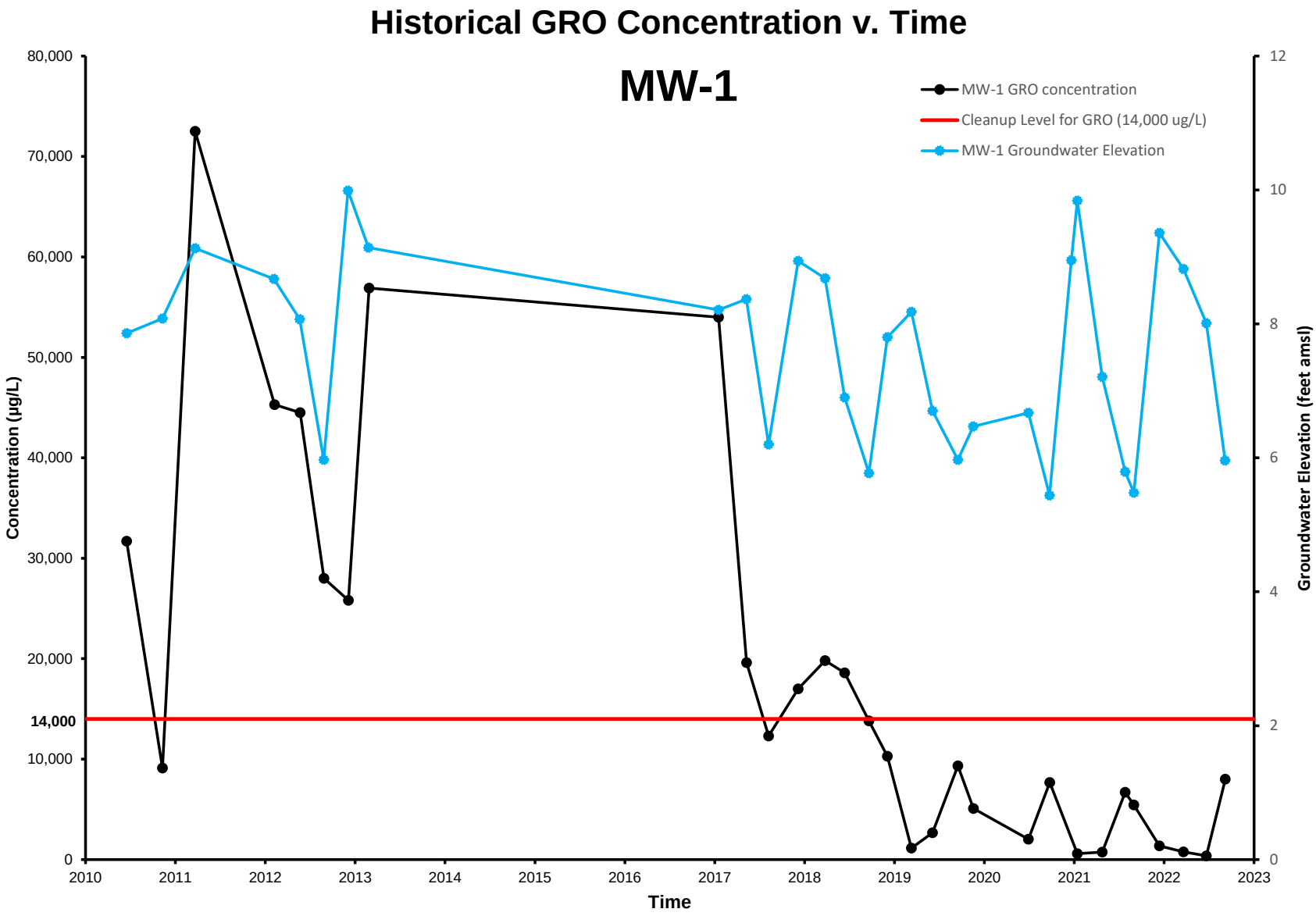
Cameron O'Brien, Project Manager

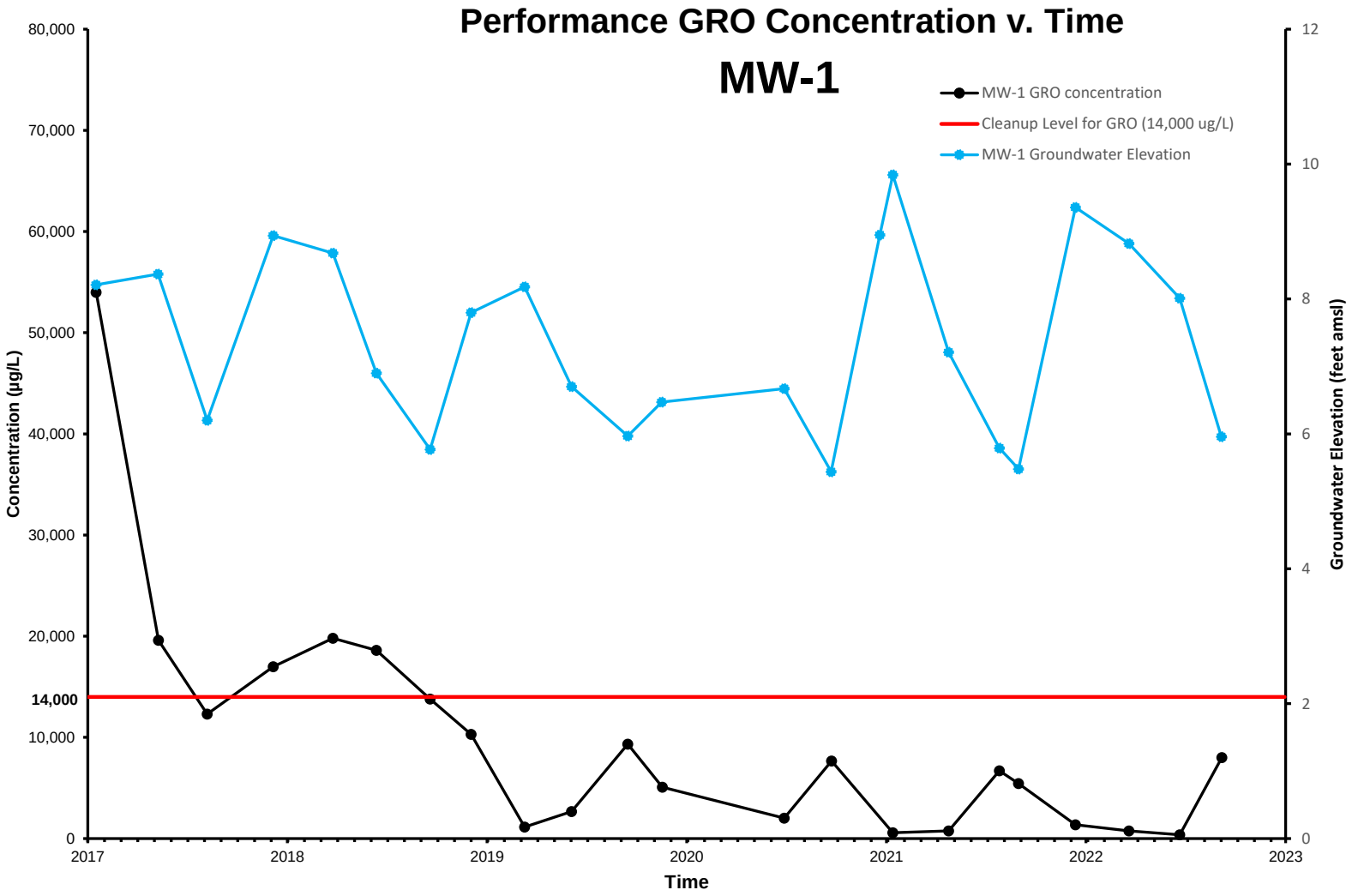
APPENDIX B
GROUNDWATER TEMPORAL GRAPHS (HISTORICAL AND PERFORMANCE MONITORING PERIODS)

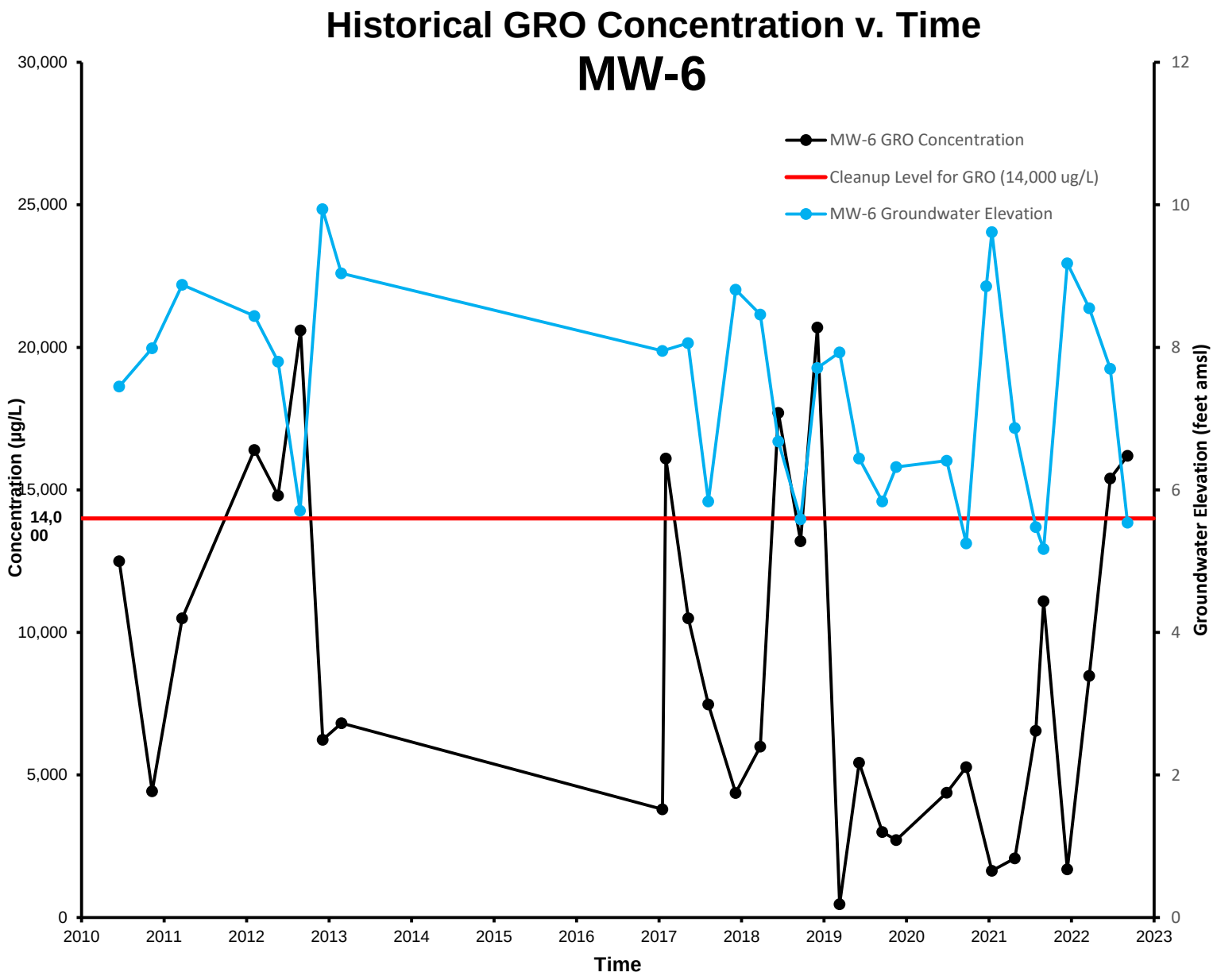
CONDITIONAL CLOSURE REPORT

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

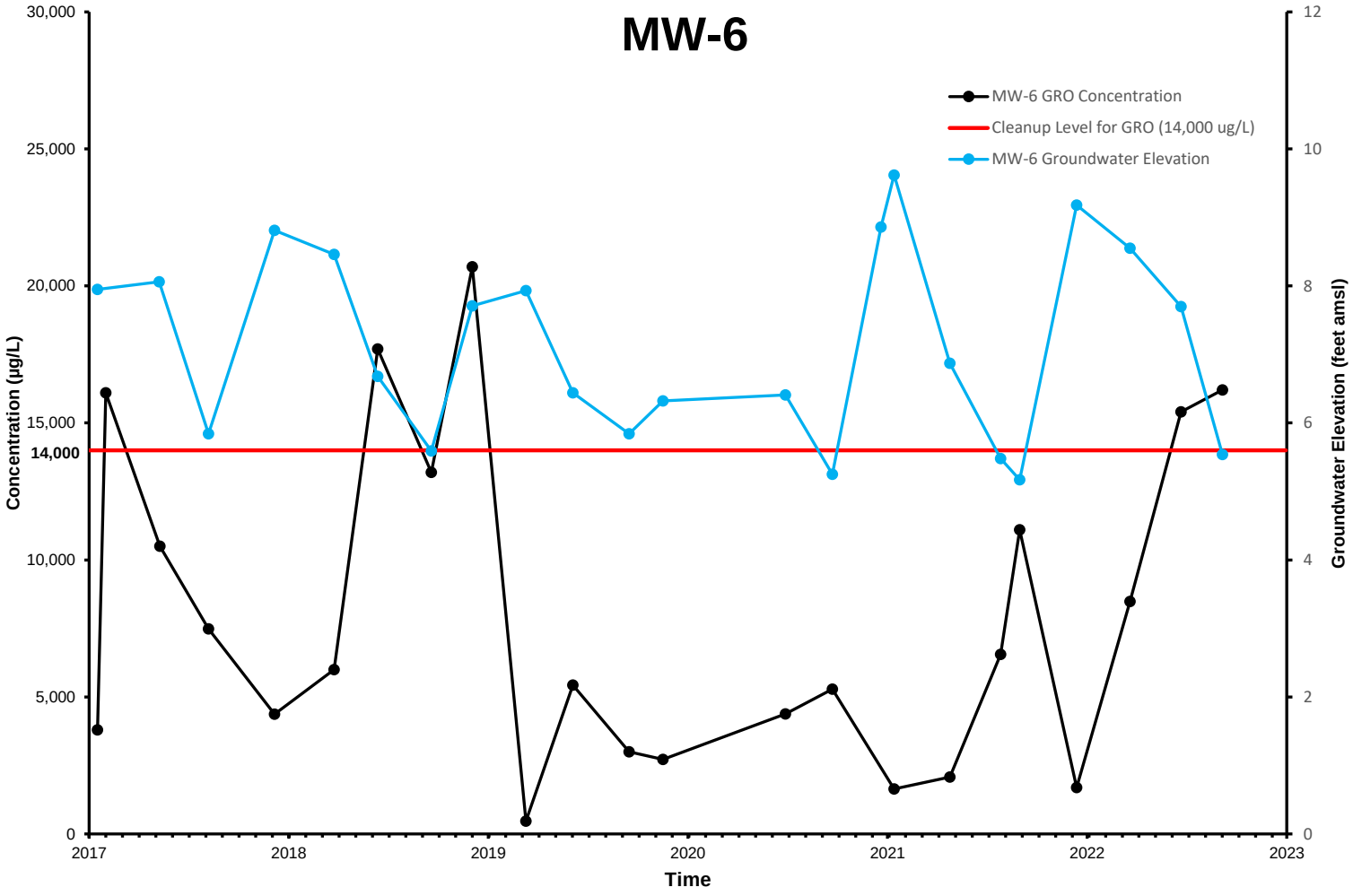
Pacific Crest No: 173-002

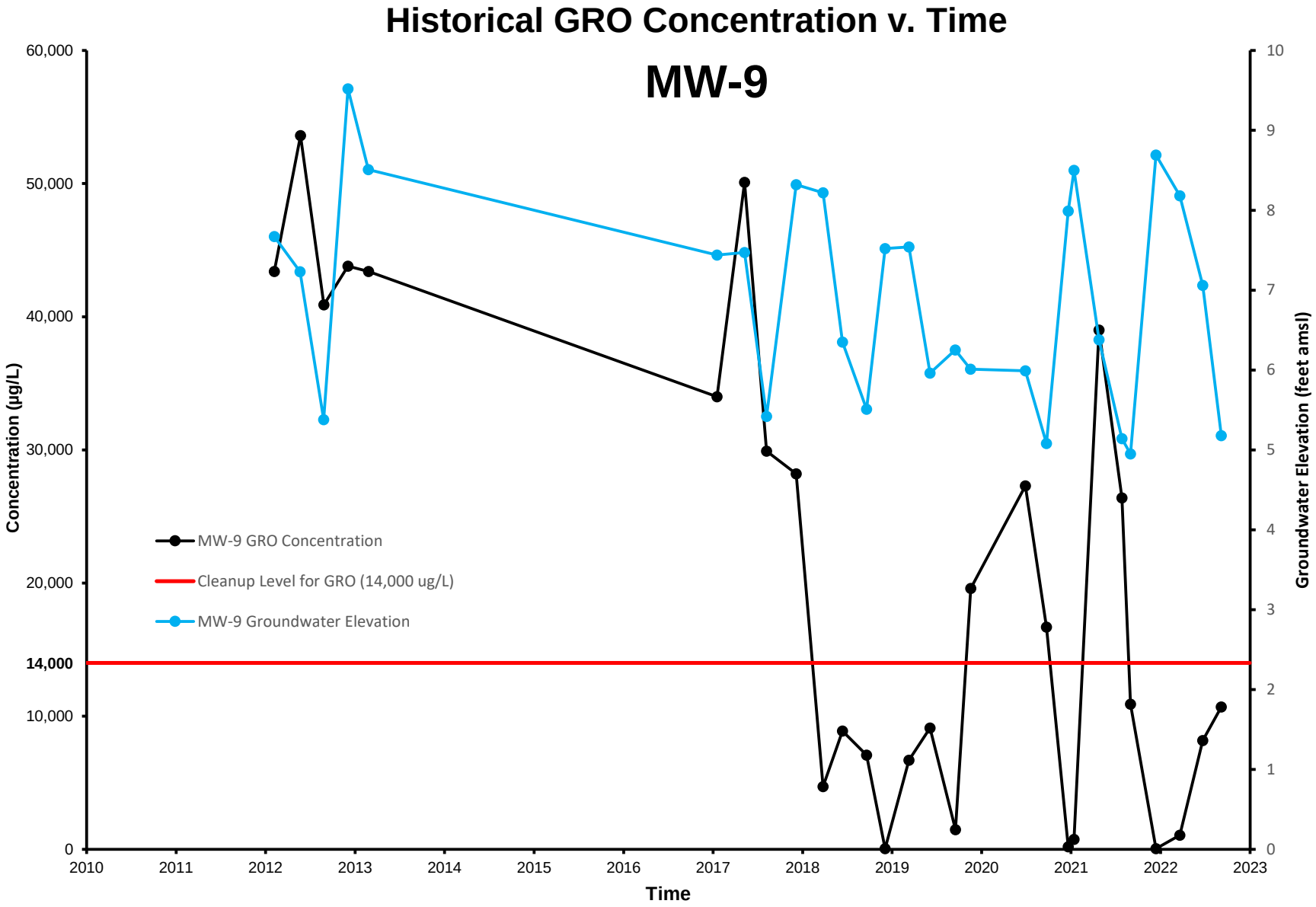

Historical GRO Concentration v. Time
MW-1
MW-1 GRO concentration
Cleanup Level for GRO (14,000 ug/L)
MW-1 Groundwater Elevation
Concentration (µg/L)
Groundwater Elevation (feet amsl)
Time
80,000
70,000
60,000
50,000
40,000
30,000
20,000
14,000
10,000
0
12
10
8
6
4
2
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023


Performance GRO Concentration v. Time
MW-1
MW-1 GRO concentration
Cleanup Level for GRO (14,000 ug/L)
MW-1 Groundwater Elevation
Concentration (µg/L)
Groundwater Elevation (feet amsl)
Time
80,000
70,000
60,000
50,000
40,000
30,000
20,000
14,000
10,000
0
12
10
8
6
4
2
0
2017
2018
2019
2020
2021
2022
2023

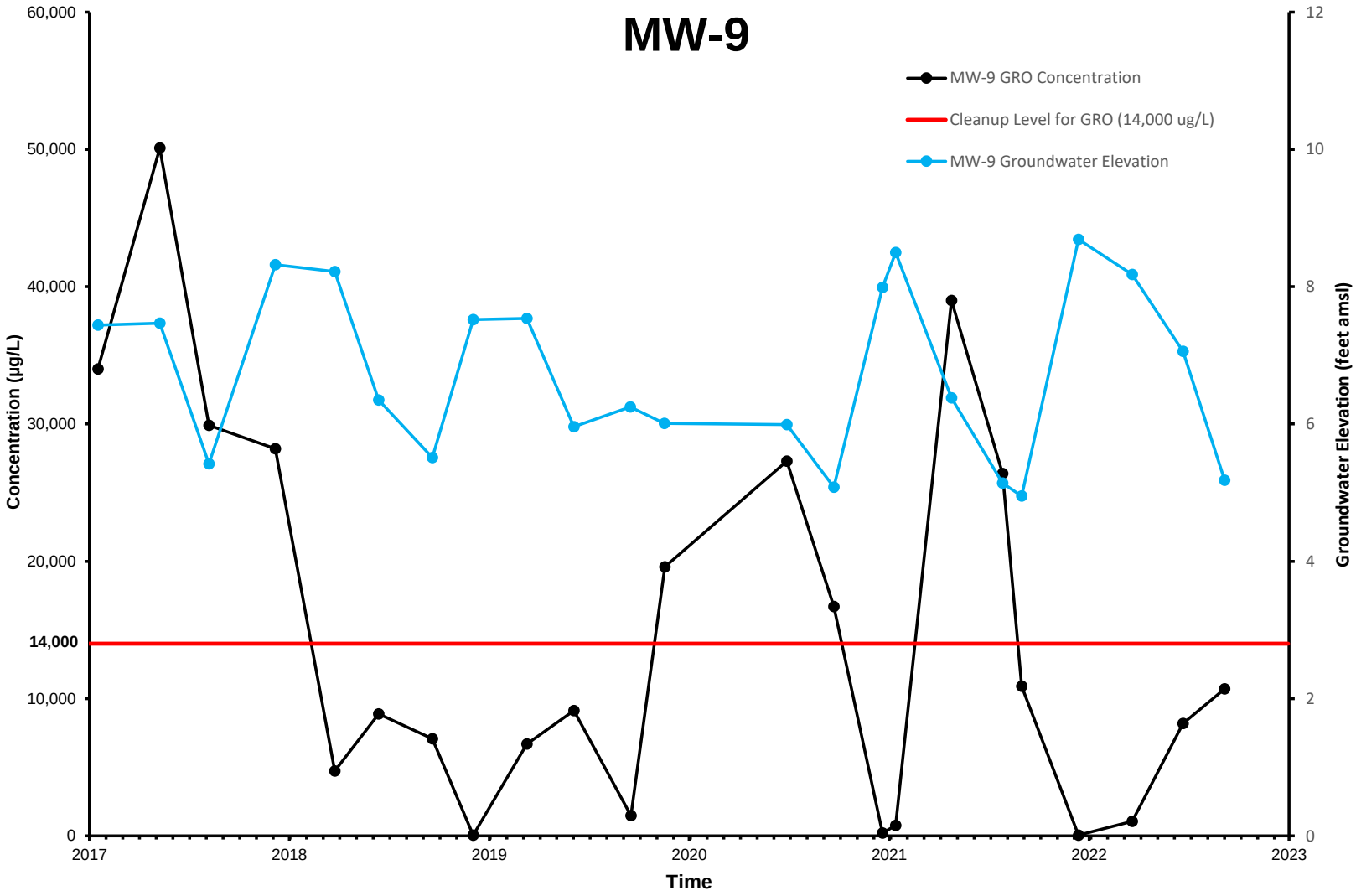

Historical GRO Concentration v. Time
MW-6
MW-6 GRO Concentration
Cleanup Level for GRO (14,000 ug/L)
MW-6 Groundwater Elevation
Concentration (µg/L)
Groundwater Elevation (feet amsl)
Time
14,000
30,000
25,000
20,000
15,000
10,000
5,000
0
12
10
8
6
4
2
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023

Performance GRO Concentration v. Time

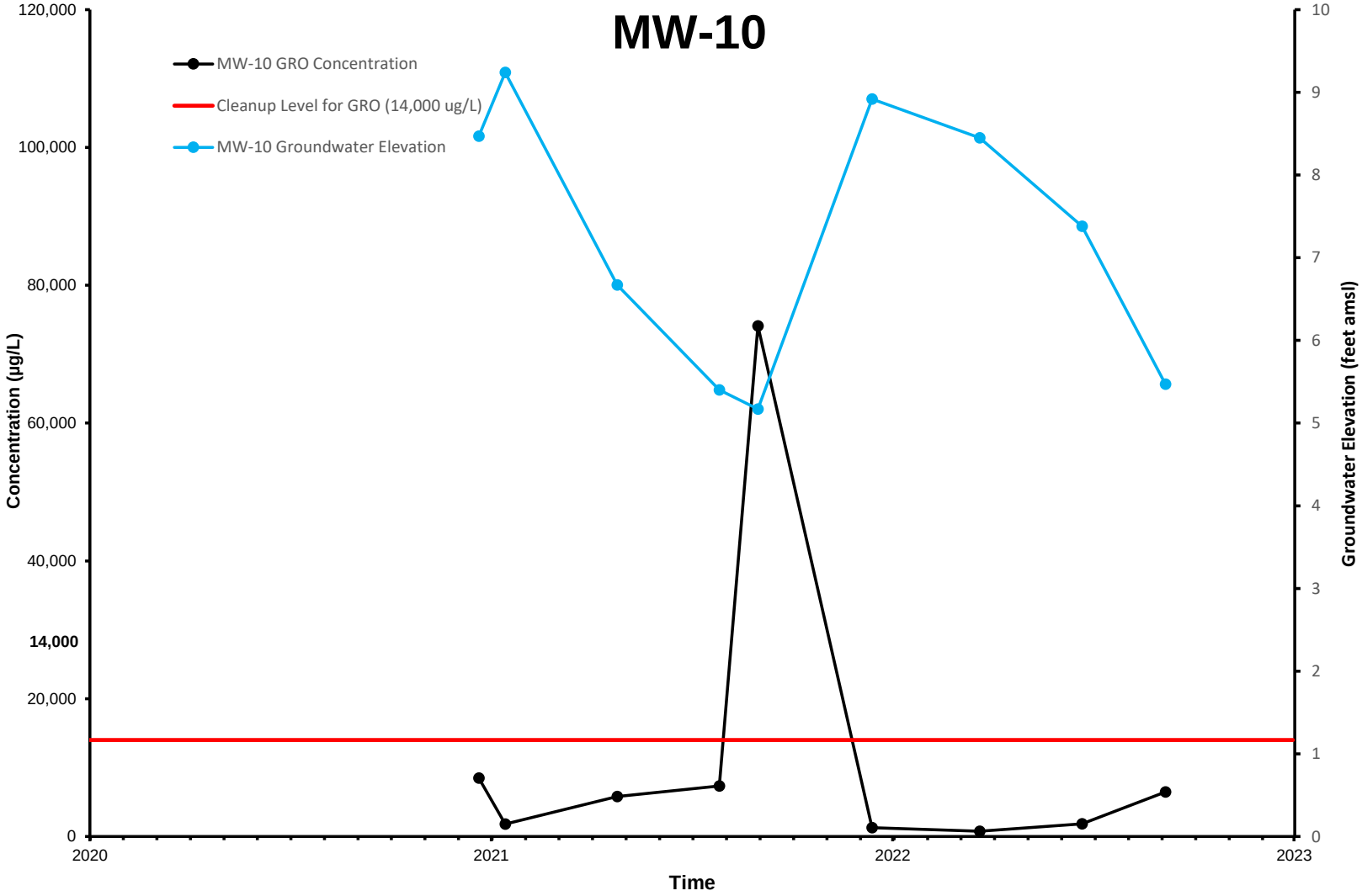



Historical GRO Concentration v. Time
MW-9
Concentration (µg/L)
Groundwater Elevation (feet amsl)
Time
MW-9 GRO Concentration
Cleanup Level for GRO (14,000 ug/L)
MW-9 Groundwater Elevation
60,000
50,000
40,000
30,000
20,000
14,000
10,000
0
10
9
8
7
6
5
4
3
2
1
0
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023

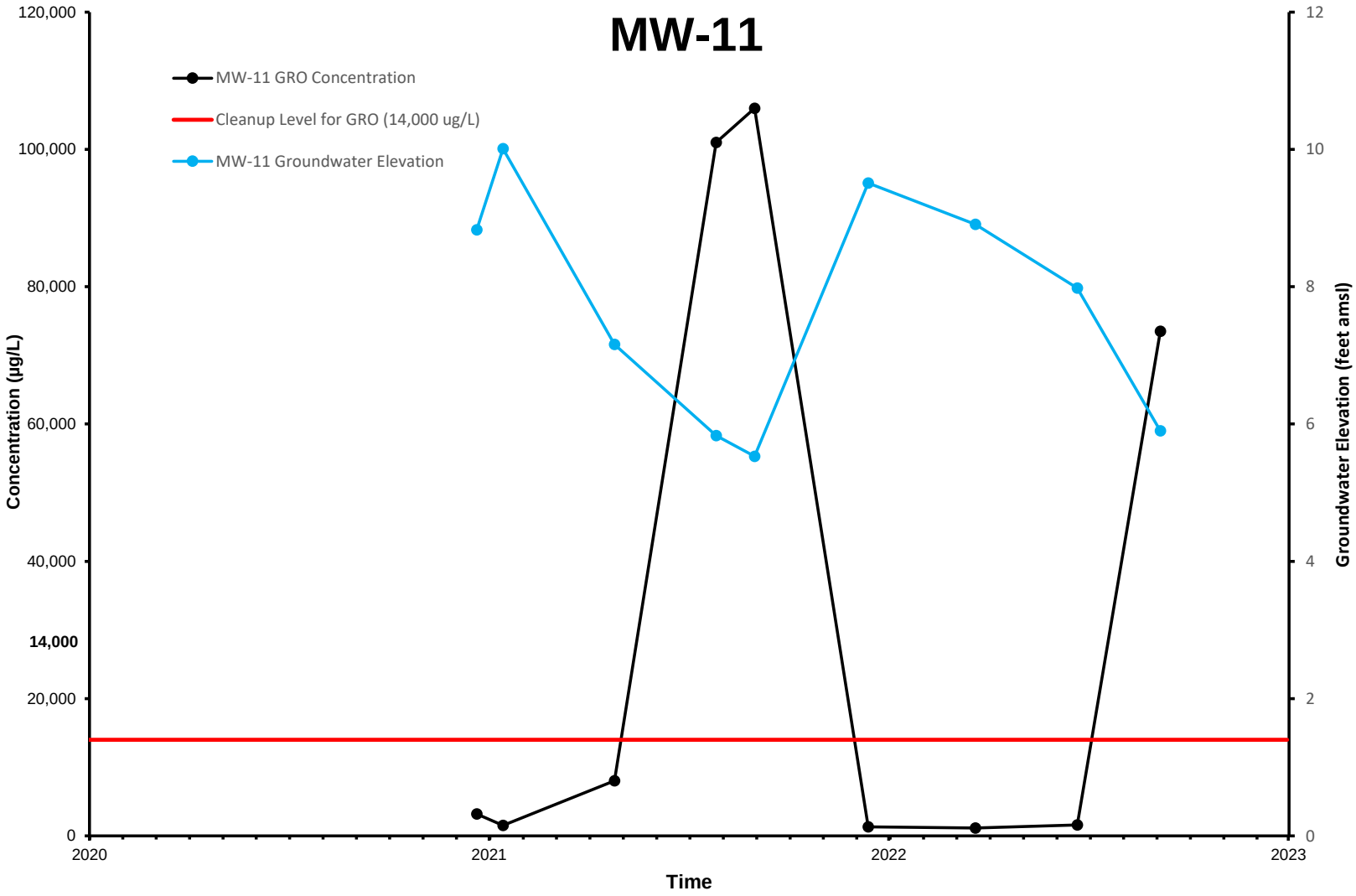
Performance GRO Concentration v. Time



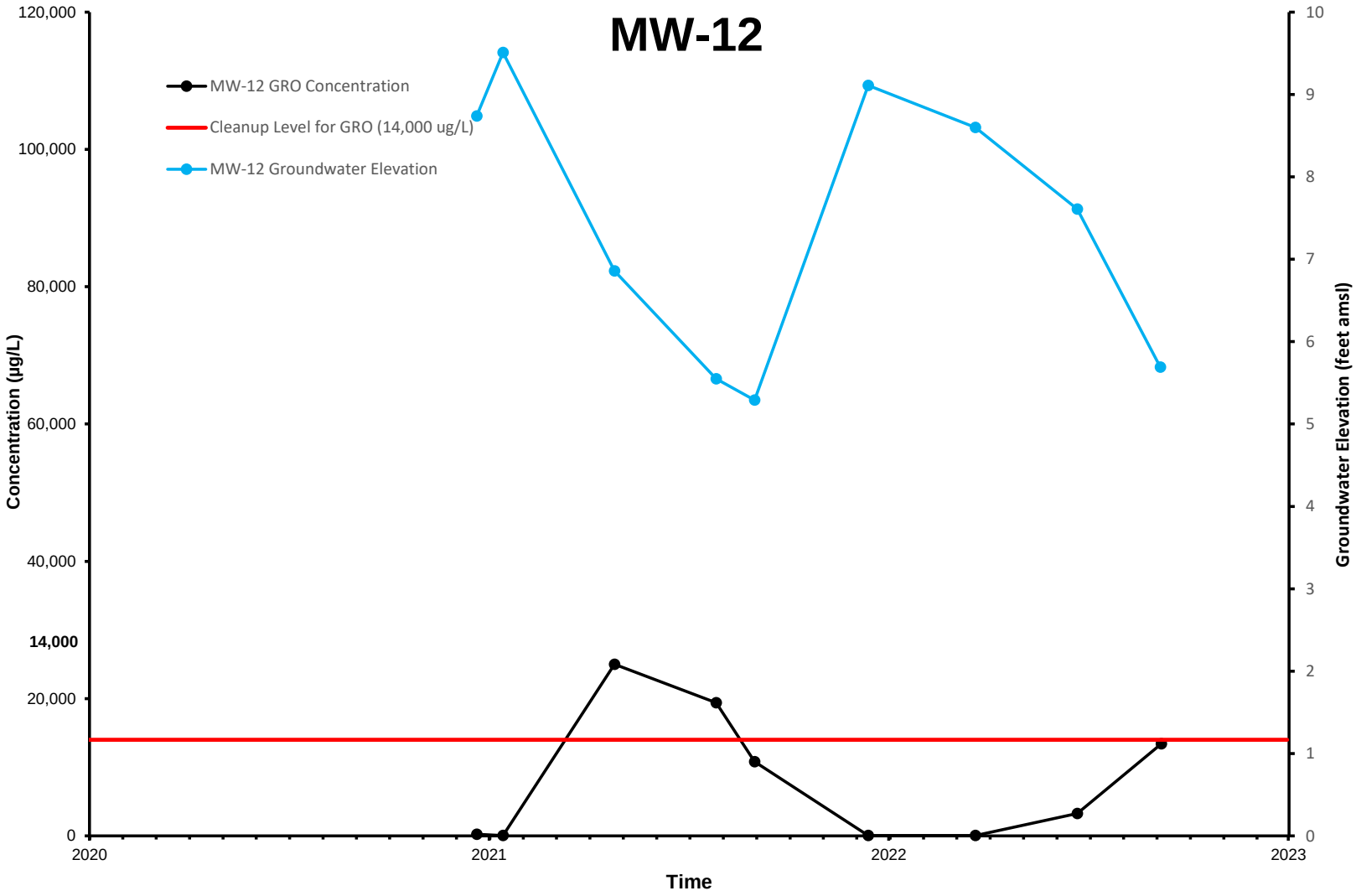
Performance GRO Concentration v. Time



Performance GRO Concentration v. Time



Performance GRO Concentration v. Time



APPENDIX C
EQUITABLE SERVITUDE AND EASEMENT DOCUMENTS

CONDITIONAL CLOSURE REPORT

Gary's Cannon Beach Service Center
280 North Hemlock Street
Cannon Beach, Oregon

Pacific Crest No: 173-002

After recording, return to:

Grantor
WEBBS SCENIC SURF MOTEL LLC
255 NORTH LARCH STREET
CANNON BEACH, OREGON 97110

Grantee
OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
475 NE BELLEVUE DRIVE #110
BEND, OREGON 97701

EQUITABLE SERVITUDE AND EASEMENT

This grant of Easement and acceptance of Equitable Servitudes is made this ____ day of _____, 202_, between Webbs Scenic Surface Motel LLC (Grantor) and the Oregon Department of Environmental Quality ("DEQ" or "Grantee").

RECITALS

1. Grantor is the owner of the real property located at 255 North Larch Street (Parcel No. 51019DD01600) in Cannon Beach, Oregon 97110 (the "Property"), the location of which is more particularly described in Attachment A to this Equitable Servitude and Easement.

2. In accordance with the Oregon DEQ *Final Draft Corrective Action Plan (CAP)* dated November 14, 2016, the remedial action selected for the Property requires, among other things: institutional controls requiring vapor barriers for future construction to minimize potential for vapor intrusion. Interested parties may contact the DEQ to review a detailed description of the residual risks present at the Property and described in the Conditional Closure Report, dated _____ __, 202_.

3. The provisions of this Equitable Servitude and Easement are intended to protect human health and the environment.

1. GENERAL DECLARATION

Grantor grants to DEQ an Easement for access and accepts the Equitable Servitudes described in this instrument and, in doing so, declares that the Property described in Attachment A to the Equitable Servitude and Easement, is now subject to and shall in future be conveyed, transferred, leased, encumbered, occupied, built upon, or otherwise used or improved, in whole or in part, subject to this Equitable Servitude and Easement. Each condition and restriction set forth in this Equitable Servitude and Easement touches and concerns the Property and the equitable servitude granted in paragraph 3 and easement granted in paragraph 4 below, shall run with the land for all purposes, shall be binding upon all current and future owners of the Property as set forth in this Equitable Servitude and Easement, and shall inure to the benefit of the State of Oregon. Grantor further conveys to

DEQ the perpetual right to enforce the conditions and restrictions set forth in the Equitable Servitude and Easement.

2. DEFINITIONS

2.1 “DEQ” means the Oregon Department of Environmental Quality, and its employees, agents, and authorized representatives. “DEQ” also means any successor or assign of DEQ under the laws of Oregon, including but not limited to any entity or instrumentality of the State of Oregon authorized to perform any of the functions or to exercise any of the powers currently performed or exercised by DEQ.

2.2 “Owner” means any person or entity, including Grantor, who at any time owns, occupies, or acquires any right, title or interest in or to any portion of the Property or a vendee’s interest of record to any portion of the Property, excluding any entity or person who holds such interest solely for the security for the payment of an obligation and does not possess or control use of the Property.

2.3 “Property” means the real property described in Exhibit A to this Equitable Servitude and Easement.

3. EQUITABLE SERVITUDE

3.1 **Conditions on Future Construction at Property.** Future buildings constructed at the Property must incorporate DEQ-approved, professionally installed vapor barriers into the building design. Owner shall not construct future buildings or allow other parties to occupy and/or construct future buildings unless this requirement has been satisfied or it has been demonstrated to the satisfaction of DEQ that this prohibition on construction is no longer necessary to protect human health.

3.2 **Contaminated Media Management Plan**. A Contaminated Media Management Plan (CMMP) has been prepared to inform decisions related to managing, characterizing, and disposing of contaminated media encountered during future redevelopment, construction and/or excavation at the Property. The Owner shall maintain the CMMP at the Property and convey the plan to future owners.

4. EASEMENT (RIGHT OF ENTRY)

During reasonable hours and subject to reasonable security requirements, DEQ may enter upon and inspect any portion of the Property to determine whether the requirements of this Equitable Servitude and Easement have been or are being complied with. Except when necessary to address an imminent threat to human health or the environment, DEQ will use its best efforts to notify the Owner 72 hours before DEQ entry to the Property. DEQ may enter upon the Property at any time to abate, mitigate, or cure at the expense of the Owner the violation of any condition or restriction contained in this Equitable Servitude and Easement, provided DEQ first gives written notice of the violation to Owner describing what is necessary to correct the violation and Owner fails to cure the violation within the time specified in such notice. Any such entry by DEQ to evaluate compliance or to abate, mitigate, or cure a violation may not be deemed a trespass.

5. GENERAL PROVISIONS

5.1 All conditions and restriction contained in this Equitable Servitude and Easement shall run with the land, until such time as any condition or restriction is removed by written certification from DEQ that the condition or restriction is no longer required in order to protect human health or the environment.

5.2 Any person who at any time owns, occupies, or acquires any right, title, or interest in or to any portion of the Property is and shall be conclusively deemed to have consented and agreed to every condition and restriction contained in this Equitable Servitude and Easement, whether or not any reference to this Equitable Servitude and Easement is contained in the instrument by which such person or entity acquired an interest in the Property.

5.3 The Owner of any portion of the Property shall notify DEQ at least ten (10) days before the effective date of any conveyance, grant, gift, or other transfer, in whole or in part, of the Owner's interest in the Property.

5.4 The Owner of the Property shall notify DEQ within thirty (30) days following Owner's petitioning for or filing of any document initiation a rezoning of the Property that would change the base zone of the Property.

5.5 Upon any violation of any condition or restriction contained in this Equitable Servitude and Easement, DEQ, in addition to the remedies described in paragraph 4, may seek available legal or equitable remedies to enforce this Equitable Servitude and Easement, including civil penalties as set forth in ORS 465.900.

IN WITNESS WHEREOF, Grantor and Grantee have executed this Equitable Servitude and Easement as of the date and year first set forth above.

GRANTOR: Webbs Scenic Surf Motel LLC

By: _____ Date: _____

State of _____ _____)
)
County of _____)

The foregoing instrument is acknowledged before me this ____ day of _____, 202_, by _____ of _____, on its behalf.

_____
NOTARY PUBLIC
My commission expires: _____

GRANTEE: State of Oregon, Department of Environmental Quality

By: _____ Date: _____

State of _____ _____)
)
County of _____)

The foregoing instrument is acknowledged before me this ____ day of _____, 202_, by _____ of _____, on its behalf.

_____
NOTARY PUBLIC
My commission expires: _____

After recording, return to:

Grantor
G. AND A. MOON TRUST
280 NORTH HEMLOCK STREET
CANNON BEACH, OREGON 97110

Grantee
OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
475 NE BELLEVUE DRIVE #110
BEND, OREGON 97701

EQUITABLE SERVITUDE AND EASEMENT

This grant of Easement and acceptance of Equitable Servitudes is made this ____ day of _____, 202_, between G. and A. Moon Trust (Grantor) and the Oregon Department of Environmental Quality ("DEQ" or "Grantee").

RECITALS

1. Grantor is the owner of the real property located at 280 North Hemlock Street (Parcel No. 51019DD01602) in Cannon Beach, Oregon 97110 (the "Property"), the location of which is more particularly described in Attachment A to this Equitable Servitude and Easement.

2. In accordance with the Oregon DEQ *Final Draft Corrective Action Plan (CAP)* dated November 14, 2016, the remedial action selected for the Property requires, among other things: institutional controls requiring vapor barriers for future construction to minimize potential for vapor intrusion. Interested parties may contact the DEQ to review a detailed description of the residual risks present at the Property and described in the Conditional Closure Report, dated _____ __, 202_.

3. The provisions of this Equitable Servitude and Easement are intended to protect human health and the environment.

1. GENERAL DECLARATION

Grantor grants to DEQ an Easement for access and accepts the Equitable Servitudes described in this instrument and, in doing so, declares that the Property described in Attachment A to the Equitable Servitude and Easement, is now subject to and shall in future be conveyed, transferred, leased, encumbered, occupied, built upon, or otherwise used or improved, in whole or in part, subject to this Equitable Servitude and Easement. Each condition and restriction set forth in this Equitable Servitude and Easement touches and concerns the Property and the equitable servitude granted in paragraph 3 and easement granted in paragraph 4 below, shall run with the land for all purposes, shall be binding upon all current and future owners of the Property as set forth in this Equitable Servitude and Easement, and shall inure to the benefit of the State of Oregon. Grantor further conveys to

DEQ the perpetual right to enforce the conditions and restrictions set forth in the Equitable Servitude and Easement.

2. DEFINITIONS

2.1 “DEQ” means the Oregon Department of Environmental Quality, and its employees, agents, and authorized representatives. “DEQ” also means any successor or assign of DEQ under the laws of Oregon, including but not limited to any entity or instrumentality of the State of Oregon authorized to perform any of the functions or to exercise any of the powers currently performed or exercised by DEQ.

2.2 “Owner” means any person or entity, including Grantor, who at any time owns, occupies, or acquires any right, title or interest in or to any portion of the Property or a vendee’s interest of record to any portion of the Property, excluding any entity or person who holds such interest solely for the security for the payment of an obligation and does not possess or control use of the Property.

2.3 “Property” means the real property described in Exhibit A to this Equitable Servitude and Easement.

3. EQUITABLE SERVITUDE

3.1 **Conditions on Future Construction at Property.** Future buildings constructed at the Property must incorporate DEQ-approved, professionally installed vapor barriers into the building design. Owner shall not construct future buildings or allow other parties to occupy and/or construct future buildings unless this requirement has been satisfied or it has been demonstrated to the satisfaction of DEQ that this prohibition on construction is no longer necessary to protect human health.

3.2 **Contaminated Media Management Plan**. A Contaminated Media Management Plan (CMMP) has been prepared to inform decisions related to managing, characterizing, and disposing of contaminated media encountered during future redevelopment, construction and/or excavation at the Property. The Owner shall maintain the CMMP at the Property and convey the plan to future owners.

4. EASEMENT (RIGHT OF ENTRY)

During reasonable hours and subject to reasonable security requirements, DEQ may enter upon and inspect any portion of the Property to determine whether the requirements of this Equitable Servitude and Easement have been or are being complied with. Except when necessary to address an imminent threat to human health or the environment, DEQ will use its best efforts to notify the Owner 72 hours before DEQ entry to the Property. DEQ may enter upon the Property at any time to abate, mitigate, or cure at the expense of the Owner the violation of any condition or restriction contained in this Equitable Servitude and Easement, provided DEQ first gives written notice of the violation to Owner describing what is necessary to correct the violation and Owner fails to cure the violation within the time specified in such notice. Any such entry by DEQ to evaluate compliance or to abate, mitigate, or cure a violation may not be deemed a trespass.

5. GENERAL PROVISIONS

5.1 All conditions and restriction contained in this Equitable Servitude and Easement shall run with the land, until such time as any condition or restriction is removed by written certification from DEQ that the condition or restriction is no longer required in order to protect human health or the environment.

5.2 Any person who at any time owns, occupies, or acquires any right, title, or interest in or to any portion of the Property is and shall be conclusively deemed to have consented and agreed to every condition and restriction contained in this Equitable Servitude and Easement, whether or not any reference to this Equitable Servitude and Easement is contained in the instrument by which such person or entity acquired an interest in the Property.

5.3 The Owner of any portion of the Property shall notify DEQ at least ten (10) days before the effective date of any conveyance, grant, gift, or other transfer, in whole or in part, of the Owner's interest in the Property.

5.4 The Owner of the Property shall notify DEQ within thirty (30) days following Owner's petitioning for or filing of any document initiation a rezoning of the Property that would change the base zone of the Property.

5.5 Upon any violation of any condition or restriction contained in this Equitable Servitude and Easement, DEQ, in addition to the remedies described in paragraph 4, may seek available legal or equitable remedies to enforce this Equitable Servitude and Easement, including civil penalties as set forth in ORS 465.900.

IN WITNESS WHEREOF, Grantor and Grantee have executed this Equitable Servitude and Easement as of the date and year first set forth above.

GRANTOR: G. and A. Moon Trust

By: _____ Date: _____

State of _____ _____)
)
County of _____)

The foregoing instrument is acknowledged before me this ____ day of _____, 202_, by _____ of _____, on its behalf.

_____
NOTARY PUBLIC
My commission expires: _____

GRANTEE: State of Oregon, Department of Environmental Quality

By: _____ Date: _____

State of _____ _____)
)
County of _____)

The foregoing instrument is acknowledged before me this ____ day of _____, 202_, by _____ of _____, on its behalf.

_____
NOTARY PUBLIC
My commission expires: _____

After recording, return to:

Grantor
CANNON BEACH CONFERENCE
288 NORTH HEMLOCK STREET
CANNON BEACH, OREGON 97110

Grantee
OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY
475 NE BELLEVUE DRIVE #110
BEND, OREGON 97701

EQUITABLE SERVITUDE AND EASEMENT

This grant of Easement and acceptance of Equitable Servitudes is made this ____ day of _____, 202_, between Cannon Beach Conference (Grantor) and the Oregon Department of Environmental Quality ("DEQ" or "Grantee").

RECITALS

1. Grantor is the owner of the real property located at 288 North Hemlock Street (Parcel No. 51019DD01500) in Cannon Beach, Oregon 97110 (the "Property"), the location of which is more particularly described in Attachment A to this Equitable Servitude and Easement.

2. In accordance with the Oregon DEQ *Final Draft Corrective Action Plan (CAP)* dated November 14, 2016, the remedial action selected for the Property requires, among other things: institutional controls requiring vapor barriers for future construction to minimize potential for vapor intrusion. Interested parties may contact the DEQ to review a detailed description of the residual risks present at the Property and described in the Conditional Closure Report, dated _____ __, 202_.

3. The provisions of this Equitable Servitude and Easement are intended to protect human health and the environment.

1. GENERAL DECLARATION

Grantor grants to DEQ an Easement for access and accepts the Equitable Servitudes described in this instrument and, in doing so, declares that the Property described in Attachment A to the Equitable Servitude and Easement, is now subject to and shall in future be conveyed, transferred, leased, encumbered, occupied, built upon, or otherwise used or improved, in whole or in part, subject to this Equitable Servitude and Easement. Each condition and restriction set forth in this Equitable Servitude and Easement touches and concerns the Property and the equitable servitude granted in paragraph 3 and easement granted in paragraph 4 below, shall run with the land for all purposes, shall be binding upon all current and future owners of the Property as set forth in this Equitable Servitude and Easement, and shall inure to the benefit of the State of Oregon. Grantor further conveys to

DEQ the perpetual right to enforce the conditions and restrictions set forth in the Equitable Servitude and Easement.

2. DEFINITIONS

2.1 “DEQ” means the Oregon Department of Environmental Quality, and its employees, agents, and authorized representatives. “DEQ” also means any successor or assign of DEQ under the laws of Oregon, including but not limited to any entity or instrumentality of the State of Oregon authorized to perform any of the functions or to exercise any of the powers currently performed or exercised by DEQ.

2.2 “Owner” means any person or entity, including Grantor, who at any time owns, occupies, or acquires any right, title or interest in or to any portion of the Property or a vendee’s interest of record to any portion of the Property, excluding any entity or person who holds such interest solely for the security for the payment of an obligation and does not possess or control use of the Property.

2.3 “Property” means the real property described in Exhibit A to this Equitable Servitude and Easement.

3. EQUITABLE SERVITUDE

3.1 **Conditions on Future Construction at Property.** Future buildings constructed at the Property must incorporate DEQ-approved, professionally installed vapor barriers into the building design. Owner shall not construct future buildings or allow other parties to occupy and/or construct future buildings unless this requirement has been satisfied or it has been demonstrated to the satisfaction of DEQ that this prohibition on construction is no longer necessary to protect human health.

3.2 **Contaminated Media Management Plan**. A Contaminated Media Management Plan (CMMP) has been prepared to inform decisions related to managing, characterizing, and disposing of contaminated media encountered during future redevelopment, construction and/or excavation at the Property. The Owner shall maintain the CMMP at the Property and convey the plan to future owners.

4. EASEMENT (RIGHT OF ENTRY)

During reasonable hours and subject to reasonable security requirements, DEQ may enter upon and inspect any portion of the Property to determine whether the requirements of this Equitable Servitude and Easement have been or are being complied with. Except when necessary to address an imminent threat to human health or the environment, DEQ will use its best efforts to notify the Owner 72 hours before DEQ entry to the Property. DEQ may enter upon the Property at any time to abate, mitigate, or cure at the expense of the Owner the violation of any condition or restriction contained in this Equitable Servitude and Easement, provided DEQ first gives written notice of the violation to Owner describing what is necessary to correct the violation and Owner fails to cure the violation within the time specified in such notice. Any such entry by DEQ to evaluate compliance or to abate, mitigate, or cure a violation may not be deemed a trespass.

5. GENERAL PROVISIONS

5.1 All conditions and restriction contained in this Equitable Servitude and Easement shall run with the land, until such time as any condition or restriction is removed by written certification from DEQ that the condition or restriction is no longer required in order to protect human health or the environment.

5.2 Any person who at any time owns, occupies, or acquires any right, title, or interest in or to any portion of the Property is and shall be conclusively deemed to have consented and agreed to every condition and restriction contained in this Equitable Servitude and Easement, whether or not any reference to this Equitable Servitude and Easement is contained in the instrument by which such person or entity acquired an interest in the Property.

5.3 The Owner of any portion of the Property shall notify DEQ at least ten (10) days before the effective date of any conveyance, grant, gift, or other transfer, in whole or in part, of the Owner's interest in the Property.

5.4 The Owner of the Property shall notify DEQ within thirty (30) days following Owner's petitioning for or filing of any document initiation a rezoning of the Property that would change the base zone of the Property.

5.5 Upon any violation of any condition or restriction contained in this Equitable Servitude and Easement, DEQ, in addition to the remedies described in paragraph 4, may seek available legal or equitable remedies to enforce this Equitable Servitude and Easement, including civil penalties as set forth in ORS 465.900.

IN WITNESS WHEREOF, Grantor and Grantee have executed this Equitable Servitude and Easement as of the date and year first set forth above.

GRANTOR: Cannon Beach Conference

By: _____ Date: _____

State of _____ _____)
)
County of _____)

The foregoing instrument is acknowledged before me this ____ day of _____, 202_, by _____ of _____, on its behalf.

_____
NOTARY PUBLIC
My commission expires: _____

GRANTEE: State of Oregon, Department of Environmental Quality

By: _____ Date: _____

State of _____ _____)
)
County of _____)

The foregoing instrument is acknowledged before me this ____ day of _____, 202_, by _____ of _____, on its behalf.

_____
NOTARY PUBLIC
My commission expires: _____