SOURCE CONTROL EVALUATION REPORT

Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon
DEQ ECSI No. 1430

For
Oregon Department of Environmental Quality
July 21, 2021

Project: BCSAmerica-1-02

July 21, 2021

Oregon Department of Environmental Quality
Northwest Region
700 NE Multnomah Street, Suite 600
Portland, OR 97232

Attention: Rob Hood

Source Control Evaluation Report
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon
DEQ ECSI No. 1430
Project: BCSAmerica-1-02

NV5 is pleased to submit this Source Control Evaluation Report for the former Automatic Vending Company site located at 5001 North Lagoon Avenue in Portland, Oregon (project site). This report is submitted in accordance with the requirement to perform a source control evaluation as part of project site closure within the Oregon Department of Environmental Quality's Voluntary Cleanup Program.

Please call if you have questions concerning this submittal.

Sincerely,

NV5

Lon R. Yandell, R.G.
Principal Geologist

cc: John Jansen, BCS America LLC (via email only)

KTH:LRY:kt
Attachments
One copy submitted
Document ID: BCSAmerica-1-02-072121-envr-SCE-DRAFT-DEQ.docx
© 2021 NV5. All rights reserved.

TABLE OF CONTENTS **PAGE NO.**

ACRONYMS AND ABBREVIATIONS

1.0 INTRODUCTION 1
2.0 PROJECT SITE BACKGROUND 1
2.1 Subsurface Conditions 2
3.0 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS 3
3.1 UST Decommissioning 3
3.2 PEMCO 3
3.3 K&S Environmental Phase I ESA 3
3.4 K&S Environmental Investigation and Hoist Removal 4
3.5 GeoDesign 4
4.0 STORMWATER CONVEYANCE SYSTEM 5
5.0 POTENTIAL SOURCES AND CONTAMINANTS OF POTENTIAL CONCERN 6
5.1 Potential Contaminant Sources 6
5.2 Evaluation of Pathways to the Willamette River 6
5.3 Contaminants of Potential Concern 7
6.0 STORMWATER MANAGEMENT PRACTICES 9
7.0 CLEANING AND SAMPLING EVENTS 9
7.1 Catch Basin Sediment Sampling 9
7.2 Stormwater Conveyance System Cleaning 10
7.3 Stormwater Compliance Sampling 11
8.0 DATA SUMMARY 11
8.1 Groundwater 12
8.2 Catch Basin Sediment 12
8.3 Stormwater 14
8.4 QA/QC 14
9.0 SOURCE CONTROL EVALUATION 15
9.1 Stormwater 15
9.2 Groundwater 16
10.0 FINDINGS AND CONCLUSIONS 16
11.0 LIMITATIONS 18

REFERENCES 19

FIGURES
Vicinity Map Figure 1
Soil Concentrations Figure 2
Soil Concentrations – Shop Detail Figure 3
Groundwater Concentrations Figure 4
Stormwater Conveyance System Figure 5

TABLES
Summary of Sediment Sample Chemical Analytical Results Table 1
Summary of Stormwater Sampling Analytical Results Tables 2 – 3

TABLE OF CONTENTS **PAGE NO.**

APPENDICES
Appendix A
Summary of Soil and Groundwater Chemical Analytical Results
Appendix B
Historical Permits and Blueprints
Appendix C
Disposal Receipt
Appendix D
Stormwater Sampling Event Hydrographs
Appendix E
Comparison of Stormwater Sample Analytical Results to Typical Industrial Sites
Appendix F
Chemical Analytical Program F-1
Laboratory Analytical Reports

ACRONYMS AND ABBREVIATIONS

BEHP	bis(2-ethylhexyl)phthalate
BGS	below ground surface
BMP	best management practices
BS	blank spike
BSD	blank spike duplicate
COPC	chemical of potential concern or contaminant of potential concern
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CUL	Cleanup Level
DCE	dichloroethene
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DEQ	Oregon Department of Environmental Quality
ECSI	Environmental Cleanup Site Information
EPA	U.S. Environmental Protection Agency
EPH	extractable petroleum hydrocarbon
ESA	Environmental Site Assessment
ICP-MS	inductively coupled plasma mass spectrometry
I.D.	identification
JSCS	Joint Source Control Strategy
LUST	Leaking Underground Storage Tank
MCPA	4-methyl-2-chlorophenoxyacetic acid
MCPP	2-(2-methyl-4-chlorophenoxy) propionic acid
MDL	method detection limit
mg/kg	milligrams per kilogram
MS	matrix spike
MSD	matrix spike duplicate
MTBE	methyl tertiary butyl ether
NC	not calculated
NE	not established
NFA	No Further Action
not detected	compound not detected at a concentration equal to or greater than the laboratory method reporting limit or reporting detection limit
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PCP	pentachlorophenol
PFA	perfluoroalkoxy
pg/g	picograms per gram
QA	quality assurance
QC	quality control
RBC	risk-based concentration
REC	recognized environmental condition
RPD	relative percent difference

SCE	Source Control Evaluation
SIM	selective ion monitoring
SLV	screening level value
SVOC	semi-volatile organic compound
TCDD	tetrachlorodibenzodioxin
TCE	trichloroethene
TMB	trimethylbenzene
TPH	total petroleum hydrocarbon(s)
TSS	total suspended solids
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
USGS	U.S. Geological Survey
UST	underground storage tank
VCP	Voluntary Cleanup Program
VOC	volatile organic compound
VPH	volatile petroleum hydrocarbon

1.0 INTRODUCTION

This SCE report is submitted on behalf of BCS America LLC in accordance with the DEQ VCP requirements for the former Automatic Vending Company site located at 5001 North Lagoon Avenue in Portland, Oregon (project site).

The SCE components described herein were completed in accordance with the work plans submitted to DEQ (GeoDesign, Inc., 2021a,b,c,d), which were approved by DEQ. Specifically, this report presents a summary of stormwater SCEs and includes a discussion of conveyance line assessment and cleaning and verification stormwater sampling in accordance with DEQ's requirements for this evaluation. This report also summarizes soil and groundwater assessments and remediation activities conducted at the project site. Acronyms used herein are defined above, following the Table of Contents.

The purpose of this SCE report is to provide a summary of the results of the identification, evaluation, and control of historical sources of contamination on the project site with the potential to impact stormwater and groundwater discharging to the Willamette River. This SCE was conducted consistent with DEQ's *Guidance for Evaluating the Stormwater Pathway at Upland Sites*, dated January 2009 (updated October 2010); DEQ/EPA's *Portland Harbor Joint Source Control Strategy*, dated December 2005; and the *EPA Record of Decision, Portland Harbor Superfund Site*, dated January 2017. This SCE is intended to provide supporting documentation to assist DEQ in completing an uplands source control decision for the project site to satisfy the DEQ JSCS SCE requirements.

2.0 PROJECT SITE DESCRIPTION

The project site includes Tax Lot 700 of Multnomah County Tax Map 1N1E20A. The project site is located on Swan Island in the Willamette River. Swan Island was connected to the mainland sometime between 1927 and 1940 using dredge material reportedly originating from the Willamette River. The Portland Airport reportedly occupied Swan Island from 1927 through 1940 and it appeared that a runway may have historically occupied a portion of the project site. In 1944 the project site consisted of a parking lot with a building near the western side of the project site. The current warehouse building was constructed on the project site in 1963 with additions constructed in 1969 and 1978. The warehouse building consists of an approximately 51,100-square-foot, metal-framed structure with a slab-on-grade foundation that is occupied by warehouse and office space.

The shop building located on the southwestern portion of the project site was constructed in 1973/74 and consists of an approximately 1,200-square-foot, metal structure with a slab-on-grade foundation.

According to a Phase I ESA (K&S Environmental, 2018), the project site has been occupied by a distribution warehouse for candy and vending machine businesses (1963 through 2013), catering and equipment occupants and BCS America (2013 through 2019), Total Handling Solutions (2015 through 2019), Temp Control Mechanical (2016 through 2019), and Green

State of Mind (2016 through 2019). The project site is currently vacant and is undergoing renovations for the new occupants following the sale of the property.

Properties adjoining the project site include Temp Control Mechanical to the west; Stagecraft Industries to the northwest; North Lagoon Avenue to the north, across which is a trucking storage area; North Ballast Street to the east, across which is Olsa Resources; TCM Corporation to the southeast; and vacant commercial/industrial space to the south. The project site is shown relative to surrounding physical features on Figure 1. The project site layout and adjacent properties are shown on Figure 2.

2.1 SUBSURFACE CONDITIONS

Based on the history of Swan Island, it appears that significant amounts of fill, consisting of dredged material from the Willamette River, was historically placed beneath the project site. During drilling activities, it was difficult to determine the contact between the upper hydraulically placed fill and lower native alluvial soil because the dredged material is similar to the presumptive native material. Therefore, only soil that was clearly and distinguishably fill material was identified as fill. However, it is likely that material identified as "native" soil could be historically placed fill.

Fill was encountered in borings DP-11 through DP-15 and DP-17 through DP-19. The fill material consists of sand with trace amounts of silt and was observed overlying a concrete slab at approximately 7.5 feet BGS in borings DP-11 through DP-13. This fill material appears to be the same fill material that was encountered off site during previous investigations (PEMCO, 1992). The fill material appeared to thin to the north and east, away from the shop building. Pea gravel was encountered in boring DP-3 (former shop UST area). Fill material was not encountered in the boring advanced beneath the project site structure. It is likely that shallow fill material identified in other borings conducted at the project site was removed during construction of the project site structure.

Native soil below the fill consists of sand with trace amounts of silt and gravel. A gray silt layer with some clay and trace sand was encountered in borings DP-1, DP-2, DP-3, and DP-14 through DP-17 at depths between 22 and 23 feet BGS. Sand and gravel were encountered below the silt to the total depths explored.

Groundwater was encountered beneath the project site at depths between approximately 21 and 31 feet BGS. Zones of perched groundwater could also be present at shallower depths, particularly where more permeable soil is underlain by less permeable soil. Groundwater levels are also anticipated to fluctuate with water levels in the nearby Willamette River.

The direction of groundwater flow has not been determined at the project site. The nearest groundwater discharge area is the Swan Island Basin, located approximately 350 feet northwest of the project site, or the Willamette River, located approximately 840 feet southwest of the project site. The project site is located near the longitudinal axis of Swan Island; therefore, groundwater likely discharges to the Swan Island Basin and the Willamette River.

3.0 PREVIOUS INVESTIGATIONS AND REMEDIAL ACTIONS

A summary of previous environmental investigations and remedial actions conducted at the project site is discussed in this section. More detailed background information of the project site can be found in the reports listed in the "References" section. Soil and groundwater analytical results are summarized in Tables A-1 through A-11 presented in Appendix A. Detected concentrations of contaminants considered atypical for industrial sites exceeding EPA Portland Harbor CULs and/or DEQ JSCS SLVs are shown on Figures 2 through 4.

3.1 UST DECOMMISSIONING

The project site formerly contained six USTs that included one 10,000-gallon and three 20,000-gallon gasoline USTs formerly located northeast of the warehouse building and one 550-gallon motor oil UST and one 1,000-gallon waste oil UST formerly located northeast of the shop building, as shown on Figures 2 and 3. These six USTs were decommissioned in the early 1990s. Petroleum hydrocarbons were not detected in the eight confirmation soil samples collected from beneath the gasoline USTs formerly located northeast of the warehouse.

Oil-impacted soil was observed during decommissioning of the motor oil and waste oil USTs formerly located near the shop building. Approximately 134 tons of petroleum-impacted soil were excavated from the motor oil and waste oil UST pit and disposed of off site. Confirmation soil samples collected from the limits of the remedial excavation indicate that TPH was detected at a maximum concentration of 1,600 mg/kg (Method 418.1). The approximate limits of the excavation associated with decommissioning of the USTs is shown on Figure 3.

3.2 PEMCO

PEMCO advanced four borings in 1992 (B-1 through B-4) west of the remedial excavation conducted at the shop building to evaluate the extent of impacted soil left in place (see Figure 3). The property where borings B-1 through B-4 were located has since been sold to another entity; therefore, they are outside of the current project site boundary. Chemical analytical results of the soil samples collected from the borings indicated that oil was detected in fill material at concentrations up to 2,000 mg/kg. PEMCO and DEQ concluded that the detection of oil appeared to be associated with fill material and was not related to the UST release. DEQ issued an NFA determination in May 1997 for LUST File No. 26-91-0415, which was associated with the USTs. However, DEQ listed the project site as ECSI No. 1430 due to detections of oil in the undocumented fill material.

3.3 K&S ENVIRONMENTAL PHASE I ESA

K&S Environmental conducted a Phase I ESA of the project site in December 2018. The Phase I ESA identified the following RECs at the project site:

- The project site was listed as ECSI No. 1430 because of impacted fill previously identified at the project site.
- A below-ground hydraulic hoist was observed in the shop of the project site.
- Grated drains were observed in the shop of the project site.

K&S Environmental recommended removing the hydraulic hoist and conducting an investigation in the vicinity of the drains.

3.4 K&S ENVIRONMENTAL INVESTIGATION AND HOIST REMOVAL

K&S Environmental conducted a subsurface investigation at the shop building January 2019, which included advancing four borings (B-1 through B-4) to evaluate potential impacts to the subsurface from the hydraulic hoists and catch basins, as shown on Figure 3. The maximum detected concentrations of diesel- and oil-range hydrocarbons, PCE, and PCBs were detected in boring B-3 (at approximately 7 feet BGS) at concentrations of 25,800 mg/kg, 17,000 mg/kg, 10.3 mg/kg, and 0.109 mg/kg, respectively.

K&S Environmental subsequently removed two in-ground hydraulic hoists formerly located inside the shop building in March 2019. A product sample collected of the hydraulic fluid indicated that PCBs were not detected at concentrations greater than the laboratory reporting limits. Approximately 45.25 tons of impacted soil were excavated from beneath the in-ground hydraulic hoists and disposed of off site at the Hillsboro landfill. Residual impacted soil was left in place because additional excavation would have compromised the building's foundation and structural integrity. Eight confirmation soil samples were collected from the limits of the excavation. The maximum detected concentrations of diesel-range hydrocarbons, PCE, and total PCBs were detected in confirmation soil sample C3 at concentrations of 3,600 mg/kg, 3.42 mg/kg, and 0.1265 mg/kg, respectively. The detected concentrations of PCE exceeded the DEQ JSCS SLV. Groundwater was not encountered to the total depth explored of 14 feet BGS during the 2019 assessment activities.

3.5 GEODESIGN

GeoDesign conducted a limited site investigation at the project site that included advancing 13 direct-push borings (DP-1 through DP-13) on July 18 and 19, 2019 to evaluate soil and groundwater impacts in the shop area and advancing six direct-push borings (DP-14 through DP-19) on July 16, 2020 to evaluate the extent of fill material and groundwater conditions beneath the project site. The groundwater investigation was conducted in accordance with a DEQ-approved work plan (GeoDesign, Inc., 2020). The results of the limited site investigations are discussed in the following sections.

3.5.1 Former In-Ground Hydraulic Hoist Area

Borings DP-1, DP-6, DP-8, DP-9, and DP-10 were advanced around the perimeter of the in-ground hydraulic hoist excavation to evaluate the lateral extent of residual contamination. Petroleum hydrocarbons, VOCs, PAHs, and PCBs were not detected in soil samples collected from these borings at concentrations greater than the applicable DEQ RBCs, EPA Portland Harbor CULs, or DEQ JSCS SLVs. Boring DP-2 was located in the area where the greatest concentrations of COPCs were detected during hoist decommissioning and was advanced significantly deeper than the previous excavation limits to evaluate the vertical extent of impacts. Elevated concentrations of the COPCs were not detected in the soil samples collected at depths greater than the previous excavation. Therefore, both the lateral and vertical extents of impacts were evaluated and the remedial excavation conducted by K&S Environmental in March 2019 successfully remediated the impacts to soil from the release.

3.5.2 Fill Evaluation

Fill material (excluding pea gravel backfill) was encountered in GeoDesign borings DP-11 through DP-15, DP-17, and DP-18. The fill material encountered in the shop area was located above a concrete slab that was buried between 7.5 and 8.5 feet BGS. It appeared that the fill material thinned laterally to the north and east away from the shop building. The estimated extent of impacted fill material on the project site is shown on Figure 2.

The fill material appears to be an area-wide unit associated with the former airport that occupied Swan Island from approximately 1927 through 1940. Chemical analytical results indicate that the fill material is impacted with petroleum hydrocarbons, SVOCs, PCBs, and metals at concentrations greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs. However, soil samples collected below the fill material indicated the COPCs were not detected at concentrations greater than applicable EPA Portland Harbor CULs and DEQ JSCS SLVs. The impacted fill material was encountered near the ground surface and at least 15 feet of "clean" material was present between the impacted fill material and groundwater.

3.5.3 Groundwater Evaluation

Groundwater samples were collected from temporary wells installed in direct-push borings DP-1 through DP-3 and DP-14 through DP-19. Groundwater samples indicate that PCE, TCE, benzyl alcohol, arsenic, copper, and lead were detected in groundwater samples at concentrations greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs. The distribution of contaminants in groundwater is further discussed in Sections 8.0 and 9.0.

4.0 STORMWATER CONVEYANCE SYSTEM

The project site stormwater conveyance system layout is shown on Figure 5. The majority of stormwater system infrastructure appears to have been constructed during site development in 1963 and subsequent building additions between 1969 and 1978. Our knowledge of the stormwater system layout is based on the following:

- As-built drawings and permits (presented in Appendix B)
- City of Portland (online) records
- Camera surveys of the stormwater and wastewater discharge lines performed by City of Portland in 1984 and 2000
- Camera survey inspections and dye testing of the stormwater system conducted by GeoDesign in 2021

Stormwater collection and conveyance at the project site are accomplished via seven on-site catch basins (CB1 through CB7) and building roof drains. Catch basins CB1, CB2, CB3, and CB5 discharge to the two on-site laterals that connect to the City of Portland stormwater conveyance system as shown on Figure 5. The on-site lateral conveyance inverts are approximately 4 feet BGS. Groundwater was encountered at the project site between 21 and 31 feet BGS. Therefore, the on-site laterals appear to be significantly above the groundwater table.

The City of Portland stormwater conveyance system discharges to the Swan Island Basin via outfall S-2, located approximately 350 feet northwest of the project site. Catch basins CB4, CB6, and CB7 discharge to the City of Portland sanitary sewer as shown on Figure 5.

5.0 POTENTIAL SOURCES AND CONTAMINANTS OF POTENTIAL CONCERN

Potential sources of contaminants and the primary COPCs are discussed in the following sections.

5.1 POTENTIAL CONTAMINANT SOURCES

Based on previous investigations and our knowledge of the project site, the following are sources for potential project site-related contaminants to impact the Portland Harbor section of the Willamette River:

- Residual sediments, if any, located within the stormwater conveyance lines and originating from prior project site-related activities and/or historical particulate matter on paved surfaces entering the catch basin network
- Stormwater discharges in conveyance lines
- The presence of COPCs in project site groundwater
- Facilitated groundwater transport in stormwater conveyance lines

5.2 EVALUATION OF PATHWAYS TO THE WILLAMETTE RIVER

The pathways for potential sources of contaminants to impact the Willamette River sediments include residual project site-derived sediments migrating to City of Portland Outfall S-2 via stormwater conveyance lines, stormwater discharges, facilitated groundwater transport by stormwater conveyance lines, and groundwater discharging to the Willamette River.

5.2.1 Site-Derived Sediment Migration

Camera surveys of on-site stormwater conveyances obtained in January 2021 (Section 4) did not indicate the presence of accumulated sediments in on-site conveyance lines. These observations indicate that there is only a low likelihood of sediment delivery to the Willamette River from on-site stormwater conveyance lines, which does not require further evaluation.

5.2.2 Stormwater Discharges

The stormwater discharge pathway to the Willamette River is considered complete, and the evaluation of this pathway is summarized in Sections 8.0 and 9.0.

5.2.3 Facilitated Groundwater Transport by Stormwater Conveyance Lines

As discussed in Section 4.0, on-site stormwater conveyance laterals are located at an approximate elevation of over 15 feet above the groundwater table. Therefore, the likelihood of facilitated groundwater transport in stormwater conveyance lines is considered to be low and does not require further evaluation.

5.2.4 Groundwater Discharging to the Willamette River

GeoDesign conducted an investigation (see Section 3.5) that included collecting nine groundwater samples from the project site. The investigation was intended to demonstrate that

residual groundwater impacts are minimal and do not represent an unacceptable risk to the Willamette River. We consider the groundwater migration pathway (from the project site to the Willamette River) to be controlled and insignificant for the following reasons:

- There are no active sources of petroleum hydrocarbons or chlorinated solvents at the project site.
- PCE and TCE were only detected in groundwater samples collected from the shop area. The detected concentrations of PCE and TCE are highest beneath the shop and decrease toward the Willamette River, at a reduction rate 0.87 µg/L per 10 linear feet for PCE. TCE was not detected in the most down-gradient groundwater sample (DP-1W). Based on these findings, the detected concentrations of PCE will decrease to below the DEQ JSCS SLV and EPA Portland Harbor CUL within 10 to 100 feet of the project site. The detected concentrations of TCE are located more than 800 feet north of the Willamette River and over 600 feet from Swan Island Lagoon.
- Chlorinated solvents, due to their volatile nature, are not considered primary constituents of concern for Willamette River sediments.
- Total and dissolved arsenic were detected in groundwater samples DP-1W, DP-2W, DP-3W, DP-14W, DP-15W, DP-17W, and DP-19W at concentrations greater than the EPA Portland Harbor CUL and the DEQ JSCS SLV. However, arsenic is a naturally occurring element and according to a study done by USGS (Hinkle and Polette, 1999), arsenic concentrations in groundwater between 10 and 50 µg/L are widespread in the Willamette Basin. Based on the widespread detections of arsenic in groundwater at the project site and the referenced study, the detected concentrations of arsenic are considered representative of background concentrations in the area and do not represent an elevated or unacceptable risk to the Willamette River.
- Total copper and lead were detected in groundwater samples DP-1W and DP-14W at concentrations greater than the EPA Portland Harbor CULs and the DEQ JSCS SLVs. However, dissolved copper and lead were not detected in groundwater samples DP-1W and DP-14W at concentrations greater than the EPA Portland Harbor CULs and the DEQ JSCS SLVs. It appears that the total detected concentrations of copper and lead are likely associated with suspended solids in the samples and do not represent an unacceptable risk to the Willamette River.
- Benzyl alcohol was detected in groundwater sample DP-2W at concentrations greater than the DEQ JSCS SLV but was not detected in the down-gradient or up-gradient groundwater samples at concentrations greater than the DEQ JSCS SLV. Therefore, it appears that the detected concentration is localized and does not represent a significant risk to the Portland Harbor.

5.3 CONTAMINANTS OF POTENTIAL CONCERN

5.3.1 Soil

Petroleum hydrocarbons were identified in the vicinity of the former USTs and hoists located in the shop area of the project site. The USTs were removed in the early 1990s and petroleum-impacted soil was disposed of off site. Subsequent investigations identified fill material at the project site and on the adjoining sites from the ground surface to a maximum depth of 7.5 feet BGS. The fill material is impacted with petroleum hydrocarbons, PAHs, PCBs, and metals (antimony, arsenic, cadmium, chromium, copper, lead, mercury, and zinc).

Two in-ground hydraulic hoists were removed from the project site in 2019 and petroleum-impacted soil was removed to the extent practicable. Confirmation soil samples indicated that a pocket of residual soil containing petroleum hydrocarbons and PCE was present in the shop area.

5.3.2 Groundwater

Groundwater samples collected from the project site were analyzed for the following:

- Gasoline-, diesel-, and oil-range hydrocarbons
- VOCs
- SVOCs
- Total and dissolved arsenic, copper, and lead

Groundwater samples were not analyzed for pesticides, herbicides, cyanide, manganese, vanadium, dioxins, furans, and tributyltin because there is no known historical agricultural use and the project site has not been occupied by businesses that use, store, or manufacture equipment or chemicals that would contain these compounds.

Based on the analytical results, the primary COPCs in groundwater at the project site are TCE and PCE, which were detected in the shop area of the project site.

5.3.3 Catch Basin Sediment

As requested by DEQ, the following COPCs for the Portland Harbor were evaluated in sediment samples collected from the on-site catch basins:

- Gasoline-, diesel-, and oil-range hydrocarbons
- Dioxins and furans
- VOCs
- Chlorinated pesticides
- Chlorinated herbicides
- Tributyltin
- Phthalates
- PAHs
- 13 Priority pollutant metals
- PCBs

5.3.4 Stormwater

As requested by DEQ, the following COPCs for the Portland Harbor were also evaluated in stormwater samples collected from the project site:

- Gasoline-, diesel-, and oil-range hydrocarbons
- Dioxins and furans
- VOCs
- Tributyltin
- Phthalates
- PAHs

- Total arsenic, cadmium, chromium, mercury, and zinc
- PCBs

These COPCs are consistent with contaminant detections in sediments in the catch basins.

6.0 STORMWATER MANAGEMENT PRACTICES

Since BCS America LLC has occupied the project site (2013 through 2019) standard BMPs were employed to minimize pollutant contact with stormwater runoff. This has included maintaining hardscapes at the project site, periodically sweeping and cleaning outside areas, covering equipment stored outside as practicable, and periodically cleaning the catch basins.

7.0 CLEANING AND SAMPLING EVENTS

As part of this SCE, sediment was sampled in each catch basin, the catch basins and lines were cleaned, and four rounds of stormwater compliance sampling was conducted. These activities were conducted in accordance with DEQ-approved work plans (GeoDesign, Inc., 2021b,c,d) and are discussed in the following sections.

7.1 CATCH BASIN SEDIMENT SAMPLING

NV5 conducted catch basin sediment sampling on December 17, 2020. NV5 collected a five-point composite sediment sample from each of the catch basins in accordance with the City of Portland *Standard Operating Procedures, Guidance for Sampling Catch Basin Solids,* prepared by CH2M Hill, dated July 2003.

Each sediment sample was collected by first removing pooled stormwater from around each catch basin by slowly pumping the stormwater. A hand pump was used to remove large quantities of stormwater pooled around catch basins CB2, CB4, CB6, and CB7 until stormwater was pooled within approximately 1 foot of the catch basin. The remaining stormwater was removed slowly using a peristaltic pump. A thin layer of water was left so that fine materials in the solids were not disturbed. Pumped water was directed to the sanitary sewer.

NV5 advanced a decontaminated, 2-inch-diameter hand auger into each catch basin in each of the four corners and one in the center of the catch basin to collect samples representative of both the lateral and vertical extent of sediments. The hand auger was advanced to the bottom of the catch basin to collect a sediment sample representing the entire sediment column. The recovered material was placed in a decontaminated, stainless steel bowl and composited. The five-point composite soil sample collected from each catch basin was placed into laboratory-provided jars and stored immediately on ice. NV5 collected a duplicate sediment sample from catch basin CB4 for QA/QC purposes. Sediment samples were temporarily stored on ice until transported to the laboratory under chain-of-custody documentation

All sampling equipment used in the collection of sediment samples was decontaminated prior to use. Decontamination was performed on all re-usable processing equipment that came into contact with sample media. Decontamination was performed prior to sampling each location using the following procedures:

1. Rinsed with tap water and scrubbed with a scrub brush until free of large particles (e.g., sediment or soil)
2. Washed with phosphate-free (Alconox™) detergent solution
3. Rinsed with tap water
4. Rinsed with distilled water

7.2 STORMWATER CONVEYANCE SYSTEM CLEANING

Stratus Corporation of Gaston, Oregon, installed stormwater cleanouts on the laterals servicing the project site on January 22, 2021. The cleanouts were installed to allow the stormwater system to be blocked during cleaning and as compliance sampling points. The cleanouts were installed at the locations shown on Figure 5. The two laterals on the project site consist of 10-inch-diameter concrete pipes located at depths between 3.5 and 4 feet BGS. Stratus Corporation installed a 6-inch-diameter standpipe in each lateral using a T-fitting. The excavation was backfilled and patched with asphalt concrete.

Stratus Corporation cleaned and scoped the on-site stormwater conveyance system on January 25, 2021. Before the conveyance lines were cleaned, the bottoms and sides of each catch basin was cleaned using a pressure washer and vacuum truck. Wash water in the catch basin bottoms was removed with the vacuum hose before it could overflow into the conveyance lines. After the catch basins were cleaned, the lines servicing catch basins CB1, CB2, CB3, and CB5 were also cleaned using a jetting system. The jetting system used pressurized water delivered by a "jet-head" throughout the conveyance lines. Wash water in the lines was captured by a vacuum truck at the cleanouts previously installed.

The lines were scoped to confirm the configuration after cleaning. On the basis of the scoping, it was determined that catch basins CB1 and CB2 discharge to the eastern lateral while catch basins CB3 and CB5 discharge to the western lateral, as shown on Figure 5.

Catch basins CB4, CB6, and CB7 were not jetted during cleaning because the discharge point of these catch basins was not initially verified. On the basis of the scoping, it was determined that one sewer line serviced catch basins CB4, CB6, and CB7. The line that services catch basins CB4, CB6, and CB7 could not be scoped in its entirety because of a 90-degree bend located in the northern parking area that prevented the camera from advancing. However, the following lines of evidence were used to determine that the line connects to the City of Portland sanitary sewer system:

- Blueprints show that catch basins CB6 and CB7 connect to the sanitary line (presented in Appendix B).
- The 90-degree turn at which the camera could not get past is in line with the known sanitary sewer lateral. The location of the sanitary sewer line is based on a camera inspection (332868) conducted in 2016 and permits.
- A dye test was conducted using catch basin CB6. Dye was observed in the sewer line connected to CB7 and CB4, but dye was not observed in either cleanout installed in the two on-site stormwater lines.

During cleaning, 991.84 gallons of water and 0.46 tons of solids were generated and disposed of at Patriot Environmental Services located in Portland, Oregon. The disposal receipts are presented in Appendix C.

7.3 STORMWATER COMPLIANCE SAMPLING

Stormwater sampling events were conducted on March 18, March 28, April 24, and May 24, 2021. Each stormwater sample event was conducted by collecting one sample from the cleanouts previously installed on the two stormwater laterals on the project site (see Figure 5). Stormwater samples were collected using a peristaltic pump and disposable PFA tubing connected to a section of Teflon inserted into the water stream at the bottom of the cleanouts.

In accordance with DEQ requirements, a total of four stormwater sampling events were conducted. Two of the sample events (first and third sampling events) represent "first flush" conditions (within 30 minutes of initial discharge) and the remaining two sampling events (second and fourth) were collected within three hours of initial discharge. The sampling location is shown on Figure 5. Stormwater samples were collected during each event from the stormwater cleanouts installed in the on-site laterals. Peristaltic pumps equipped with new, disposal PFA and silicon tubing were used to collect the stormwater samples into laboratory-provided jars. A duplicate stormwater sample was also collected during each sampling event. All stormwater samples represent grab samples. Samples were temporarily stored on ice until transported to the laboratory under chain-of-custody documentation.

During each sampling event, the paved areas of the project site were generally free of debris. Storage, parking, and traveled areas appeared generally clean and in order. Rainfall was greater than 0.2 inch of rain over 24 hours for the sampling events conducted in March and April. The fourth compliance sampling event was conducted on May 24, 2021 during a storm event that was predicted for over 0.28 inch of rain. However, actual rain fall was 0.12 inch of rain over 24 hours. Before sample collection, the antecedent dry period (less than 0.1 inch of rain in the 24 hours preceding the sampling storm) was met for each sampling event. Hydrographs for each sampling event (using the USGS Swan Island Rain Gage) are presented in Appendix D.

8.0 DATA SUMMARY

Analytical results are compared to the EPA Portland Harbor CULs.[1] If EPA Portland Harbor CULs were not established, the results were compared to the DEQ JSCS Initial Upland Source Control SLVs (DEQ JSCS SLVs).[2] A duplicate sediment sample was collected from catch basin CB4 and one duplicate stormwater sample was collected during each sampling event for QA/QC purposes. The highest detected value between the two samples (original and duplicate) was used for comparison.

The sediment and stormwater analytical results were also plotted on the charts appended to DEQ's *Guidance for Evaluating the Stormwater Pathway at Upland Sites,* dated January 2009

[1] Table 17 of EPA's *Record of Decision for the Portland Harbor Superfund Site,* dated January 2017, updated January 14, 2020
[2] Table 3.1 of DEQ's *Portland Harbor Joint Source Control Strategy,* dated December 2005

and updated October 2010. The charts are discussed further in Section 9.1 and the sediment and stormwater sample analytical results plotted on the DEQ curves are presented in Appendix E.

Calculated values for total PCBs, cPAHs, total PAHs, and 2,3,7,8-TCDD were derived using the full laboratory detection limit.

8.1 GROUNDWATER

Groundwater sampling analytical results are summarized in Appendix A. Grab groundwater samples collected from temporary direct-push explorations are viewed as reconnaissance-level screening information, as this type of sampling typically yields biased-high results due to sorption of contaminants on entrained soil particles within the samples.

PCE and/or TCE were detected in groundwater samples collected from borings DP-1, DP-2, DP-3, and DP-14 (advanced in the vicinity of the shop) at concentrations greater than the EPA Portland Harbor CULs and DEQ JSCS SLVs. The detected concentrations of PCE and TCE are highest beneath the shop and decreased toward the Willamette River, at a reduction rate of 0.87 µg/L per 10 linear feet for PCE. TCE was not detected in the most down-gradient groundwater sample (DP-1W). Based on these results, it appears that the detected concentrations of PCE will decrease to below the DEQ JSCS SLV and EPA Portland Harbor CUL within 10 to 100 feet of the project site. Therefore, it does not appear that the PCE and TCE concentrations detected at the project site represent a significant risk to the Portland Harbor located over 800 feet away or Swan Island Lagoon located over 600 feet away.

Total copper and lead were detected in groundwater samples DP-1W and DP-14W at concentrations greater than the EPA Portland Harbor CULs and DEQ JSCS SLVs. However, dissolved copper and lead were not detected in groundwater samples DP-1W and DP-14W at concentrations greater than the EPA Portland Harbor CULs and DEQ JSCS SLVs. It appears that the total detected concentrations of copper and lead are likely elevated due to inclusion of suspended sediment in the sample.

Benzyl alcohol was detected in groundwater sample DP-2W at concentrations greater than the DEQ JSCS SLV but was not detected in the other groundwater samples at concentrations greater than the DEQ JSCS SLV. Therefore, it appears that the detected concentration is localized and does not represent a significant risk to the Portland Harbor.

COPCs were otherwise either not detected or were detected at concentrations less than EPA Portland Harbor CULs and DEQ JSCS SLVs. DEQ stated that “groundwater contamination is adequately controlled on the site with respect to the Portland Harbor” (DEQ, 2020).

8.2 CATCH BASIN SEDIMENT

Sediment samples (CB-1 through CB-7) and one duplicate sediment sample were collected from the on-site catch basins prior to cleaning and were analyzed for the following:

- Gasoline-range hydrocarbons by Method NWTPH-Gx
- Diesel- and oil-range hydrocarbons by Method NWTPH-Dx

- Organotins by EPA Method Organotins SIM
- VOCs by EPA Method 8260D
- PCBs by EPA Method 8082A
- SVOCs by EPA Method 8270E-SIM
- Phthalates by EPA Method 8270E
- 13 Priority pollutant metals by EPA Method 6020B (ICP-MS)
- Dioxins and furans by EPA Method 8290
- Organochlorine pesticides by EPA Method 8081B
- Organochlorine herbicides by EPA Method 8151

The sediment sample chemical analytical results indicate the following:

- Tributyltin was detected in only one of the sediment samples (CB-1), but at a concentration less than the EPA Portland Harbor CUL.
- PCBs were detected in sediment samples collected from CB4 and CB5 at concentrations greater than the DEQ JSCS SLV. Total calculated PCBs for the seven sediment samples exceeded the EPA Portland Harbor CULs. However, only the calculated total PCBs detected in catch basins CB4 and CB5 exceed typical values for catch basin sediment at industrial sites.
- PAHs, cPAHs, and calculated total PAHs were detected in sediment samples CB-1 through CB-5 at concentrations greater than the EPA Portland Harbor CULs. However, only the total calculated PAHs detected in catch basins CB1, CB2, and CB3 exceed typical values for catch basin sediment at industrial sites.
- BEHP was detected in four of the catch basins (CB4 through CB7) at concentrations greater than the EPA Portland Harbor CUL. However, the detected concentrations of BEHP appear to represent typical catch basin sediment at industrial sites.
- Arsenic, cadmium, copper, lead, and nickel were detected at relatively low concentrations in catch basins at the project site. The detected concentrations of these metals appear to represent typical catch basin sediment at industrial sites.
- Chromium, mercury, and/or zinc were detected at concentrations exceeding the EPA Portland Harbor CULs and/or DEQ JSCS SLVs in sediment samples collected from CB3, CB4, CB5, CB6, and CB7. However, with the exception of chromium and mercury concentrations in the sediment sample from CB4 and zinc concentrations in the sediment samples collected from CB3 and CB5, the detected concentrations appeared to be typical values for industrial catch basin sediment.
- 2,3,7,8-TCDD calculated equivalency for sediment samples collected from each catch basin exceeded the EPA Portland Harbor CUL. However, individual dioxin and furans were not detected at concentrations greater than the EPA Portland Harbor CULs or DEQ JSCS SLVs.
- Organochlorine pesticides were not detected in the seven sediment samples.
- Chlorinated herbicides were generally not detected in the seven sediment samples. Silvex was detected in sediment samples CB-2, CB-3, and CB-4 at relatively low concentrations.

A summary of the sediment sample results is presented in Table 1. The laboratory reports and chain-of-custody documentation are presented in Appendix F.

8.3 STORMWATER

Stormwater samples were collected from the two on-site lateral cleanouts during four separate sampling events. The stormwater sample analytical results indicate the following:

- Arsenic was detected in all of the stormwater samples at concentrations between 0.143 and 1.70 µg/L, which is greater than the EPA Portland Harbor CUL. Zinc was also detected in all of the stormwater samples at concentrations between 41.7 and 703 µg/L. However, the detected concentrations are relatively low and are considered typical for stormwater at industrial sites.
- PCBs were only detected in one stormwater sample collected during the four sampling events. Aroclor 1254 was detected in the stormwater sample collected from cleanout 1 during the May sampling event at a concentration of 0.0741 µg/L, which is greater than the DEQ JSCS SLV. Aroclor 1254 was not detected in the duplicate stormwater sample collected from this sampling point. In addition, the calculated value for total PCBs is 0.2232 µg/L, which is greater than the EPA Portland Harbor CUL. This value is relatively low and is considered typical for stormwater at industrial sites. PCBs were otherwise not detected in any of the stormwater samples collected.
- Chloromethane was detected in only one stormwater sample collected during the four sampling events. Chloromethane was detected in the stormwater sample collected from cleanout 1 during the May sampling event at a concentration of 4.04 µg/L, which is greater than the DEQ JSCS SLV. The detected concentration of chloromethane appears to be isolated and is not a primary COPC at the project site.
- Benzo(b)fluoranthene and benzo(a)pyrene were detected in stormwater sample SW-1(032821) at concentrations greater than EPA Portland Harbor CULs, but less than DEQ JSCS SLVs. In addition, the calculated cPAH value for stormwater sample SW-1(032821) of 0.0309 µg/L is greater than the EPA Portland Harbor CUL. However, the calculated total PAH value for stormwater sample SW-1(032821) is considered typical for industrial sites. In addition, PAHs were otherwise either not detected or were detected at concentrations less than EPA Portland Harbor CULs and DEQ JSCS SLVs in the remaining sampling events.
- The calculated 2,3,7,8-TCDD value for all the stormwater samples ranged between 3.60E-06 and 1.44E-05 µg/L, which is greater than the EPA Portland Harbor CUL. However, dioxin and furans were generally not detected in the stormwater samples, including 2,3,7,8-TCDD.
- TSS was detected at concentrations ranging from 5,000 to 29,000 µg/L, which is less than the 1200-Z stormwater discharge permit benchmark of 30,000 µg/L.

A summary of the stormwater sample results is presented on Tables 2 and 3. The laboratory reports and chain-of-custody documentation are presented in Appendix F.

8.4 QA/QC

The chemical analytical data was reviewed for QA/QC issues. Our review indicated that select analytes had detection limits that exceeded regulatory screening levels and/or the laboratory had assigned qualifiers to select reported values.

A discussion of analytes with detection limits greater than applicable regulatory screen levels is presented in Appendix F. In general, the detection limits were the lowest possible detection

limits achievable by the laboratories and only slightly exceeded the regulatory screening levels. Therefore, it is our professional opinion that these qualifications to do not hinder our ability to accurately characterize the project site.

VOCs were not detected in the trip blank samples analyzed. This indicates that cross contamination did not occur during transportation of the samples.

A duplicate sediment sample was collected from catch basin CB-4 and duplicate stormwater samples were collected during each sampling event. In general, the RPD for detected analytes was below 50 percent. Therefore, the samples are considered representative of the environmental conditions at the project site and the results confirm the laboratory precision is acceptable.

9.0 SOURCE CONTROL EVALUATION

The following sections summarize the evidence used to support our opinion that the stormwater source control at the project site is adequate and that the project site does not represent a significant past, current, or future source of contaminant to the Willamette River. Based on the catalog of stormwater data for the project site and other lines of evidence, it is our opinion that source control sampling activities completed to date are adequate and further sampling related to the SCE is not warranted. A summary of our data evaluation and lines of evidence supporting our opinion is presented in the following sections.

9.1 STORMWATER

NV5 reviewed the analytical data from the stormwater sampling activities to evaluate if the concentrations of contaminants were representative of typical industrial stormwater. The *Tool for Evaluating Stormwater* included in the DEQ guidance was used to gauge the concentration ranges for comparison to the data collected at the project site. Charts are provided in the tool to evaluate contaminant concentrations at industrial sites in the Portland Harbor area. The concentrations are charted in a curve, which includes a flat portion and a steep portion. The transition area is called the "knee" of the curve. Concentrations within the flat area of the curve are considered typical of industrial sites, while concentrations higher than the knee may represent elevated concentrations.

Total PCBs, total PAHs, arsenic, cadmium, chromium, mercury, zinc, and TSS were not detected in any of the stormwater samples at concentrations greater than what is considered typical industrial stormwater. Further, the detected concentrations generally plotted well below the "knee" of the curve.

None of the DEQ-required constituents measured in project site stormwater are above the typical industrial range in the Portland Harbor vicinity. The DEQ tool (Appendix E) demonstrates that even constituents up to two orders of magnitude higher than the most conservative EPA Portland Harbor CULs/DEQ JSCS SLVs in stormwater samples, such as arsenic, cadmium, copper, lead, and zinc, are well within the typical range of industrial values.

Constituents detected at concentrations greater than the EPA Portland Harbor CULs/DEQ JSCS SLVs are sometimes associated with particulate deposition from vehicles, which may be an intermittent source to project site stormwater. However, the data already collected with respect to stormwater at the project site are sufficient to establish that it is highly unlikely that an on-site source of these constituents is present at the project site connected to current or historical site operations.

9.2 GROUNDWATER

Based on the information presented in Section 8.1, the groundwater-to-surface water pathway is considered controlled and insignificant for the migration of contaminants to the Willamette River.

Facilitated transport of groundwater in stormwater conveyance lines is considered a low likelihood because the on-site conveyance laterals are located above the seasonal high groundwater table.

10.0 FINDINGS AND CONCLUSIONS

NV5 has conducted SCE activities (including groundwater sampling, stormwater conveyance line cleaning, and sediment and stormwater sampling) at the project site located at 5001 North Lagoon Avenue in Portland, Oregon. These activities were performed in accordance with DEQ's *Guidance for Evaluating the Stormwater Pathway at Upland Sites,* dated January 2009 and updated October 2010; DEQ/EPA's *Portland Harbor Joint Source Control Strategy*, dated December 2005; the *EPA Record of Decision, Portland Harbor Superfund Site*, dated January 2017; and DEQ-approved work plans. The results of the SCE activities indicate the following:

1. Existing and potential facility-related contaminant sources have been identified and characterized:
    a. The potential sources to impact river sediments are (1) sediments in the stormwater conveyance system, (2) constituents in stormwater, and (3) groundwater. Each potential source has been fully characterized by investigations performed pursuant to DEQ-approved work plans.
        i. Sediments have not been observed in on-site conveyance lines, and conveyance line cleaning (flushing) activities did not observe significant stormwater solids. The stormwater conveyance system was cleaned and, subsequently, the cleaned condition has been characterized by multiple rounds of stormwater sampling (including first-flush sampling).
        ii. Groundwater has been characterized by samples collected from a series of grab samples.

b. Substances detected and the basis for deciding that all sources have been identified and characterized are as follows:
   i. Sediment sample results indicate some metals, tributyltin, PCBs, phthalates, PAHs, and dioxins and furans were detected at concentrations exceeding EPA Portland Harbor CULs and/or DEQ JSCS SLVS. The catch basins were full of sediment at the time of sampling and likely represented "worst case" conditions. The catch basins and conveyance lines were subsequently cleaned and the sediment was removed.
   ii. Stormwater sample results indicate metals, PCBs, PAHs, chloromethane, and dioxin/furans were detected at concentrations exceeding the most conservative EPA Portland Harbor CULs or DEQ JSCS SLVs. However, none of these contaminants has been detected at concentrations exceeding "typical industrial stormwater concentrations" per DEQ's *Tool for Evaluating Stormwater Data*.
   iii. Groundwater sample results indicate PCE and TCE were detected in groundwater samples collected from beneath the shop at concentrations greater than the EPA Portland Harbor CULs. However, the detected concentrations of PCE and TCE are expected to attenuate to below the DEQ JSCS SLV and EPA Portland Harbor CUL within 10 to 100 feet of the project site. DEQ concurred that groundwater contamination is adequately controlled at the project site (DEQ, 2020). The groundwater-to-surface water pathway is considered controlled and insignificant for the migration of contaminants to the Willamette River.

2. Potential stormwater contaminant sources are being controlled to the extent feasible:
   a. Particulate matter on paved surfaces is controlled by regular site sweeping and the housekeeping practices described herein. Catch basin sediments are controlled by catch basin cleanouts and frequent maintenance.
   b. Stormwater is managed by completing the above-mentioned BMPs. Groundwater sources have been delineated and successfully remediated.
3. Post-conveyance line cleaning stormwater sample data support the conclusion that source control measures and BMPs are effective:
   a. Stormwater COPCs and TSS quantified during the post-cleaning stormwater sampling program demonstrate consistency with typical Portland Harbor stormwater concentrations.

Based on the multiple lines of evidence provided herein, we request that DEQ issue a Source Control Decision finding that (1) the project site has been adequately characterized, sources and pathways for mobilization of contaminants have been addressed, and sufficient investigation has been performed to confirm that contaminants are not leaving the site at levels presenting unacceptable risk; and (2) the project site is eligible for a determination that it is not a past, current, or reasonably likely future source of contamination to the Willamette River and that additional source control measures are not required.

11.0 LIMITATIONS

This report has been prepared for BCS America LLC. This report is not intended for use by others, and the information contained herein is not applicable to other sites. Reliance by other parties must be approved by NV5 in accordance with our standard contractual process for third-party reliance. Our interpretations are based on data from select samples and work conducted by others. The results of the analyses only indicate the presence or absence of those chemical constituents analyzed in those sample locations. The conclusions presented in this report are based on our observations made during field investigations and chemical analytical data. The findings of this assessment should be considered as a professional opinion based on our evaluation of select and limited data.

Our services have been executed in accordance with the generally accepted practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

♦ ♦ ♦

We appreciate the opportunity to be of continued service to you on this project. Please call if you have questions concerning the information provided.

Sincerely,

NV5

DRAFT

Kyle Haggart, G.I.T.
Project Manager

DRAFT

Lon R. Yandell, R.G.
Principal Geologist

REFERENCES

DEQ, 2020. *Former Auto-Vending, ECSI #1430; Source Control Evaluation; 5001 North Lagoon Avenue, Portland Oregon,* dated January 15, 2020.

GeoDesign, Inc., 2020. *Work Plan; Supplemental Limited Site Investigation; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; ECSI No. 1430,* dated May 19, 2020.

GeoDesign, Inc., 2021a. *Revised Work Plan; Stormwater Conveyance System Sampling; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; ECSI No. 1430,* dated January 5, 2021.

GeoDesign, Inc., 2021b. *Stormwater Conveyance System Cleaning and Scoping; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; ECSI File No. 1430,* date February 12, 2021.

GeoDesign, Inc., 2021c. *Catch Basin Sediment Sampling; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; ECSI No. 1430,* dated February 19, 2021.

GeoDesign, Inc., 2021d. *Work Plan; Stormwater Conveyance System Sampling – Stormwater; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; ECSI No. 1430,* dated February 23, 2021.

GeoDesign, Inc., 2021e. *Source Control Evaluation – Groundwater; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; DEQ ECSI No. 1430*, dated April 26, 2021.

GeoDesign, Inc., 2021f. *Draft Contaminated Media Management Plan; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; ECSI No. 1430,* dated May 27, 2021.

Hinkle, Stephen R. and Polette, Danial J., 2019. *Arsenic in Ground Water of the Willamette Basin, Oregon*, dated 1999.

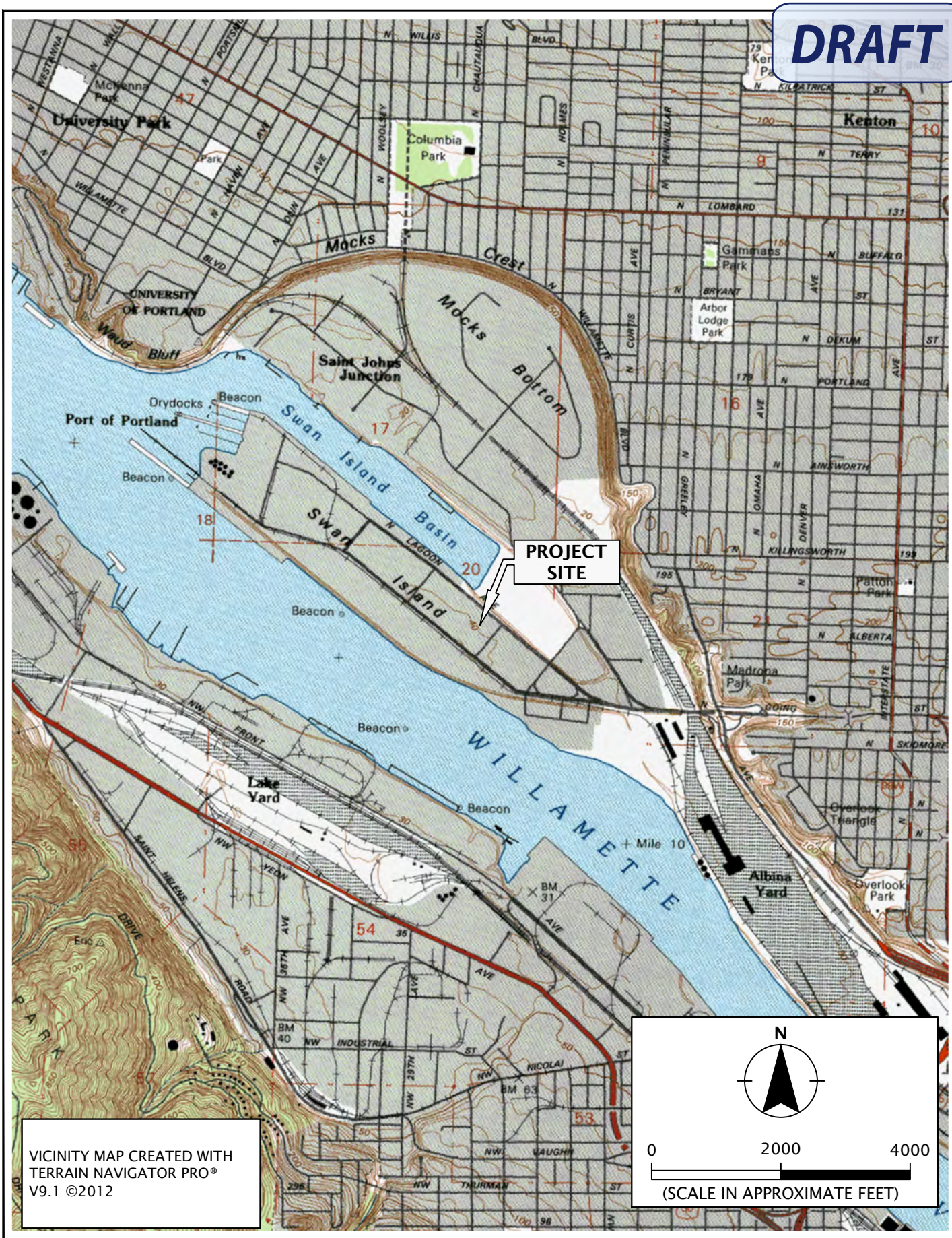
K&S Environmental, Inc., 2018. *Phase 1 Environmental Site Assessment,* dated December 7, 2018.

K&S Environmental, Inc., 2019. *Hoist Removal and Remedial Excavation Report,* dated April 1, 2019.

PEMCO, 1992. *Subsurface Investigation,* dated July 15, 1992.

FIGURES

DRAFT

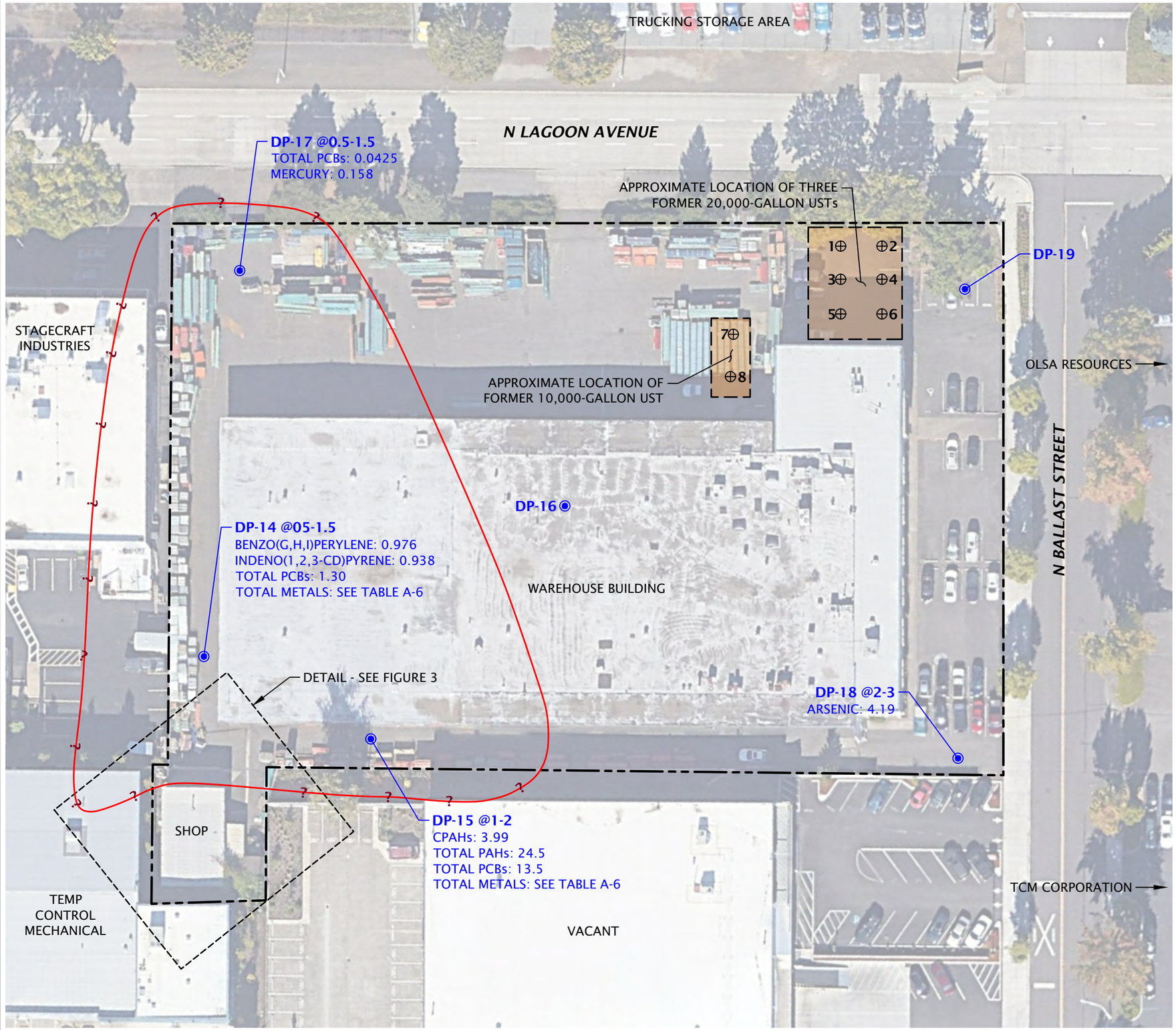


VICINITY MAP CREATED WITH TERRAIN NAVIGATOR PRO® V9.1 ©2012

NV5	BCSAMERICA-1-02	**VICINITY MAP**	
	JULY 2021	FORMER AUTOMATIC VENDING COMPANY PORTLAND, OR	**FIGURE 1**

Printed By: mmiller | Print Date: 7/15/2021 2:10:33 PM
File Name: J:\A-D\BCSAmerica\BCSAmerica-1\BCSAmerica-1-02\Figures\CAD\SCE\BCSAmerica-1-02-VM01.dwg | Layout: FIGURE 1

DRAFT



LEGEND:

- PROJECT SITE BOUNDARY
- DP-14 ◉ DIRECT-PUSH BORING (GEODESIGN, 2020)
- 1⊕ CONFIRMATION SOIL SAMPLE (PEMCO, 1991)
- DETAIL AREA (SEE FIGURE 3)
- ESTIMATED EXTENT OF IMPACTED FILL MATERIAL

CONCENTRATIONS EXCEEDING PORTLAND HARBOR CULS AND DEQ JSCS SLVS ARE SHOWN. CONCENTRATIONS IN MG/KG.

N

0 50 100

(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, FEBRUARY 28, 2020

SOIL CONCENTRATIONS

FIGURE 2

FORMER AUTOMATIC VENDING COMPANY
PORTLAND, OR

BCSAMERICA-1-02

JULY 2021

NV5

Printed By: mmiller | Print Date: 7/15/2021 2:10:48 PM
File Name: J:\A-D\BCSAmerica\BCSAmerica-1\BCSAmerica-1-02\Figures\CAD\SCE\BCSAmerica-1-02-SOIL-CONCS.dwg | Layout: FIGURE 2

DRAFT

SOIL CONCENTRATIONS - SHOP DETAIL

FIGURE 3

FORMER AUTOMATIC VENDING COMPANY
PORTLAND, OR

BCSAMERICA-1-02

JULY 2021

LEGEND:

DP-1 ◎	DIRECT-PUSH BORING (GEODESIGN, 2019)
B-1 ◒	BORING (PEMCO, 1992)
B-1 •	BORING (K&S ENVIRONMENTAL, 2019)
C1 ◪	CONFIRMATION SOIL SAMPLE (K&S ENVIRONMENTAL, 2019)
1 ⊗	CONFIRMATION SOIL SAMPLE (PEMCO, NOVEMBER 1991)
1 ○	CONFIRMATION SOIL SAMPLE (PEMCO, OCTOBER 1991)
	UST REMEDIAL EXCAVATION (1991)
	HYDRAULIC HOIST REMEDIAL EXCAVATION (2019)
CB	CATCH BASIN

CONCENTRATIONS EXCEEDING PORTLAND HARBOR CULS AND DEQ JSCS SLVS ARE SHOWN. CONCENTRATIONS IN MG/KG.

N

0 10 20

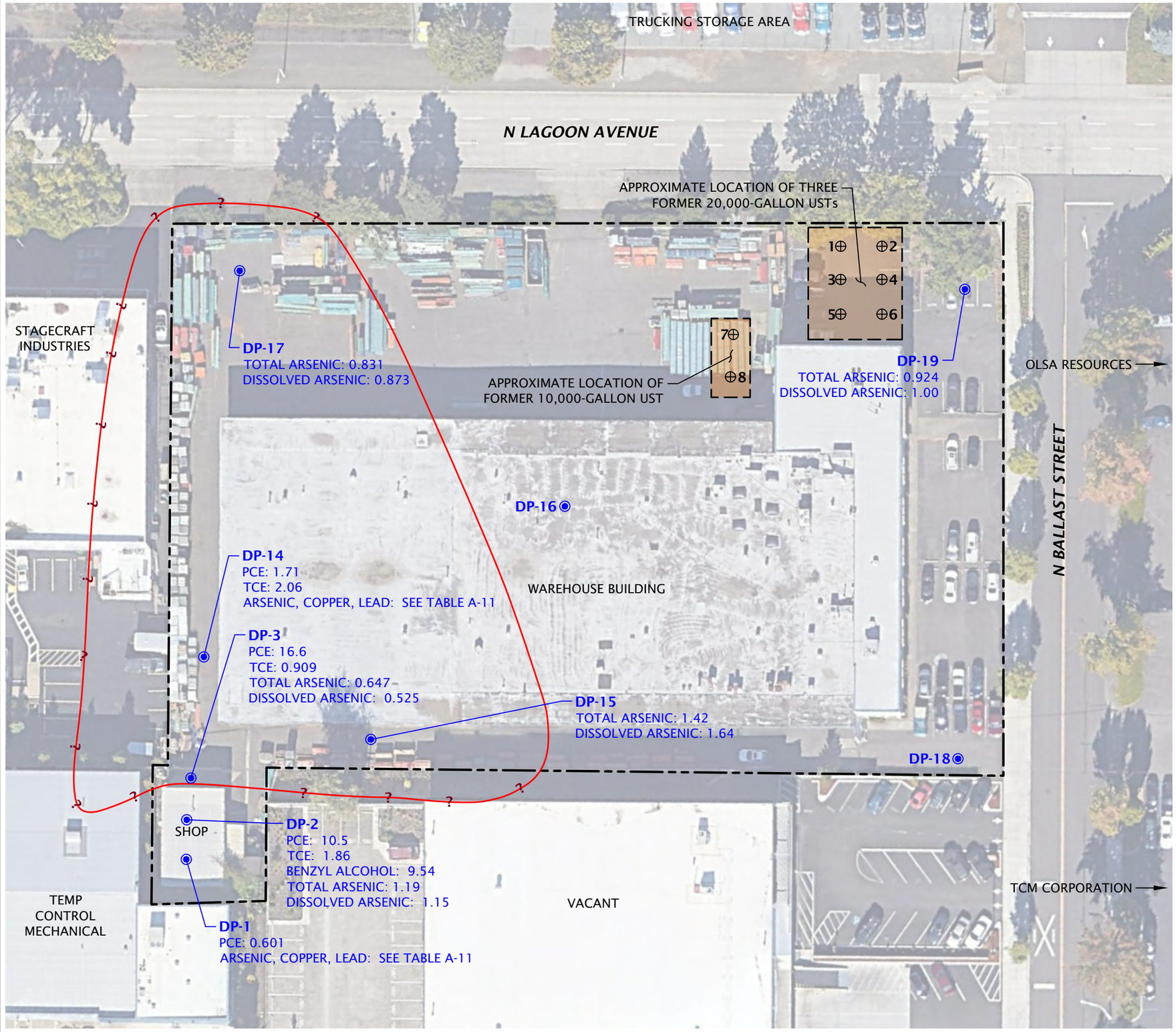
(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, FEBRUARY 28, 2020

NV5

Printed By: mmiller | Print Date: 7/15/2021 2:49:39 PM
File Name: J:\A-D\BCSAmerica\BCSAmerica-1\BCSAmerica-1-02\Figures\CAD\SCE\BCSAmerica-1-02-SOIL-CONCS-SHOP.dwg | Layout: FIGURE 3

DRAFT



LEGEND:

- PROJECT SITE BOUNDARY
- DP-14 ◉ DIRECT-PUSH BORING (GEODESIGN, 2020)
- 1⊕ CONFIRMATION SOIL SAMPLE (PEMCO, 1991)
- ESTIMATED EXTENT OF IMPACTED FILL MATERIAL

CONCENTRATIONS EXCEEDING PORTLAND HARBOR CULS AND DEQ JSCS SLVS ARE SHOWN. CONCENTRATIONS IN μG/L.

N

0 50 100

(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, FEBRUARY 28, 2020

GROUNDWATER CONCENTRATIONS

FIGURE 4

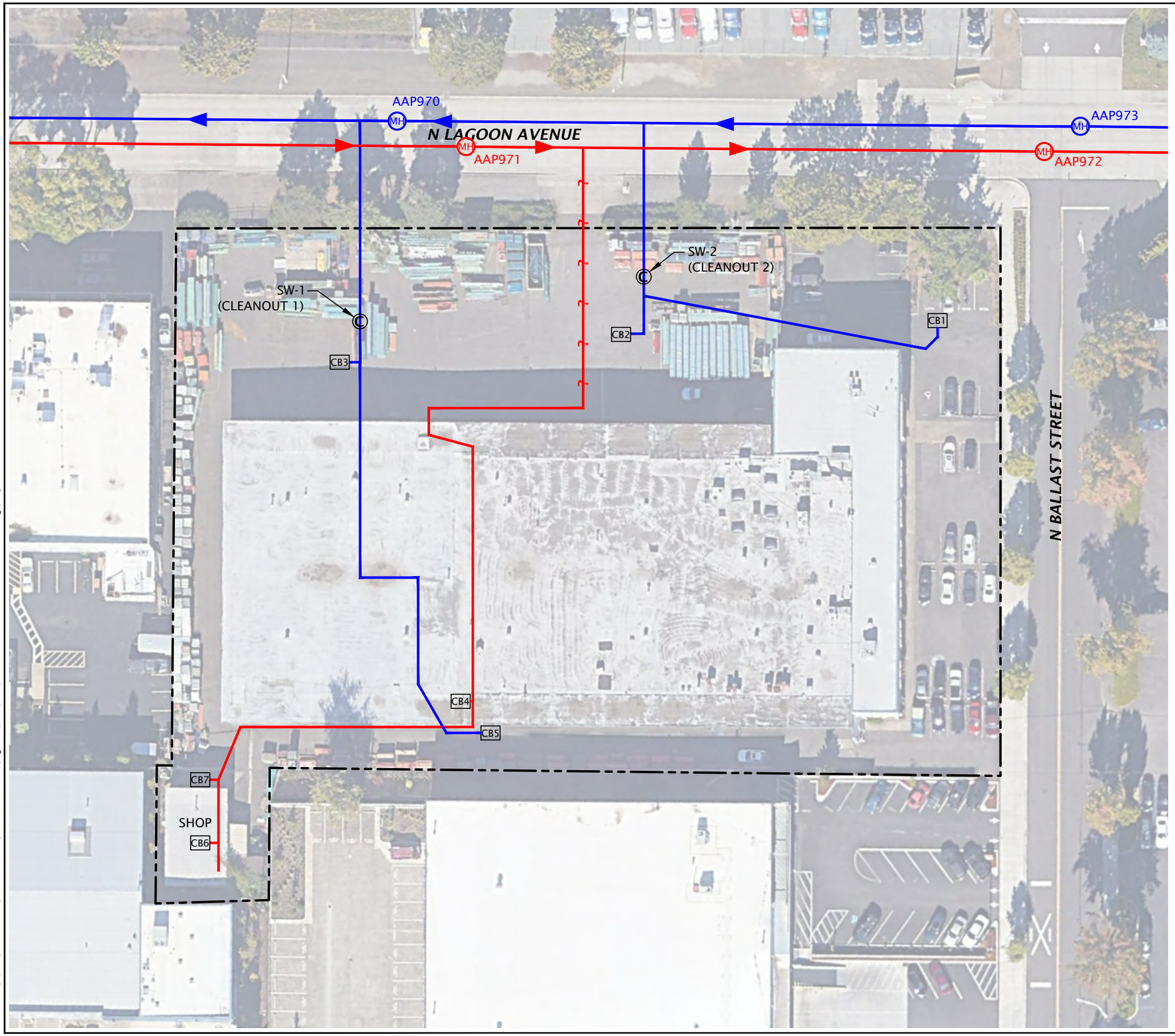
FORMER AUTOMATIC VENDING COMPANY
PORTLAND, OR

BCSAMERICA-1-02

JULY 2021

NV5

Printed By: mmiller | Print Date: 7/15/2021 2:11:08 PM
File Name: J:\A-D\BCSAmerica\BCSAmerica-1\BCSAmerica-1-02\Figures\CAD\SCE\BCSAmerica-1-02-GW-CONCS-01.dwg | Layout: FIGURE 4



DRAFT

LEGEND:

- PROJECT SITE BOUNDARY
- STORM LINE (FLOW DIRECTION SHOWN)
- SANITARY LINE (FLOW DIRECTION SHOWN)
- CB1 — CATCH BASIN
- © — CLEANOUT (INSTALLED JANUARY 2021)
- AAP970 MH — MANHOLE

NOTE:

QUESTION MARKS DENOTE PORTIONS OF THE LINE THAT COULD NOT BE SCOPED.

N

0 50 100

(SCALE IN FEET)

SITE PLAN BASED ON AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH PRO®, FEBRUARY 28, 2020

STORMWATER CONVEYANCE SYSTEM

FIGURE 5

FORMER AUTOMATIC VENDING COMPANY
PORTLAND, OR

BCSAMERICA-1-02

JULY 2021

NV5

Printed By: mmiller | Print Date: 7/15/2021 2:11:18 PM
File Name: J:\A-D\BCSAmerica\BCSAmerica-1\BCSAmerica-1-02\Figures\CAD\SCE\BCSAmerica-1-02-STRMWTR-CONVEY.dwg | Layout: FIGURE 5

TABLES

TABLE 1
Summary of Sediment Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/kg)	JSCS SLVs[2] (µg/kg)	CB-1 (µg/kg)		CB-2 (µg/kg)		CB-3 (µg/kg)		CB-4 (µg/kg)		CB-5 (µg/kg)		CB-6 (µg/kg)		CB-7 (µg/kg)	
Petroleum Hydrocarbons																
Gasoline-Range Hydrocarbons	NE	NE	**33.2**		**10.1**	J	5.60	U	14.2	U	11.6	U	**31.1**		8.39	U
Diesel-Range Hydrocarbons	91	NE	49.9	U	*97.8*	*U*	*96.1*	*U*	*495*	*U*	*97.6*	*U*	*97.3*	*U*	49.6	U
Oil-Range Hydrocarbons	NE	NE	**1,960**		**3,120**		**3,200**		**4,780**		**3,450**		**2,480**		**2,590**	
Metals/Inorganics																
Antimony	NE	64,000	**956**	J	**1,070**		**1,030**		**2,710**	Q-42	**2,230**		**593**	J	**1,280**	
Arsenic	3,000	7,000	**1,590**		**3,650**		**1,770**		**3,890**		**1,780**		**2,300**		**4,270**	
Cadmium	510	1,000	**265**		**1,180**		**239**		**2,490**		**1,180**		**1,240**		**1,150**	
Chromium, total	NE	111,000	**30,400**		**27,600**		**29,500**		**276,000**	Q-42	**41,200**		**16,700**		**34,400**	
Copper	359,000	149,000	**41,000**		**87,800**		**51,600**		**153,000**		**107,000**		**92,000**		**244,000**	
Lead	196	17,000	**19,000**		**29,000**		**46,900**		**67,500**		**71,800**		**30,800**		**24,000**	
Mercury	85	70	40	U	40	U	**53**	J	**42**		**148**		**84**	J	**197**	
Nickel	NE	48,600	**13,800**		**22,300**		**12,000**		**33,800**		**21,200**		**17,500**		**62,900**	
Selenium	NE	2,000	503	U	501	U	500	U	547	U	520	U	538	U	519	U
Silver	NE	5,000	101	U	100	U	**148**	J	**333**		**273**		**183**	J	**175**	J
Zinc	459,000	459,000	**224,000**		**383,000**		**5,860,000**		**661,000**		**1,620,000**		**253,000**		**1,050,000**	
Butyltins																
Monobutyltin	NE	NE	4.1	U	1.9	U	2.3	U	5.1	U	4.2	U	4.0	U	3.4	U
Dibutyltin	NE	NE	**29**		**9.7**		1.2	U	5.1	U	4.2	U	4.0	U	3.4	U
Tributyltin	3,080	2.3	**23**		2.0	U	*2.5*	*U*	*5.5*	*U*	*4.5*	*U*	*4.3*	*U*	*3.7*	*U*
Tetrabutyltin	NE	NE	2.2	U	1.0	U	1.2	U	2.8	U	2.2	U	2.2	U	1.8	U
PCBs Aroclors																
Aroclor 1016	NE	530	9.13	U	8.47	U	8.16	U	9.26	U	96.2	U	19.6	U	9.66	U
Aroclor 1221	NE	NE	9.13	U	8.47	U	8.16	U	9.26	U	96.2	U	19.6	U	19.3	U
Aroclor 1232	NE	NE	18.3	U	16.9	U	8.16	U	9.26	U	96.2	U	60.4	U	19.3	U
Aroclor 1242	NE	NE	9.13	U	8.47	U	**111**	P-12	**32.8**	P-12	96.2	U	19.6	U	9.66	U
Aroclor 1248	NE	1,500	9.13	U	8.47	U	8.16	U	9.26	U	96.2	U	19.6	U	19.3	U
Aroclor 1254	NE	300	9.13	U	**12.4**	J	**45.6**	P-12	**311**	P-12	**1,480**		**40.0**	P-12	**53.1**	P-12
Aroclor 1260	NE	200	9.13	U	**15.2**	J	**23.6**	P-12	**43.3**	P-12	96.2	U	**21.7**	P-12	**50.2**	P-12
Total PCBs																
0	9	0.39	0	U	**27.6**		**180**		**387**		**1,480**		**61.7**		**103**	
1/2DL			36.5	U	**53.0**		**197**		**406**		**1,769**		**131**		**142**	
DL			73.1	U	**78.4**		**213**		**424**		**2,057**		**201**		**181**	
Chlorinated Herbicides																
Dalapon	NE	NE	230	U	110	U	130	U	260	U	230	U	230	U	180	U
Dicamba	NE	NE	15	U	6.9	U	8.2	U	17	U	15	U	15	U	12	U
MCPA	NE	NE	33,000	U	15,000	U	18,000	U	38,000	U	33,000	U	33,000	U	26,000	U
Dichlorprop	NE	NE	150	U	72	U	85	U	180	U	150	U	150	U	120	U
2,4-D	NE	NE	150	U	71	U	84	U	180	U	150	U	150	U	120	U
2,4,5-TP (Silvex)	NE	NE	11	U	**15**	J	**9**	J, P	**25**	J	11	U	11	U	9.1	U
2,4,5-T	NE	NE	12	U	5.4	U	6.4	U	13	U	12	U	12	U	9.2	U
2,4-DB	NE	NE	150	U	68	U	81	U	170	U	150	U	150	U	120	U
Dinoseb	NE	NE	60	U	28	U	33	U	70	U	60	U	60	U	48	U
MCPP	NE	NE	21,000	U	9,700	U	11,000	U	24,000	U	21,000	U	21,000	U	16,000	U
Organochlorine Pesticides																
α - BHC	NE	NE	16.5	U	7.84	U	9.30	U	9.62	U	9.80	U	4.72	U	4.33	U
β - BHC	NE	NE	16.5	U	7.84	U	9.30	U	9.62	U	28.40	U	13.7	U	8.66	U
γ - BHC (Lindane)	5	4.99	*16.5*	*U*	*7.84*	*U*	*9.30*	*U*	*9.62*	*U*	*9.80*	*U*	4.72	U	4.33	U
δ - BHC	NE	NE	16.5	U	7.84	U	9.30	U	9.62	U	9.80	U	9.43	U	4.33	U
Heptachlor	NE	10	16.5	U	7.84	U	9.30	U	9.62	U	9.80	U	4.72	U	4.33	U
Heptachlor epoxide	NE	16	16.5	U	7.84	U	9.30	U	9.62	U	9.80	U	9.43	U	4.33	U
Aldrin	2	40	*16.5*	*U*	*7.84*	*U*	*9.30*	*U*	*9.62*	*U*	*9.80*	*U*	*9.43*	*U*	*4.33*	*U*
Chlordane	NE	0.37	*496*	*U*	*235*	*U*	*279*	*U*	*288*	*U*	*294*	*U*	*142*	*U*	*130*	*U*
Endosulfan I	NE	NE	16.5	U	7.84	U	9.3	U	9.62	U	9.80	U	4.72	U	4.33	U
Endosulfan II	NE	NE	16.5	U	7.84	U	9.3	U	9.62	U	9.80	U	4.72	U	4.33	U
Endosulfan sulfate	NE	NE	16.5	U	7.84	U	9.3	U	9.62	U	9.80	U	4.72	U	4.33	U
DDE	226	0.33	*16.5*	*U*	*7.84*	*U*	*9.30*	*U*	*9.62*	*U*	*19.60*	*U*	*9.43*	*U*	*4.33*	*U*
DDD	114	0.33	*47.9*	*U*	*15.7*	*U*	*9.30*	*U*	*9.62*	*U*	*9.80*	*U*	*4.72*	*U*	*4.33*	*U*
DDT	246	0.33	*33.1*	*U*	*7.84*	*U*	*9.30*	*U*	*19.2*	*U*	*50.0*	*U*	*9.43*	*U*	*8.66*	*U*
DDT - total (DDE+DDD+DDT)	NE	0.33	*97.5*	*U*	*31.4*	*U*	*27.9*	*U*	*38.4*	*U*	*79.4*	*U*	*23.6*	*U*	*17.3*	*U*
Dieldrin	0.007	0.0081	*16.5*	*U*	*7.84*	*U*	*9.30*	*U*	*9.62*	*U*	*19.6*	*U*	*4.72*	*U*	*4.33*	*U*
Endrin	NE	207	16.5	U	7.84	U	9.30	U	19.2	U	9.80	U	4.73	U	4.33	U
Endrin aldehyde	NE	NE	33.1	U	15.7	U	9.30	U	9.62	U	9.80	U	4.82	U	4.33	U
Endrin ketone	NE	NE	33.1	U	15.7	U	9.3	U	9.62	U	9.8	U	4.72	U	4.33	U
Methoxychlor	NE	NE	49.6	U	23.5	U	27.9	U	28.8	U	29.4	U	14.2	U	13.0	U
Toxaphene	NE	NE	496	U	235	U	279	U	288	U	294	U	142	U	130	U
VOCs[3]																
4-Isopropyltoluene	NE	NE	**448**		**76.3**	J	**56.0**		142	U	116	U	**377**		83.9	U
1,2,4-TMB	NE	NE	144	U	**160**		56.0	U	142	U	116	U	**552**		**122**	
1,3,5-TMB	NE	NE	144	U	**86.1**		56.0	U	142	U	116	U	**194**		83.9	U
m,p-Xylene	NE	NE	144	U	70.6	U	56.0	U	142	U	116	U	**220**	J	83.9	U
o-Xylene	NE	NE	71.8	U	**35.3**	J	28.0	U	70.8	U	57.8	U	**111**	J	41.9	U
Toluene	NE	NE	**207**		**110**	J	56.0	U	142	U	116	U	**552**		**122**	J
Vinyl Chloride	NE	NE	71.8	U	35.3	U	28.0	U	70.8	U	57.8	U	71.4	U	41.9	U
Organonitrogen Compounds																
Carbazole	NE	1,600	*5,290*	*U*	1,240	U	1,300	U	685	U	593	U	531	U	517	U
Oxygen-Containing Compounds																
Dibenzofuran	NE	NE	937	U	828	U	867	U	455	U	394	U	353	U	344	U
Phthalate Esters																
Dimethylphthalate	NE	NE	9,370	U	8,280	U	8,670	U	4,550	U	3,840	U	3,530	U	3,440	U
Di-n-butylphthalate	NE	60	*9,370*	*U*	*8,280*	*U*	*8,670*	*U*	*4,550*	*U*	*3,840*	*U*	*3,530*	*U*	*3,440*	*U*
Butylbenzylphthalate	NE	NE	9,370	U	8,280	U	8,670	U	4,550	U	3,840	U	3,530	U	3,440	U
Di-n-octylphthalate	NE	NE	9,370	U	8,280	U	8,670	U	4,550	U	3,840	U	3,530	U	3,440	U
bis(2-Ethylhexyl)phthalate	135	330	*14,100*	*U*	*12,400*	*U*	*13,000*	*U*	**10,300**	J	**6,940**	J	**13,600**		**12,900**	

TABLE 1
Summary of Sediment Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/kg)	JSCS SLVs[2] (µg/kg)	CB-1 (µg/kg)		CB-2 (µg/kg)		CB-3 (µg/kg)		CB-4 (µg/kg)		CB-5 (µg/kg)		CB-6 (µg/kg)		CB-7 (µg/kg)	
PAHs																
Naphthalene[4]	NE	561	**336**	J	**154**	J	112	U	283	U	231	U	**286**	J	**168**	J
2-Methylnaphthalene	NE	200	*1,880*	*U*	*1,660*	*U*	*1,740*	*U*	*914*	*U*	*732*	*U*	*709*	*U*	*691*	*U*
Acenaphthylene	NE	200	*937*	*U*	*828*	*U*	*867*	*U*	*455*	*U*	*394*	*U*	*353*	*U*	*344*	*U*
Acenaphthene	NE	300	**957**	J, Q-42	*828*	*U*	*867*	*U*	*455*	*U*	*394*	*U*	*353*	*U*	*344*	*U*
Fluorene	NE	536	*937*	*U*	*828*	*U*	*867*	*U*	455	U	394	U	353	U	344	U
Phenanthrene	NE	1,170	**17,200**		**2,490**		**1,620**		**687**	J	**649**	J	353	U	344	U
Anthracene	NE	845	**3,070**		828	U	*867*	*U*	455	U	394	U	353	U	344	U
Fluoranthene	NE	2,230	**41,200**		**7,240**		**3,910**		**1,320**		**1,320**		353	U	344	U
Pyrene	NE	1,520	**37,400**		**6,710**		**3,620**		**1,410**		**1,430**		353	U	344	U
Benzo(a)anthracene	NE	1,050	**14,400**		**3,650**		**1,730**	J	**572**	J	**665**	J	353	U	344	U
Chrysene	NE	1,290	**26,600**		**4,640**		**2,710**		**1,080**		**1,290**		353	U	344	U
Benzo(b)fluoranthene	NE	NE	**27,300**	M-05	**4,590**	M-05	**3,160**	M-05	**1,400**	M-05	**1,400**	M-05	531	U	517	U
Benzo(k)fluoranthene	NE	13,000	**18,600**		**3,690**	M-05	**2,490**	J	**1,020**	J	**954**	J	531	U	517	U
Benzo(a)pyrene	NE	1,450	**21,400**		**4,160**		**2,760**		**1,220**	J	**665**	J	353	U	344	U
Indeno(1,2,3-cd)pyrene	NE	100	**21,100**		**2,870**		**1,740**		**760**	J	**647**	J	*353*	*U*	*344*	*U*
Dibenz(a,h)anthracene	NE	1,300	**2,900**		828	U	867	U	384	U	394	U	353	U	344	U
Benzo(g,h,i)perylene	NE	300	**21,100**		**2,970**		**1,740**		**580**	J	**628**	J	*353*	*U*	*344*	*U*
cPAHs	774	NE	**28,894**		**7,785**		**2,724**		**1,397**		**1,221**		**177**		**17**	
Total PAHs																
0	23,000	NE	**253,563**		**42,164**		**23,860**		**9,781**		**10,203**		**286**		**168**	
1/2DL			**255,440**		**45,064**		**28,574**		**11,517**		**11,700**		**3,555**		**3,353**	
DL			**257,317**		**47,964**		**33,407**		**14,167**		**13,988**		**7,533**		**7,229**	
Chlorinated Dioxins and Furans																
2,3,7,8,-TCDD (Toxicity Equivalence Quotient)	1.00E-01	9.10E-06	**4.29E-05**		**2.12E-05**		**2.61E-05**		**1.19E-04**		**9.20E-05**		**2.79E-05**		**2.26E-05**	
2,3,7,8,-TCDD	2.00E-04	9.10E-06	1.28E-05	U	**2.76E-06**	J	4.20E-06	U	5.83E-06	U	3.80E-06	U	5.91E-06	U	5.69E-06	U
2,3,7,8,-TCDF	4.07E-04	7.70E-04	1.14E-05	U	4.04E-06	U	**5.80E-06**	J, K	**3.99E-05**		**1.27E-06**		7.65E-06	U	7.52E-06	U
1,2,3,7,8,-PeCDD	2.00E-04	2.60E-03	**1.44E-05**	J	**6.63E-06**	J, K	**9.06E-06**	J, K	**2.15E-05**	J	**2.09E-05**	J, K	1.25E-05	U	7.74E-06	U
1,2,3,7,8,-PeCDF	NE	2.60E-03	5.61E-06	U	**3.20E-06**	B, J	**4.47E-06**	J, K	**3.65E-05**	J, K	**9.71E-06**	J, K	7.69E-06	U	5.42E-06	U
2,3,4,7,8,-PeCDF	3.00E-04	3.00E-05	5.35E-06	U	**4.42E-06**	J,K	**5.28E-06**	J, K	**6.72E-05**	J	**1.38E-05**	J, K	6.63E-06	U	5.26E-06	U
1,2,3,6,7,8,-HxCDD	NE	NE	**1.14E-05**	J, K	**1.31E-05**	J, K	**1.30E-05**	J, K	**7.01E-05**	J	**6.09E-05**	J	9.95E-06	U	7.24E-06	U
1,2,3,7,8,9,-HxCDD	NE	NE	**2.69E-05**	J, K	**9.82E-06**	J	**1.37E-05**	J	**5.30E-05**	J	**4.82E-05**	J	1.02E-05	U	7.19E-06	U
1,2,3,4,7,8,-HxCDF	4.00E-04	2.70E-03	**7.55E-06**	J	**5.03E-06**	J	**7.59E-06**	J	**6.92E-05**	J	**2.41E-05**	J	**6.25E-06**	J	**6.30E-06**	J, K
1,2,3,6,7,8,-HxCDF	NE	2.70E-03	6.11E-06	U	**4.24E-06**	J, K	**6.05E-06**	J, K	**6.20E-05**	J	**1.85E-05**	J, K	5.57E-06	U	6.47E-06	U
1,2,3,7,8,9,-HxCDF	NE	2.70E-03	9.38E-06	U	3.49E-06	U	5.03E-06	U	**2.04E-05**	J, K	**6.10E-06**	J, K	7.18E-06	U	8.84E-06	U
2,3,4,6,7,8,-HxCDF	NE	2.70E-03	**7.72E-06**	J, K	**5.41E-06**	J, K	**5.38E-06**	J, K	**6.03E-05**	J, K	**2.08E-05**	J	5.95E-06	U	6.74E-06	U
1,2,3,4,6,7,8,-HpCDD	NE	6.90E-01	**2.94E-04**		**3.42E-04**		**3.00E-04**		**1.99E-03**		**2.63E-03**		**5.70E-05**	J	**1.08E-04**	J
1,2,3,4,6,7,8,-HpCDF	NE	6.90E-01	**5.66E-05**	J ,K	**4.96E-05**	J	**5.90E-05**	J	**5.70E-04**		**3.88E-04**		**1.81E-05**	J ,K	**2.89E-05**	J
1,2,3,4,7,8,9,-HpCDF	NE	6.90E-01	1.69E-05	U	4.07E-06	U	8.53E-06	U	4.53E-05	J, K	2.50E-05	J	9.14E-06	U	9.90E-06	U
Total tetrachlorinated dioxins	NE	NE	1.28E-05	U	**2.76E-06**	J	**4.20E-06**	J	**2.14E-05**	J, K	**1.65E-05**	J	5.91E-06	U	5.69E-06	U
Total pentachlorinated dioxins	NE	NE	**8.07E-05**	J, K	**2.28E-05**	J, K	**3.43E-05**	J, K	**1.31E-04**	J, K	**1.20E-04**	J, K	1.25E-05	U	7.74E-06	U
Total hexachlorinated dioxins	NE	NE	**1.80E-04**	J, K	**1.06E-04**	J, K	**1.25E-04**	J, K	**5.84E-04**	J, K	**5.29E-04**	J, K	9.95E-06	U	**3.23E-05**	J, K
Total heptachlorinated dioxins	NE	NE	**6.24E-04**		**6.93E-04**		**6.31E-04**		**3.98E-03**		**5.27E-03**		**1.05E-04**	J	**2.18E-04**	J
Total tetrachlorinated furans	NE	NE	1.14E-05	U	**1.93E-05**	J, K	**1.77E-05**	J, K	**7.75E-04**	J, K	**9.37E-05**	J, K	7.65E-06	U	7.52E-06	U
Total pentachlorinated furans	NE	NE	**3.09E-05**	J, K	**5.71E-05**	J, K	**6.67E-05**	J, K	**7.17E-04**	J, K	**2.03E-04**	J, K	**5.87E-06**	B, J ,K	**1.62E-05**	J, K
Total hexachlorinated furans	NE	NE	**7.39E-05**	J, K	**8.53E-05**	J, K	**9.16E-05**	J, K	**8.59E-04**	J, K	**5.28E-04**	J, K	**1.56E-05**	B, J ,K	**4.16E-05**	J, K
Total heptachlorinated furans	NE	NE	**1.41E-04**	J, K	**1.37E-04**	J, K	**1.49E-04**	J, K	**1.48E-03**	J, K	**1.19E-03**	J	**5.13E-05**	J, K	**6.93E-05**	J

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
3. Only detected VOCs are listed.
4. Naphthalene was analyzed by Method 8260D and 8270E-SIM. Method 8260D resulted in lower detection limits, and therefore these results are shown.
B: The target analyte was detected in the associated blank.
J: Value is estimated.
K: Estimated maximum possible concentration.
M-05: Estimated results. Peak separation for structural isomers is insufficient for accurate quantification
NE: not established
P: The percent RPD between the primary and confirmation column/detector is greater than 40 percent. The lower value has been reported.
P-12: Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
Q-42: Matrix spike and/or duplicate analysis was performed on this sample. Percent recovery or RPD for this analyte is outside laboratory control limits.
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
Italics indicate detection limit is greater than EPA CULs and/or JSCS SLVs.

TABLE 2
Summary of Stormwater Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/L)	JSCS SLVs[2] (µg/L)	SW-1(031821) (µg/L)		SW-1(032821) (µg/L)		SW-1(042421) (µg/L)		SW-1(052421) (µg/L)	
TSS	NE	NE	–		**8,000**	**H-06, Q-42**	**13,000**		**29,000**	
Petroleum Hydrocarbons										
Gasoline-Range Hydrocarbons	NE	NE	50.0	U	50.0	U	50.0	U	50.0	U
Diesel-Range Hydrocarbons	NE	NE	118	U	95.2	U	**1,010**	F-24	**340**	F-17
Oil-Range Hydrocarbons	NE	NE	235	U	190	U	**2,910**	F-24	**508**	F-24
Metals/Inorganics										
Arsenic	0.018	0.045	**0.207**		**0.143**		**1.70**	J	**0.549**	
Cadmium	NE	0.094	**0.0347**		**0.0379**		**0.0713**		**0.0632**	
Chromium	100	100	0.500	U	0.500	U	**1.85**		**5.49**	
Mercury	NE	0.77	0.0400	U	0.0400	U	0.0400	U	0.0400	U
Zinc	36.5	36	**79.5**		**45.1**		**140**		**104**	
Butyltins										
Monobutyltin	NE	NE	**0.081**		**0.061**		0.0024	U	0.0026	U
Dibutyltin	NE	NE	0.002	U	0.0016	U	0.0018	U	0.0019	U
Tributyltin	0.063	0.072	0.0016	U	0.0012	U	0.0014	U	0.0015	U
Tetrabutyltin	NE	NE	0.0022	U	0.0018	U	0.0020	U	0.0021	U
PCBs Aroclors										
Aroclor 1016	NE	0.96	0.0123	U	0.0200	U	0.0189	U	0.0213	U
Aroclor 1221	NE	0.034	0.0247	U	0.0200	U	0.0189	U	0.0426	U
Aroclor 1232	NE	0.034	0.0123	U	0.0200	U	0.0189	U	0.0213	U
Aroclor 1242	NE	0.034	0.0123	U	0.0200	U	0.0189	U	0.0213	U
Aroclor 1248	NE	0.034	0.0123	U	0.0200	U	0.0189	U	0.0213	U
Aroclor 1254	NE	0.033	0.0123	U	0.0200	U	0.0189	U	**0.0741**	
Aroclor 1260	NE	0.034	0.0123	U	0.0200	U	0.0189	U	0.0213	U
Aroclor 1262	NE	NE	--		--		--		--	
Aroclor 1268	NE	NE	--		--		--		-	
Total PCBs	0.0000064	0.000064	*0.0985*	*U*	*0.1400*	*U*	*0.1323*	*U*	0.2232	
VOCs										
1,1,1,2- Tetrachloroethane	NE	2.5	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1- Trichloroethane (TCA)	NE	11	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2,2- Tetrachloroethane	NE	0.33	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,1,2- Trichloroethane	NE	1.2	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,1- Dichloroethane	NE	47	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,2,3- Trichloropropane	NE	0.0095	*0.0500*	*U*	*0.0500*	*U*	*0.0500*	*U*	*0.0500*	*U*
1,2- Dichloroethane (EDC)	NE	0.73	0.0100	U	0.0100	U	0.0100	U	0.0100	U
cis-1,2-Dichloroethlyene	NE	61	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,2- Dichloropropane	NE	0.97	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,2- Dibromoethane (EDB)	NE	0.033	0.0100	U	0.0100	U	0.0100	U	0.0100	U
2- Butanone (MEK)	NE	7,100	5.00	U	5.00	U	5.00	U	5.00	U
2- Chloroethyl Vinyl Ether	NE	NE	--		--		--		--	
2- Hexanone	NE	99	5.00	U	5.00	U	5.00	U	10.0	U
4- Methyl-2-Pentanone (MIBK)	NE	170	5.00	U	5.00	U	5.00	U	5.00	U
Acetone	NE	1,500	**20.5**		10.0	U	**89.4**		**21.4**	
Acrolein	NE	0.042	--		--		--		--	
Acrylonitrile	NE	0.12	*1.00*	*U*	*1.00*	*U*	*1.00*	*U*	*1.00*	U
Bromochloromethane	NE	NE	0.500	U	0.500	U	0.500	U	0.500	U
Bromodichloromethane	NE	1.1	0.500	U	0.500	U	0.500	U	0.500	U
Bromoform	NE	8.5	0.500	U	0.500	U	1.00	U	1.00	U
Bromomethane	NE	8.7	5.00	U	5.00	U	5.00	U	5.00	U
Carbon Disulfide	NE	0.92	*5.00*	*U*	*5.00*	*U*	*5.00*	*U*	*5.00*	*U*
Carbon Tetrachloride	NE	0.51	0.500	U	0.500	U	0.500	U	0.500	U
Chlorobenzene	NE	50	0.250	U	0.250	U	0.250	U	0.250	U
Chlorodibromomethane	NE	0.79	--		--		--		--	
Chloroethane	NE	23	5.00	U	5.00	U	5.00	U	5.00	U
Chloroform	NE	0.17	*0.500*	*U*	*0.500*	*U*	*0.500*	*U*	0.0500	U
Chloromethane	NE	2.1	*5.00*	*U*	*2.50*	*U*	*2.50*	*U*	**4.04**	J
cis-1,2-dichloroethylene	NE	590	--		--		--		--	
cis-1,3-Dichloropropene	NE	0.055	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Dibromomethane	NE	61	0.500	U	0.500	U	0.500	U	0.500	U
Dichlorodifluoromethane	NE	390	0.500	U	0.500	U	0.500	U	0.500	U
Iodomethane (Methyl Iodide)	NE	NE	--		--		--		--	
Isopropylbenzene	NE	660	0.500	U	0.500	U	0.500	U	0.500	U
Methylene chloride	NE	8.9	5.00	U	5.00	U	5.00	U	5.00	U
Styrene	NE	100	0.500	U	0.500	U	1.00	U	0.500	U
trans-1,4-Dichloro-2-butene	NE	7,100	--		--		--		--	
Trichlorofluoromethane	NE	1,300	1.00	U	1.00	U	1.00	U	1.00	U
Vinyl Acetate	NE	16	--		--		--		--	
Benzene	NE	1.2	0.500	U	0.0500	U	0.0500	U	0.0500	U

TABLE 2
Summary of Stormwater Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/L)	JSCS SLVs[2] (µg/L)	SW-1(031821) (µg/L)		SW-1(032821) (µg/L)		SW-1(042421) (µg/L)		SW-1(052421) (µg/L)	
Ethylbenzene	7.3	7.3	0.500	U	0.0500	U	0.0500	U	0.0500	U
m,p-Xylene	NE	1.8	**0.147**	J	0.100	U	0.100	U	0.100	U
o-Xylene	NE	13	**0.0588**	J	0.0500	U	0.0500	U	0.0500	U
Xylenes (total)	NE	200	**0.2058**		0.1500	U	0.1500	U	0.1500	U
Methyltert-butyl ether	NE	37	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Tetrachloroethene (PCE)	NE	0.12	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Toluene	NE	9.8	**0.0677**	J	0.0500	U	0.0500	U	0.0500	U
trans-1,2-Dichloroethene	NE	100	0.0100	U	0.0100	U	0.0100	U	0.0100	U
trans-1,3-Dichloropropene	NE	0.055	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Trichloroethene (TCE)	NE	0.17	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Vinyl Chloride	NE	0.015	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SVOCs - Halogenated Compounds										
1,2-Dichlorobenzene	NE	49	0.250	U	0.250	U	0.250	U	0.250	U
1,3-Dichlorobenzene	NE	14	0.250	U	0.250	U	0.250	U	0.250	U
1,4-Dichlorobenzene	NE	2.8	0.250	U	0.250	U	0.250	U	0.250	U
1,2,4-Trichlorobenzene	NE	8.2	1.00	U	1.00	U	1.00	U	1.00	U
Hexachlorobenzene	0.000029	0.00029	–		–		–		–	
2-Chloronaphthalene	NE	490	–		–		–		–	
Hexachloroethane	NE	3.3	–		–		–		–	
Hexachlorobutadiene	NE	0.86	*2.50*	*U*	*2.50*	*U*	*2.50*	*U*	*2.50*	*U*
Hexachlorocyclopentadiene	NE	5.2	–		–		–		–	
2,2'-oxybis(1-chloropropane)	NE	0.95	–		–		–		–	
Bis-(2-chloroethoxy) methane	NE	NE	–		–		–		–	
Bis-(2-chloroethyl) ether	NE	0.06	–		–		–		–	
4-Chlorophenyl-phenyl ether	NE	0.06	–		–		–		–	
4-bromophenyl-phenyl ether	NE	NE	–		–		–		–	
3,3'-Dichlorobenzidine	NE	0.028	–		–		–		–	
4-Chloroaniline	NE	150	–		–		–		–	
Oxygen-Containing Compounds										
Benzoic Acid	NE	42	–		–		–		–	
Benzyl Alcohol	NE	8.6	–		–		–		–	
Dibenzofuran	NE	3.7	0.0460	U	0.0102	U	0.388	U	0.190	U
Isophorone	NE	71	–		–		–		–	
Phthalate Esters										
Dimethylphthalate	NE	3	0.920	U	0.204	U	*7.77*	*U*	*3.81*	*U*
Diethylphthalate	NE	3	0.920	U	0.204	U	*7.77*	*U*	*3.81*	*U*
Di-n-butylphthalate	NE	3	0.920	U	0.204	U	*7.77*	*U*	*3.81*	*U*
Butylbenzylphthalate	NE	3	0.920	U	0.204	U	*7.77*	*U*	*3.81*	*U*
Di-n-octylphthalate	NE	3	0.920	U	0.204	U	*7.77*	*U*	*3.81*	*U*
bis(2-Ethylhexyl)phthalate	NE	2.2	0.920	U	0.204	U	*7.77*	*U*	*3.81*	*U*
PAHs										
Naphthalene	12	0.2	0.0920	U	0.0204	U	*0.777*	*U*	*0.381*	*U*
2-Methylnaphthalene	NE	0.2	0.0920	U	0.0204	U	*0.777*	*U*	*0.381*	*U*
Acenaphthylene	NE	0.2	0.0460	U	0.0102	U	*0.388*	*U*	0.190	U
Acenaphthene	NE	0.2	0.0460	U	**0.0102**	J	*0.388*	*U*	0.190	U
Fluorene	NE	0.2	0.0460	U	0.0102	U	*0.388*	*U*	0.190	U
Phenanthrene	NE	0.2	0.0460	U	**0.0117**	J	*0.388*	*U*	0.190	U
Anthracene	NE	0.2	0.0460	U	0.0102	U	*0.388*	*U*	0.190	U
Fluoranthene	NE	0.2	0.0460	U	0.0102	U	*0.388*	*U*	0.190	U
Pyrene	NE	0.2	0.0460	U	**0.0106**	J	*0.388*	*U*	**0.194**	J
Benzo(a)anthracene	0.0012	0.018	*0.0460*	*U*	0.0102	U	*0.388*	*U*	*0.190*	*U*
Chrysene	0.0013	0.018	*0.0460*	*U*	0.0102	U	*0.388*	*U*	*0.190*	*U*
Benzo(b)fluoranthene	0.0012	0.018	*0.0690*	*U*	**0.0172**	J	*0.583*	*U*	*0.286*	*U*
Benzo(k)fluoranthene	0.0013	0.018	*0.0690*	*U*	0.0153	U	*0.583*	*U*	*0.286*	*U*
Benzo(a)pyrene	0.00012	0.018	*0.0690*	*U*	**0.0176**	J	*0.583*	*U*	*0.286*	*U*
Indeno(1,2,3-cd)pyrene	0.0012	0.018	*0.0460*	*U*	0.0102	U	*0.388*	*U*	*0.190*	*U*
Dibenz(a,h)anthracene	0.00012	0.018	*0.0460*	*U*	0.0102	U	*0.388*	*U*	*0.190*	*U*
Benzo(g,h,i)perylene	NE	0.2	0.0460	U	0.0102	U	*0.388*	*U*	0.190	U
cPAHs	0.00012	NE	*0.1282*	*U*	**0.0309**		*1.08*	*U*	*0.53*	U
Total PAHs	NE	NE	1.071	U	**0.2461**		9.04	U	4.43	U
Chlorinated Dioxins and Furans										
2,3,7,8,-TCDD (Toxicity Equivalence Quotient)	5.1E-10	5.1E-09	**4.31E-06**		**5.48E-06**		**6.59E-06**		**1.44E-05**	
2,3,7,8,-TCDD	NE	5.1E-09	*1.46E-06*	*U*	*1.90E-06*	*U*	*2.02E-06*	*U*	*2.74E-06*	*U*
2,3,7,8,-TCDF	NE	NE	1.68E-06	U	1.84E-06	U	2.24E-06	U	3.51E-06	U
1,2,3,7,8,-PeCDD	NE	NE	1.53E-06	U	1.78E-06	U	1.68E-06	U	2.56E-06	U
1,2,3,7,8,-PeCDF	NE	NE	1.53E-06	U	1.72E-06	U	1.47E-06	U	2.45E-06	U
2,3,4,7,8,-PeCDF	NE	NE	7.88E-07	U	1.54E-06	U	1.32E-06	U	2.30E-06	U

TABLE 2
Summary of Stormwater Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/L)	JSCS SLVs[2] (µg/L)	SW-1(031821) (µg/L)		SW-1(032821) (µg/L)		SW-1(042421) (µg/L)		SW-1(052421) (µg/L)	
1,2,3,6,7,8,-HxCDD	NE	NE	1.87E-06	U	**2.62E-06**	J, K	2.86E-06	U	4.97E-06	U
1,2,3,7,8,9,-HxCDD	NE	NE	2.00E-06	U	2.41E-06	U	2.93E-06	U	5.01E-06	U
1,2,3,4,7,8,-HxCDF	NE	NE	9.30E-07	U	1.16E-06	U	1.26E-06	U	3.31E-06	U
1,2,3,6,7,8,-HxCDF	NE	NE	9.09E-07	U	1.16E-06	U	1.31E-06	U	3.11E-06	U
1,2,3,7,8,9,-HxCDF	NE	NE	1.46E-06	U	1.66E-06	U	2.10E-06	U	5.08E-06	U
2,3,4,6,7,8,-HxCDF	NE	NE	9.47E-07	U	1.17E-06	U	1.30E-06	U	3.44E-06	U
1,2,3,4,6,7,8,-HpCDD	NE	NE	**1.81E-06**	B, J, K	**2.62E-06**	J, K	**6.30E-05**		**3.17E-04**	
1,2,3,4,6,7,8,-HpCDF	NE	NE	1.53E-06	U	**2.62E-06**	J	**2.82E-06**	J	**2.36E-05**	J
1,2,3,4,7,8,9,-HpCDF	NE	NE	1.53E-06	U	1.88E-06	U	2.62E-06	U	5.58E-06	U
OCDD	NE	NE	**2.49E-05**	B, J	**4.48E-05**	J	**1.22E-03**		**6.75E-03**	
OCDF	NE	NE	**2.64E-06**	B, J, K	5.39E-06	U	**7.91E-06**	J	**5.62E-05**	J
Total tetrachlorinated dioxins	NE	NE	**2.29E-06**	J, K	1.90E-06	U	2.02E-06	U	2.74E-06	U
Total pentachlorinated dioxins	NE	NE	1.53E-06	U	1.78E-06	U	1.68E-06	U	2.56E-06	U
Total hexachlorinated dioxins	NE	NE	**1.31E-05**	B, J, K	**1.82E-05**	J, K	2.86E-06	U	**2.95E-05**	J
Total heptachlorinated dioxins	NE	NE	**3.17E-05**	J, K	**1.09E-04**	J	**1.44E-04**		**7.23E-04**	
Total tetrachlorinated furans	NE	NE	1.68E-06	U	1.84E-06	U	2.24E-06	U	3.51E-06	U
Total pentachlorinated furans	NE	NE	6.41E-07	U	1.24E-06	U	1.32E-06	U	**4.28E-06**	J, K
Total hexachlorinated furans	NE	NE	**1.05E-06**	B, J, K	**1.89E-06**	J, K	**3.42E-06**	B	**2.52E-05**	J, K
Total heptachlorinated furans	NE	NE	**1.81E-06**	B, J, K	**5.64E-06**	J	9.39E-06	U	**8.49E-05**	J

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
B: The target analyte was detected in the associated blank.
F-17: No fuel pattern detected.
F-24: The chromatographic pattern does not resemble the fuel standard used for quantitation. The diesel result represents carbon range C12 to C24, and the oil result represents >C24 to C40.
H-06: This samples was analysis outside the recommended holding time.
J: Value is estimated.
K: Estimated maximum possible concentration.
Q-42: Matrix spike and/or duplicate analysis was performed on this sample. Percent recovery or RPD for this analyte is outside laboratory control limits.
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
Italics indicate the laboratory detection limit is greater than the screening level.
--: not analyzed

TABLE 3
Summary of Stormwater Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/L)	JSCS SLVs[2] (µg/L)	SW-2(031821) (µg/L)		SW-2(032821) (µg/L)		SW-2(042421) (µg/L)		SW-2(052421) (µg/L)	
TSS	NE	NE	–		5,000	U	**8,000**		5,000	U
Petroleum Hydrocarbons										
Gasoline-Range Hydrocarbons	NE	NE	50.0	U	50.0	U	50.0	U	50.0	U
Diesel-Range Hydrocarbons	NE	NE	**205**	F-11, F-15	**306**	F-11	**3,460**	F-11	**2,040**	F-11
Oil-Range Hydrocarbons	NE	NE	**502**	F-16	187	U	192	U	190	U
Metals/Inorganics										
Arsenic	0.018	0.045	**0.239**		**0.190**		**1.14**		**0.566**	J
Cadmium	NE	0.094	**0.0683**		**0.0408**		**0.280**		**0.130**	J
Chromium	100	100	0.500	U	0.500	U	**2.64**		**2.24**	
Mercury	NE	0.77	0.0400	U	0.0400	U	0.0400	U	0.0400	U
Zinc	36.5	36	**142**		**41.7**		**703**		**312**	
Butyltins										
Monobutyltin	NE	NE	**0.150**		0.0025	U	0.0023	U	0.0023	U
Dibutyltin	NE	NE	0.0017	U	0.0025	U	**0.024**		0.0017	U
Tributyltin	0.063	0.072	0.0013	U	0.0025	U	0.0013	U	0.0013	U
Tetrabutyltin	NE	NE	0.0019	U	0.0025	U	0.0019	U	0.0018	U
PCBs Aroclors										
Aroclor 1016	NE	0.96	0.00952	U	0.0187	U	0.0189	U	0.0187	U
Aroclor 1221	NE	0.034	0.00952	U	0.0187	U	0.0189	U	0.0187	U
Aroclor 1232	NE	0.034	0.00952	U	0.0187	U	0.0189	U	0.0187	U
Aroclor 1242	NE	0.034	0.00952	U	0.0187	U	0.0189	U	0.0187	U
Aroclor 1248	NE	0.034	0.00952	U	0.0187	U	0.0189	U	0.0187	U
Aroclor 1254	NE	0.033	0.00952	U	0.0187	U	0.0189	U	0.0187	U
Aroclor 1260	NE	0.034	0.00952	U	0.0187	U	0.0189	U	0.0187	U
Aroclor 1262	NE	NE	--		--		--		--	
Aroclor 1268	NE	NE	--		--		--		--	
Total PCBs	0.0000064	0.000064	*0.06664*	*U*	*0.1309*	*U*	*0.1323*	*U*	*0.1309*	U
VOCs										
1,1,1,2- Tetrachloroethane	NE	2.5	0.200	U	0.200	U	0.200	U	0.200	U
1,1,1- Trichloroethane (TCA)	NE	11	0.200	U	0.200	U	0.200	U	0.200	U
1,1,2,2- Tetrachloroethane	NE	0.33	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,1,2- Trichloroethane	NE	1.2	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,1- Dichloroethane	NE	47	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,2,3- Trichloropropane	NE	0.0095	*0.0500*	*U*	*0.0500*	*U*	*0.0500*	*U*	*0.0500*	*U*
1,2- Dichloroethane (EDC)	NE	0.73	0.0100	U	0.0100	U	0.0100	U	0.0100	U
cis-1,2-Dichloroethlyene	NE	61	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,2- Dichloropropane	NE	0.97	0.0100	U	0.0100	U	0.0100	U	0.0100	U
1,2- Dibromoethane (EDB)	NE	0.033	0.0100	U	0.0100	U	0.0100	U	0.0100	U
2- Butanone (MEK)	NE	7,100	5.00	U	5.00	U	5.00	U	5.00	U
2- Chloroethyl Vinyl Ether	NE	NE	--		--		--		--	
2- Hexanone	NE	99	5.00	U	5.00	U	5.00	U	10.0	U
4- Methyl-2-Pentanone (MIBK)	NE	170	5.00	U	5.00	U	5.00	U	5.00	U
Acetone	NE	1,500	20.0	U	10.0	U	20.0	U	10.0	U
Acrolein	NE	0.042	--		--		--		--	
Acrylonitrile	NE	0.12	*1.00*	*U*	*1.00*	*U*	*1.00*	*U*	*1.00*	*U*
Bromochloromethane	NE	NE	0.500	U	0.500	U	0.500	U	0.500	U
Bromodichloromethane	NE	1.1	0.500	U	0.500	U	0.500	U	0.500	U
Bromoform	NE	8.5	0.500	U	0.500	U	1.00	U	1.00	U
Bromomethane	NE	8.7	5.00	U	5.00	U	5.00	U	5.00	U
Carbon Disulfide	NE	0.92	*5.00*	*U*	*5.00*	*U*	*5.00*	*U*	*5.00*	*U*
Carbon Tetrachloride	NE	0.51	0.500	U	0.500	U	0.500	U	0.500	U
Chlorobenzene	NE	50	0.250	U	0.250	U	0.250	U	0.250	U
Chlorodibromomethane	NE	0.79	--		--		--		--	
Chloroethane	NE	23	5.00	U	5.00	U	5.00	U	5.00	U
Chloroform	NE	0.17	*0.500*	*U*	*0.500*	*U*	*0.500*	*U*	0.0500	U
Chloromethane	NE	2.1	5.00	U	2.50	U	2.50	U	2.50	U
cis-1,2-dichloroethylene	NE	590	--		--		--		--	
cis-1,3-Dichloropropene	NE	0.055	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Dibromomethane	NE	61	0.500	U	0.500	U	0.500	U	0.500	U
Dichlorodifluoromethane	NE	390	0.500	U	0.500	U	0.500	U	0.500	U
Iodomethane (Methyl Iodide)	NE	NE	--		--		--		--	
Isopropylbenzene	NE	660	0.500	U	0.500	U	0.500	U	0.500	U
Methylene chloride	NE	8.9	5.00	U	5.00	U	5.00	U	5.00	U
Styrene	NE	100	0.500	U	0.500	U	0.500	U	0.500	U
trans-1,4-Dichloro-2-butene	NE	7,100	--		--		--		--	

TABLE 3
Summary of Stormwater Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/L)	JSCS SLVs[2] (µg/L)	SW-2(031821) (µg/L)		SW-2(032821) (µg/L)		SW-2(042421) (µg/L)		SW-2(052421) (µg/L)	
Trichlorofluoromethane	NE	1,300	1.00	U	1.00	U	1.00	U	1.00	U
Vinyl Acetate	NE	16	--		--		--		--	
Benzene	NE	1.2	0.500	U	0.0500	U	0.0500	U	0.0500	U
EthylBenzene	7.3	7.3	0.500	U	0.0500	U	0.0500	U	0.0500	U
m,p-Xylene	NE	1.8	0.100	U	0.100	U	0.100	U	0.100	U
o-Xylene	NE	13	0.0500	U	0.0500	U	0.0500	U	0.0500	U
Xylenes (total)	NE	200	0.1500	U	0.1500	U	0.1500	U	0.1500	U
Methyltert-butyl ether	NE	37	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Tetrachloroethene (PCE)	NE	0.12	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Toluene	NE	9.8	0.0500	U	0.0500	U	0.0500	U	0.0500	U
trans-1,2-Dichloroethene	NE	100	0.0100	U	0.0100	U	0.0100	U	0.0100	U
trans-1,3-Dichloropropene	NE	0.055	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Trichloroethene (TCE)	NE	0.17	0.0100	U	0.0100	U	0.0100	U	0.0100	U
Vinyl Chloride	NE	0.015	0.0100	U	0.0100	U	0.0100	U	0.0100	U
SVOCs - Halogenated Compounds										
1,2-Dichlorobenzene	NE	49	0.250	U	0.250	U	0.250	U	0.250	U
1,3-Dichlorobenzene	NE	14	0.250	U	0.250	U	0.250	U	0.25	U
1,4-Dichlorobenzene	NE	2.8	0.250	U	0.250	U	0.250	U	0.250	U
1,2,4-Trichlorobenzene	NE	8.2	1.00	U	1.00	U	1.00	U	1.00	U
Hexachlorobenzene	0.000029	0.00029	--		--		--		--	
2-Chloronaphthalene	NE	490	--		--		--		--	
Hexachloroethane	NE	3.3	--		--		--		--	
Hexachlorobutadiene	NE	0.86	2.50	U	2.50	U	2.50	U	*2.50*	*U*
Hexachlorocyclopentadiene	NE	5.2	--		--		--		--	
2,2'-oxybis(1-chloropropane)	NE	0.95	--		--		--		--	
Bis-(2-chloroethoxy) methane	NE	NE	--		--		--		--	
Bis-(2-chloroethyl) ether	NE	0.06	--		--		--		--	
4-Chlorophenyl-phenyl ether	NE	0.06	--		--		--		--	
4-bromophenyl-phenyl ether	NE	NE	--		--		--		--	
3,3'-Dichlorobenzidine	NE	0.028	--		--		--		--	
4-Chloroaniline	NE	150	--		--		--		--	
Oxygen-Containing Compounds										
Benzoic Acid	NE	42	--		--		--		--	
Benzyl Alcohol	NE	8.6	--		--		--		--	
Dibenzofuran	NE	3.7	0.0374	U	0.0374	U	0.197	U	0.189	U
Isophorone	NE	71	--		--		--		--	
Phthalate Esters										
Dimethylphthalate	NE	3	0.748	U	0.0748	U	*3.88*	*U*	*3.77*	*U*
Diethylphthalate	NE	3	0.748	U	0.0748	U	*3.88*	*U*	*3.77*	*U*
Di-n-butylphthalate	NE	3	0.748	U	0.0748	U	*3.88*	*U*	*3.77*	*U*
Butylbenzylphthalate	NE	3	0.748	U	0.0748	U	*3.88*	*U*	*3.77*	*U*
Di-n-octylphthalate	NE	3	0.748	U	0.0748	U	*3.88*	*U*	*3.77*	*U*
bis(2-Ethylhexyl)phthalate	NE	2.2	0.748	U	0.0748	U	*3.88*	*U*	*3.77*	*U*
PAHs										
Naphthalene	12	0.2	0.0748	U	0.0748	U	*0.194*	*U*	*0.377*	*U*
2-Methylnaphthalene	NE	0.2	0.0748	U	0.0748	U	*0.388*	*U*	*0.377*	*U*
Acenaphthylene	NE	0.2	0.0374	U	0.0374	U	*0.194*	*U*	*0.189*	*U*
Acenaphthene	NE	0.2	0.0374	U	0.0374	U	*0.194*	*U*	*0.189*	*U*
Fluorene	NE	0.2	0.0374	U	0.0374	U	*0.194*	*U*	*0.189*	*U*
Phenanthrene	NE	0.2	0.0374	U	0.0374	U	*0.194*	*U*	*0.189*	*U*
Anthracene	NE	0.2	0.0374	U	0.0374	U	*0.194*	*U*	*0.189*	*U*
Fluoranthene	NE	0.2	0.0374	U	0.0374	U	*0.194*	*U*	*0.189*	*U*
Pyrene	NE	0.2	0.0374	U	0.0374	U	*0.194*	*U*	*0.189*	*U*
Benzo(a)anthracene	0.0012	0.018	*0.0374*	*U*	*0.0374*	*U*	*0.194*	*U*	0.189	U
Chrysene	0.0013	0.018	*0.0374*	*U*	*0.0374*	*U*	*0.194*	*U*	0.189	U
Benzo(b)fluoranthene	0.0012	0.018	*0.0561*	*U*	*0.0561*	*U*	*0.291*	*U*	0.283	U
Benzo(k)fluoranthene	0.0013	0.018	*0.0561*	*U*	*0.0561*	*U*	*0.291*	*U*	0.283	U
Benzo(a)pyrene	0.00012	0.018	*0.0561*	*U*	*0.0561*	*U*	*0.291*	*U*	0.283	U
Indeno(1,2,3-cd)pyrene	0.0012	0.018	*0.0374*	*U*	*0.0374*	*U*	*0.194*	*U*	0.189	U
Dibenz(a,h)anthracene	0.00012	0.018	*0.0374*	*U*	*0.0374*	*U*	*0.194*	*U*	0.189	U
Benzo(g,h,i)perylene	NE	0.2	0.0374	U	0.0374	U	0.194	U	0.189	U
cPAHs	0.00012	NE	*0.1042*	*U*	*0.1042*	*U*	*0.5405*	*U*	*0.5260*	U
Total PAHs	NE	NE	0.8709	U	0.8709	U	4.32	U	4.40	U

TABLE 3
Summary of Stormwater Sample Chemical Analytical Results
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Analyte	Portland Harbor CULs[1] (µg/L)	JSCS SLVs[2] (µg/L)	SW-2(031821) (µg/L)		SW-2(032821) (µg/L)		SW-2(042421) (µg/L)		SW-2(052421) (µg/L)	
Chlorinated Dioxins and Furans										
2,3,7,8,-TCDD (Toxicity Equivalence Quotient)	5.1E-10	5.1E-09	**3.60E-06**		**7.65E-06**		**8.55E-06**		**1.18E-05**	
2,3,7,8,-TCDD	NE	5.1E-09	*9.61E-07*	*U*	*2.09E-06*	*U*	*1.90E-06*	*U*	*2.21E-06*	*U*
2,3,7,8,-TCDF	NE	NE	1.07E-07	U	2.51E-06	U	2.13E-06	U	2.98E-06	U
1,2,3,7,8,-PeCDD	NE	NE	1.08E-06	U	2.68E-06	U	2.07E-06	U	2.70E-06	U
1,2,3,7,8,-PeCDF	NE	NE	7.29E-07	U	1.70E-06	U	1.55E-06	U	1.81E-06	U
2,3,4,7,8,-PeCDF	NE	NE	6.48E-07	U	1.57E-06	U	1.52E-06	U	1.70E-06	U
1,2,3,6,7,8,-HxCDD	NE	NE	1.71E-06	U	3.37E-06	U	3.79E-06	U	3.70E-06	U
1,2,3,7,8,9,-HxCDD	NE	NE	**2.04E-06**	J, K	3.47E-06	U	3.94E-06	U	3.83E-06	U
1,2,3,4,7,8,-HxCDF	NE	NE	5.48E-07	U	1.40E-06	U	1.96E-06	U	1.76E-06	U
1,2,3,6,7,8,-HxCDF	NE	NE	5.25E-07	U	1.41E-06	U	1.88E-06	U	1.73E-06	U
1,2,3,7,8,9,-HxCDF	NE	NE	7.99E-07	U	2.28E-06	U	2.82E-06	U	2.82E-06	U
2,3,4,6,7,8,-HxCDF	NE	NE	5.38E-07	U	1.40E-06	U	1.92E-06	U	1.79E-06	U
1,2,3,4,6,7,8,-HpCDD	NE	NE	**4.45E-05**	J	**5.46E-05**		**1.32E-04**		**2.47E-04**	
1,2,3,4,6,7,8,-HpCDF	NE	NE	**1.20E-06**	B, J, K	**2.45E-06**	J	3.79E-06	U	**7.71E-06**	J, K
1,2,3,4,7,8,9,-HpCDF	NE	NE	1.22E-06	U	3.01E-06	U	**4.79E-06**	J	4.03E-06	U
OCDD	NE	NE	**8.07E-04**		**5.62E-04**		**2.76E-03**		**6.27E-03**	
OCDF	NE	NE	**4.11E-06**	B, J, K	5.56E-06	U	**7.08E-06**	J	4.28E-06	U
Total tetrachlorinated dioxins	NE	NE	9.61E-07	U	2.09E-06	U	1.90E-06	U	2.21E-06	U
Total pentachlorinated dioxins	NE	NE	**1.83E-06**	B, J, K	2.68E-06	U	2.07E-06	U	1.50E-06	U
Total hexachlorinated dioxins	NE	NE	**1.95E-05**	B, J, K	**1.85E-05**	J, K	**1.69E-05**	J, K	**1.99E-05**	J, K
Total heptachlorinated dioxins	NE	NE	1.08E-04	U	**1.19E-04**		**3.19E-04**		**5.68E-04**	
Total tetrachlorinated furans	NE	NE	1.07E-06	U	2.51E-06	U	2.13E-06	U	2.98E-06	U
Total pentachlorinated furans	NE	NE	**7.72E-07**	B, J	1.57E-06	U	**2.07E-06**	J, K	**2.36E-06**	J, K
Total hexachlorinated furans	NE	NE	**1.89E-06**	B, J, K	1.40E-06	U	5.76E-06	U	**1.11E-05**	J
Total heptachlorinated furans	NE	NE	**4.86E-06**	B, J, K	**6.44E-06**	J, K	1.62E-05	U	**3.13E-05**	J, K

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
B: The target analyte was detected in the associated blank.
F-11: The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
F-15: Results for diesel are estaimted due to overlap from the reported oil result.
F-16: Results for oil are estimated due to overlap from the reported diesel result.
J: Value is estimated.
K: Estimated maximum possible concentration.
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
Italics indicate the laboratory detection limit is greater than the screening level.
--: not analyzed

APPENDIX A

TABLE A-1
Summary of Soil Sample Chemical Analytical Results
Petroleum Hydrocarbons
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	Hydrocarbon Identification Method NWTPH-HCID (mg/kg)			Gasoline-Range Hydrocarbons Method NWTPH-Gx (mg/kg)	Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (mg/kg)		Total Petroleum Hydrocarbons (mg/kg)	TPH Method 418.1 (mg/kg)
				Gasoline-Range	Diesel-Range	Oil-Range		Diesel-Range	Oil-Range		
Confirmation Soil Samples - Northeastern USTs											
#1	14	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
#2	14	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
#3	14	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
#4	14	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
#5	14	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
#6	14	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
#7	12	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
#8	12	Unknown	09/27/91	ND	ND	ND	–	–	–	--	--
Confirmation Soil Samples - Shop USTs											
1	8	Unknown	10/17/91	ND	ND	DET	–	–	–	--	**970**
2	8	Unknown	10/17/91	ND	ND	DET	–	–	–	--	**1,200**
3	7	Unknown	10/17/91	ND	ND	DET	–	–	–	--	**2,300**
4	8	Unknown	10/17/91	ND	ND	DET	–	–	–	--	**990**
1	6	Unknown	11/18/91	–	–	–	–	–	–	--	**690**
2	7	Unknown	11/18/91	–	–	–	–	–	–	--	**590**
3	9	Unknown	11/18/91	–	–	–	–	–	–	--	**260**
4	7	Unknown	11/18/91	–	–	–	–	–	–	--	**190**
5	7.5	Unknown	11/18/91	–	–	–	–	–	–	--	**930**
6	8	Unknown	11/18/91	–	–	–	–	–	–	--	**390**
7	8.5 - 9	Unknown	11/18/91	–	–	–	–	–	–	--	**1,400**
8	7.5	Unknown	11/18/91	–	–	–	–	–	–	--	**220**
9	7	Unknown	11/18/91	–	–	–	–	–	–	--	**910**
10	7.5	Unknown	11/18/91	–	–	–	–	–	–	--	**1,600**
11	6.5	Unknown	11/18/91	–	–	–	–	–	–	--	**900**
12	6.5-7	Unknown	11/18/91	–	–	–	–	–	–	--	**210**
K&S Borings											
B-1 - #1	4	Native	01/09/19	ND	ND	ND	–	–	–	–	--
B-2 - #2	4	Native	01/09/19	ND	ND	DET	–	25.0 U		**402**	**427**	--
B-3 - #3*	7	Native	01/09/19	--	--	--	**70.5**	**25,800**		**17,000**	**42,871**	--

TABLE A-1
Summary of Soil Sample Chemical Analytical Results
Petroleum Hydrocarbons
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	Hydrocarbon Identification Method NWTPH-HCID (mg/kg)			Gasoline-Range Hydrocarbons Method NWTPH-Gx (mg/kg)	Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (mg/kg)		Total Petroleum Hydrocarbons (mg/kg)	TPH Method 418.1 (mg/kg)
				Gasoline-Range	Diesel-Range	Oil-Range		Diesel-Range	Oil-Range		
B-4 - #4	8	Native	01/09/19	--	--	--	--	25.0 U	610	635	--
B-3 - #5*	9	Native	01/09/19	--	--	--	--	*357 U*	10,200	10,557	--
Confirmation Soil Samples - Hydraulic Hoist Remedial Excavation											
C1	12	Native	03/08/19	--	--	--	--	25.0 U	1,450	1,475	--
C2	12	Native	03/08/19	--	--	--	--	25.0 U	1,060	1,085	--
C3	9	Native	03/08/19	--	--	--	--	*948 U*	3,600	4,548	--
C4	9	Native	03/08/19	--	--	--	--	25.0 U	50.0 U	75.0	--
C5	9	Native	03/08/19	--	--	--	--	25.0 U	60.7	85.7	--
C6	9	Native	03/08/19	--	--	--	--	25.0 U	50.0 U	75.0	--
C7	10	Native	03/08/19	--	--	--	--	276	326	602	--
C8	14	Native	03/08/19	--	--	--	--	25.0 U	718	743	--
GeoDesign Borings											
DP-1	11-12.5	Native	07/18/19	--	--	--	3.04 U	11.1 U	22.2 U	36.3	--
DP-2	11-12.5	Native	07/18/19	--	--	--	3.10 U	9.64 U	19.3 U	32.0	--
DP-2	21-22.5	Native	07/18/19	--	--	--	2.89 U	9.81 U	261	274	--
DP-2	25-26.5	Native	07/18/19	--	--	--	--	11.6 U	23.3 U	34.9	--
DP-3	10-11.5	Native	07/18/19	--	--	--	2.83 U	9.77 U	19.5 U	32.1	--
DP-4	11.5-13	Native	07/19/19	--	--	--	2.87 U	9.90 U	19.8 U	32.6	--
DP-5	10-11.5	Native	07/19/19	--	--	--	3.12 U	10.6 U	21.3 U	35.0	--
DP-6	12-13.5	Native	07/19/19	--	--	--	2.76 U	9.72 U	19.4 U	31.9	--
DP-7	11.5-13	Native	07/19/19	--	--	--	2.59 U	10.4 U	20.7 U	33.7	--
DP-8	11.5-13	Native	07/19/19	--	--	--	3.01 U	10.1 U	20.1 U	33.2	--
DP-9	11-12.5	Native	07/19/19	--	--	--	3.18 U	10.6 U	21.3 U	35.1	--
DP-10	6-7.5	Native	07/19/19	--	--	--	3.24 U	10.3 U	20.5 U	34.0	--
DP-11	6-7.5	Fill	07/19/19	--	--	--	15.0	*218 U*	972	1,205	--
DP-11	10-11.5	Native	07/19/19	--	--	--	4.42	10.6 U	21.2 U	36.2	--
DP-12	5-6.5	Fill	07/19/19	--	--	--	14.5	*213 U*	1,360	1,588	--
DP-12	10-11.5	Native	07/19/19	--	--	--	2.99 U	10.0 U	20.1 U	33.1	--
DP-13	5-6.5	Fill	07/19/19	--	--	--	22.0	*315 U*	1,680	2,017	--
DP-13	10-11.5	Native	07/19/19	--	--	--	3.38 U	10.3 U	20.5 U	34.2	--
DP-14	0.5-1.5	Fill	07/16/20	--	--	--	2.90 U	10.6 U	427	441	--

TABLE A-1
Summary of Soil Sample Chemical Analytical Results
Petroleum Hydrocarbons
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	Hydrocarbon Identification Method NWTPH-HCID (mg/kg)			Gasoline-Range Hydrocarbons Method NWTPH-Gx (mg/kg)	Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (mg/kg)		Total Petroleum Hydrocarbons (mg/kg)	TPH Method 418.1 (mg/kg)
				Gasoline-Range	Diesel-Range	Oil-Range		Diesel-Range	Oil-Range		
DP-14	1.5-2.5	Native	07/16/20	–	–	–	2.93 U	10.8 U	43.0 U	56.7	--
DP-15	1-2	Fill	07/16/20	–	–	–	**8.48**	*225 U*	**1,940**	2,173	--
DP-15	2.5-3.5	Native	07/16/20	–	–	–	2.50 U	10.1 U	40.5 U	53.1	--
DP-16	6-7	Native	07/16/20	–	–	–	2.96 U	10.2 U	40.7 U	53.9	--
DP-17	0.5-1.5	Fill	07/16/20	–	–	–	3.20 U	11.8 U	**47.1**	62.1	--
DP-17	2-3	Native	07/16/20	–	–	–	3.13 U	12.1 U	**30.1**	45.3	--
DP-18	2-3	Fill	07/16/20	–	–	–	3.25 U	12.2 U	**29.0**	44.5	--
DP-19	0.5-1.5	Fill	07/16/20	–	–	–	3.18 U	11.5 U	23.0 U	37.7	--
Off-Site Borings											
#1 B-1	5-6.5	Fill	05/05/92	–	–	–	–	–	–	--	**1,100**
#2 B-1	7.5-8	Fill	05/05/92	–	–	–	–	–	–	--	**1,400**
#3 B-2	4-5.5	Fill	05/05/92	–	–	–	–	–	–	--	**1,800**
#4 B-2C	7-8.5	Fill	05/05/92	–	–	–	–	–	–	--	ND
#5 B-3	4-5.5	Fill	05/05/92	–	–	–	–	–	–	--	**66**
#6 B-3	7-8.5	Fill	05/05/92	–	–	–	–	–	–	--	**2,000**
EPA Portland Harbor CULs[1]				NE	NE	NE	NE	91	NE	NE	NE
DEQ JSCS SLVs[2]				NE	NE	NE	NE	NE	NE	NE	NE

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
DET: detected
ND: not detected at concentrations greater than the reporting or detection limit shown
NE: not established
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
Italics indicate detection limit is greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs.
--: not analyzed
* Soil represented by this samples was subsequently removed.

TABLE A-2
Summary of Soil Sample Chemical Analytical Results
EPH and VPH
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/ Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	EPH Method NWEPH (mg/kg)										VPH Method NWVPH (mg/kg)						
				C8-C10 Aliphatic	C10-C12 Aliphatic	C12-C16 Aliphatic	C16-C21 Aliphatic	C21-C34 Aliphatic	C8-C10 Aromatic	C10-C12 Aromatic	C12-C16 Aromatic	C16-C21 Aromatic	C21-C34 Aromatic	C5-C6 Aliphatic	C6-C8 Aliphatic	C8-C10 Aliphatic	C10-C12 Aliphatic	C8-C10 Aromatic	C10-C12 Aromatic	C12-C13 Aromatic
DP-1	11-12.5	Native	07/18/19	25.9 U, C	*13.0 U*	13.0 U	13.0 U	13.0 U	13.0 U, C	13.0 U, C	13.0 U	13.0 U	13.0 U	3.69 U	5.28 U	2.96 U	3.17 *U*	6.33 U	1.27 U	14.8 U
DP-2	11-12.5	Native	07/18/19	18.8 U, C	*9.42 U*	9.42 U	9.42 U	9.42 U	9.42 U, C	9.42 U, C	9.42 U	9.42 U	9.42 U	2.04 U	2.91 U	1.63 U	1.74 U	3.49 U	0.698 U	8.14 U
DP-2	21-22.5	Native	07/18/19	20.4 U, C	*10.2 U*	10.2 U	10.2 U	10.2 U	10.2 U, C	10.2 U, C	10.2 U	10.2 U	10.2 U	1.96 U	2.81 U	1.57 U,Q	1.68 U	3.37 U	**0.880** Q	7.85 U, Q
DP-3	10-11.5	Native	07/18/19	24.4 U, C	*12.2 U*	12.2 U	12.2 U	12.2 U	12.2 U, C	12.2 U, C	12.2 U	12.2 U	12.2 U	2.30 U	3.29 U	1.84 U	1.97 U	3.95 U	0.790 U	9.21 U
DP-5	10-11.5	Native	07/19/19	20.5 U, C	*10.2 U*	10.2 U	10.2 U	10.2 U	10.2 U, C	10.2 U, C	10.2 U	10.2 U	10.2 U	2.01 U	2.87 U	1.61 U	1.72 U	3.44 U	0.688 U	8.03 U
DP-10	6-7.5	Native	07/19/19	20.9 U, C	*10.4 U*	10.4 U	10.4 U	10.4 U	10.4 U, C	10.4 U, C	10.4 U	10.4 U	10.4 U	2.07 U	2.95 U	1.65 U	1.77 U	3.54 U	0.709 U	8.27 U
DP-11	6-7.5	Fill	07/19/19	23.8 U, C	*11.9 U*	11.9 U	11.9 U	**17.1**	11.9 U, C	11.9 U, C	11.9 U	**17.8**	**62.4**	2.90 U	4.14 U	2.32 U	2.49 U	4.97 U	**1.25**	11.6 U
DP-11	10-11.5	Native	07/19/19	18.9 U, C	*9.46 U*	9.46 U	9.46 U	9.46 U	9.46 U, C	9.46 U, C	9.46 U	9.46 U	9.46 U	2.89 U	4.14 U	2.32 U,Q	2.48 U	4.96 U	0.992 U, Q	11.6 U, Q
DP-12	5-6.5	Fill	07/19/19	21.8 U, C	*10.9 U*	**62.9**	**78.8**	**26.9**	10.9 U, C	10.9 U, C	10.9 U	**16.1**	**54.0**	2.28 U	3.26 U	1.83 U	**2.12**	3.91 U	**6.63**	9.13 U
DP-12	10-11.5	Native	07/19/19	21.4 U, C	*10.7 U*	10.7 U	10.7 U	10.7 U	10.7 U, C	10.7 U, C	10.7 U	10.7 U	10.7 U	1.86 U	2.66 U	1.49 U,Q	1.60 U	3.20 U	0.639 U, Q	7.46 U, Q
DP-13	5-6.5	Fill	07/19/19	19.8 U, C	*9.88 U*	**11.4**	**58.3**	**158**	9.88 U, C	9.88 U, C	9.88 U	**25.4**	**128**	1.93 U	2.76 U	**1.83**	**9.89**	3.32 U	**10.4**	**11.8**
DP-13	10-11.5	Native	07/19/19	22.4 U, C	*11.2 U*	11.2 U	11.2 U	11.2 U	11.2 U, C	11.2 U, C	11.2 U	11.2 U	11.2 U	2.58 U	3.68 U	2.06 U,Q	2.21 U	4.42 U	0.884 U, Q	10.3 U, Q
DP-14	0.5-1.5	Fill	07/16/20	22.7 U	*11.4 U*	11.4 U	11.4 U	11.4 U	11.4 U	11.4 U	11.4 U	11.4 U	11.4 U	2.20 U	3.15 U	1.76 U	1.89 U	3.78 U	**6.44**	8.81 U
DP-15	1-2	Fill	07/16/20	19.9 U	*9.97 U*	9.97 U	**11.6**	**172**	9.97 U	9.97 U	9.97 U	**46.2**	**205**	1.65 U	2.35 U	1.32 U	**3.46**	2.82 U	**46.6**	**10.5**
EPA Portland Harbor CULs[1]				NE	2.6	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
DEQ JSCS SLVs[2]				NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
C: Value is not within control limits.
NE: not established
Q: analyte with an initial or continuing calibration that does not meet established acceptance criteria
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Italics indicate detection limit is greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs.

TABLE A-3
Summary of Soil Sample Chemical Analytical Results
VOCs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	VOCs[1] EPA Methods 5035A and 8260C (mg/kg)																			
				n-Butylbenzene		Ethylbenzene		4-Methyl-2-Pentanone (MiBK)		Isoproplybenzene		n-propylbenzene		Naphthalene		PCE		Toluene		1,2,4-TMB		1,3,5-TMB		m,p-Xylenes		o-Xylenes	
K&S Borings																											
B-3 - #3*	7	Native	01/09/19	**0.133**	M-02	**0.0338**		0.626	U	**0.103**		**0.239**		**1.18**		**10.3**		**0.115**		**0.987**		**0.577**		**0.162**		**0.135**	
Confirmation Soil Samples - Hydraulic Hoist Remedial Excavation																											
C1	12	Unknown	03/08/19	0.0516	U	0.0258	U	0.0516	U	0.0516	U	0.0258	U	0.103	U	**1.66**		0.0516	U	0.0516	U	0.0516	U	0.0516	U	0.0258	U
C2	12	Unknown	03/08/19	0.0501	U	0.0251	U	0.0501	U	0.0501	U	0.0251	U	0.100	U	**0.845**		0.0501	U	0.0501	U	0.0501	U	0.0501	U	0.0251	U
C3	9	Unknown	03/08/19	0.0588	U	0.0294	U	0.588	U	0.0588	U	0.0294	U	0.118	U	**3.42**		0.0588	U	0.0588	U	0.0588	U	0.0588	U	0.0294	U
C4	9	Unknown	03/08/19	0.0542	U	0.0271	U	0.542	U	0.0542	U	0.0271	U	0.108	U	**0.0339**		0.0542	U	0.0542	U	0.0271	U	0.0542	U	0.0271	U
C5	9	Unknown	03/08/19	0.0495	U	0.0248	U	0.495	U	0.0495	U	0.0248	U	0.0991	U	0.0248	U	0.0495	U	0.0495	U	0.0495	U	0.0495	U	0.0248	U
C6	9	Unknown	03/08/19	0.0512	U	0.0256	U	0.512	U	0.0512	U	0.0256	U	0.102	U	0.0256	U	0.0512	U	0.0512	U	0.0512	U	0.0512	U	0.0256	U
C7	10	Unknown	03/08/19	0.0618	U	0.0309	U	0.618	U	0.0618	U	0.0309	U	0.124	U	**0.175**		0.0618	U	0.0618	U	0.0618	U	0.0618	U	0.0309	U
C8	14	Unknown	03/08/19	0.0634	U	0.0317	U	0.634	U	0.0634	U	0.0317	U	0.127	U	**0.0563**		0.0634	U	0.0634	U	0.0634	U	0.0634	U	0.0317	U
GeoDesign Borings																											
DP-1	11-12.5	Native	07/18/19	0.0304	U	0.0304	U	0.304	U	0.0152	U	0.0152	U	0.0608	U	0.0152	U	0.0304	U	0.0304	U	0.0304	U	0.0304	U	0.0304	U
DP-2	11-12.5	Native	07/18/19	0.0310	U	0.0155	U	0.310	U	0.0310	U	0.0155	U	0.0620	U	0.0155	U	0.0310	U	0.0310	U	0.0310	U	0.0310	U	0.0310	U
DP-2	21-22.5	Native	07/18/19	0.0289	U	0.0144	U	0.289	U	0.0289	U	0.0144	U	0.0578	U	**0.0150**	J	0.0289	U	0.0289	U	0.0289	U	0.0289	U	0.0289	U
DP-2	25-26.5	Native	07/18/19	0.0374	U	0.0187	U	0.374	U	0.0374	U	0.0187	U	0.0749	U	0.0187	U	0.0374	U	0.0374	U	0.0374	U	0.0374	U	0.0187	U
DP-3	10-11.5	Native	07/18/19	0.0283	U	0.0141	U	0.283	U	0.0283	U	0.0141	U	0.0565	U	0.0141	U	0.0283	U	0.0283	U	0.0283	U	0.0283	U	0.0283	U
DP-4	11.5-13	Native	07/19/19	0.0287	U	0.0144	U	0.287	U	0.0287	U	0.0144	U	0.0575	U	0.0144	U	0.0287	U	0.0287	U	0.0287	U	0.0287	U	0.0287	U
DP-5	10-11.5	Native	07/19/19	0.0312	U	0.0156	U	0.312	U	0.0312	U	0.0156	U	0.0623	U	0.0156	U	0.0312	U	0.0312	U	0.0312	U	0.0312	U	0.0312	U
DP-5	15-16.5	Native	07/19/19	0.0329	U	0.0164	U	0.329	U	0.0329	U	0.0164	U	0.0657	U	0.0164	U	0.0329	U	0.0329	U	0.0329	U	0.0329	U	0.0329	U
DP-6	12-13.5	Native	07/19/19	0.0276	U	0.0138	U	0.276	U	0.0276	U	0.0138	U	0.0553	U	0.0138	U	0.0276	U	0.0276	U	0.0276	U	0.0276		0.0276	U
DP-7	11.5-13	Native	07/19/19	0.0259	U	0.0129	U	0.259	U	0.0259	U	0.0129	U	0.0518	U	0.0129	U	0.0259	U	0.0259	U	0.0259	U	0.0259	U	0.0259	U
DP-8	11.5-13	Native	07/19/19	0.0301	U	0.0301	U	0.301	U	0.0301	U	0.0301	U	0.0602	U	0.0151	U	0.0301	U	0.0301	U	0.0301	U	0.0301	U	0.0301	U
DP-9	11-12.5	Native	07/19/19	0.0318	U	0.0318	U	0.318	U	0.0318	U	0.0318	U	0.0635	U	0.0159	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U
DP-10	6-7.5	Native	07/19/19	0.0324	U	0.0324	U	0.324	U	0.0324	U	0.0324	U	0.0648	U	0.0162	U	0.0324	U	0.0324	U	0.0324	U	0.0324	U	0.0324	U
DP-11	6-7.5	Fill	07/19/19	0.0326	U	0.0326	U	**0.831**		0.0326	U	0.0326	U	0.0652	U	**0.0978**		0.0326	U	0.0326	U	0.0326	U	0.0652	U	**0.0482**	
DP-11	10-11.5	Native	07/19/19	0.0262	U	0.0131	U	0.262	U	0.0262	U	0.0131	U	0.105	U	0.0131	U	0.0262	U	0.0262	U	0.0262	U	0.0262	U	0.0131	U
DP-12	5-6.5	Fill	07/19/19	0.0283	U	**0.0153**	J	**0.351**	J	0.0283	U	0.0141	U	0.0565	U	**0.105**		0.0283	U	**0.0401**	J	**0.0571**		**0.0492**	J	**0.0922**	
DP-12	10-11.5	Native	07/19/19	0.0299	U	0.0149	U	0.299	U	0.0299	U	0.0149	U	0.119	U	0.0149	U	0.0299	U	0.0299	U	0.0299	U	0.0299		0.0149	U
DP-13	5-6.5	Fill	07/19/19	0.0390	U	**0.0195**	J	0.390	U	0.0390	U	0.0390	U	0.0780	U	**0.141**		0.0390	U	**0.0585**	J	**0.0405**	J	**0.0468**	J	**0.0678**	
DP-13	10-11.5	Native	07/19/19	0.0338	U	0.0169	U	0.338	U	0.0338	U	0.0169	U	0.135	U	0.0169	U	0.0338	U	0.0338	U	0.0338	U	0.0338	U	0.0169	U
DP-14	0.5-1.5	Fill	07/16/20	0.0290	U	0.0145	U	0.290	U	0.0290	U	0.0145	U	0.0581	U	0.0145	U	0.0290	U	0.0290	U	0.0290	U	0.0290	U	0.0145	U
DP-14	1.5-2.5	Native	07/16/20	0.0293	U	0.0146	U	0.293	U	0.0293	U	0.0146	U	0.0586	U	0.0146	U	0.0293	U	0.0293	U	0.0293	U	0.0293	U	0.0146	U
DP-15	1-2	Fill	07/16/20	0.0294	U	0.0147	U	0.294	U	0.0294	U	0.0147	U	0.0588	U	0.0147	U	0.0294	U	0.0294	U	0.0294	U	0.0294	U	0.0147	U
DP-15	2.5-3.5	Native	07/16/20	0.0250	U	0.0125	U	0.250	U	0.0250	U	0.0125	U	0.0500	U	0.0125	U	0.0250	U	0.0250	U	0.0250	U	0.0250	U	0.0125	U
DP-16	6-7	Native	07/16/20	0.0296	U	0.0148	U	0.296	U	0.0296	U	0.0148	U	0.0591	U	0.0148	U	0.0296	U	0.0296	U	0.0296	U	0.0296	U	0.0148	U
DP-17	0.5-1.5	Fill	07/16/20	0.0320	U	0.0160	U	0.320	U	0.0320	U	0.0160	U	0.0640	U	0.0160	U	0.0320	U	0.0320	U	0.0320	U	0.0320	U	0.0160	U
DP-17	2-3	Native	07/16/20	0.0313	U	0.0157	U	0.313	U	0.0313	U	0.0157	U	0.0626	U	0.0157	U	0.0313	U	0.0313	U	0.0313	U	0.0313	U	0.0157	U
DP-18	2-3	Fill	07/16/20	0.0325	U	0.0163	U	0.325	U	0.0325	U	0.0163	U	0.0651	U	0.0163	U	0.0325	U	0.0325	U	0.0325	U	0.0325	U	0.0163	U
DP-19	0.5-1.5	Fill	07/16/20	0.0318	U	0.0159	U	0.318	U	0.0318	U	0.0159	U	0.0637	U	0.0159	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U	0.0159	U
EPA Portland Harbor CULs[2]				NE		NE		NE		NE		NE		NE		NE		NE		NE		NE		NE		NE	
DEQ JSCS SLVs[3]				NE		NE		NE		NE		NE		0.561		0.5		NE		9.2		NE		NE		NE	

TABLE A-3
Summary of Soil Sample Chemical Analytical Results
VOCs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Notes:
1. Only detected VOCs are listed.
2. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
3. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
J: Estimated result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
M-02: Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
NE: not established
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regualtory screening level.
* Soil represented by this samples was subsequently removed.

TABLE A-4
Summary of Soil Sample Chemical Analytical Results
SVOCs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/ Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	SVOCs EPA Method 8270D-SIM (mg/kg)																													cPAHs (mg/kg)	Total PAHs (mg/kg)
				Anthracene		Acenaphthene		Acenaphthylene		Benzo(a)anthracene		Benzo(a)pyrene		Benzo(b)fluoranthene		Benzo(g,h,i)perylene		Benzo(k)fluoranthene		Bis(2-ethylhexyl)phtalate		Benzyl Alcohol		BEHP		Carbazole		Chrysene		Dibenz(a,h)anthracene		Dibenzofuran		Fluoranthene		Fluorene		Indeno(1,2,3-cd)pyrene		Naphthalene		PCP		Phenanthrene		Pyrene		1-Methylnaphthalene		2-Methylnaphthalene		Phenol			
Confirmation Soil Samples - Hydraulic Hoist Remedial Excavation																		

TABLE A-5
Summary of Soil Sample Chemical Analytical Results
PCBs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/ Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	PCBs EPA Method 8082 (mg/kg)												Total PCBs (mg/kg)		
				PCB 1016		PCB 1221		PCB 1232		PCB 1242		PCB 1248		PCB 1254		PCB 1260		0	1/2 DL	DL
K&S Borings																				
B-3 - #3*	7	Native	01/09/19	0.0203	U	0.0203	U	0.0203	U	0.0203	U	0.0203	U	0.0203	U	**0.109**		0.0	**0.1699**	**0.2308**
Confirmation Soil Samples - Hydraulic Hoist Remedial Excavation																				
C1	12	Unknown	03/08/19	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0	*0.03605*	**0.0721**
C2	12	Unknown	03/08/19	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0.0103	U	0	*0.03605*	**0.0721**
C3	9	Unknown	03/08/19	0.0109	U	0.0109	U	0.0109	U	0.0109	U	0.0109	U	0.0109	U	**0.0339**	P-09	**0.0339**	**0.0666**	**0.0993**
C7	10	Unknown	03/08/19	0.0107	U	0.0107	U	0.0107	U	0.0107	U	0.0107	U	**0.0501**	P-10	**0.0229**	P-10	**0.0730**	**0.0998**	**0.1265**
C8	14	Unknown	03/08/19	0.0098	U	0.0098	U	0.0098	U	0.0098	U	0.0098	U	**0.0166**	P-10	0.0098	U	**0.0166**	**0.0460**	**0.0754**
GeoDesign Borings																				
DP-1	11-12.5	Native	07/18/19	0.00541	U	0.00541	U	0.00541	U	0.00541	U	0.00541	U	0.00541	U	0.00541	U	0	*0.01894*	*0.03787*
DP-2	11-12.5	Native	07/18/19	0.00546	U	0.00546	U	0.00546	U	0.00546	U	0.00546	U	0.00546	U	0.00546	U	0	*0.01911*	*0.03822*
DP-2	21-22.5	Native	07/18/19	0.00546	U	0.00546	U	0.00546	U	0.00546	U	0.00546	U	**0.00942**	J	0.00546	U	**0.00942**	**0.02580**	**0.04218**
DP-3	10-11.5	Native	07/18/19	0.00522	U	0.00522	U	0.00522	U	0.00522	U	0.00522	U	0.00522	U	0.00522	U	0	*0.01827*	*0.03654*
DP-4	11.5-13	Native	07/19/19	0.00544	U	0.00544	U	0.00544	U	0.00544	U	0.00544	U	0.00544	U	0.00544	U	0	*0.01904*	*0.03808*
DP-5	10-11.5	Native	07/19/19	0.00523	U	0.00523	U	0.00523	U	0.00523	U	0.00523	U	0.00523	U	0.00523	U	0	*0.01831*	*0.03661*
DP-6	12-13.5	Native	07/19/19	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0	*0.01873*	*0.03745*
DP-7	11.5-13	Native	07/19/19	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0.00535	U	0	*0.01873*	*0.03745*
DP-8	11.5-13	Native	07/19/19	0.00524	U	0.00524	U	0.00524	U	0.00524	U	0.00524	U	0.00524	U	0.00524	U	0	*0.01834*	*0.03668*
DP-9	11-12.5	Native	07/19/19	0.00537	U	0.00537	U	0.00537	U	0.00537	U	0.00537	U	0.00537	U	0.00537	U	0	*0.01880*	*0.03759*
DP-10	6-7.5	Native	07/19/19	0.00567	U	0.00567	U	0.00567	U	0.00567	U	0.00567	U	0.00567	U	0.00567	U	0	*0.01985*	*0.03969*
DP-11	6-7.5	Fill	07/19/19	0.0549	U	0.0549	U	0.0549	U	**0.245**	P-10	0.0549	U	**1.73**	P-10	**0.505**	P-10	**2.48**	**2.59**	**2.70**
DP-11	10-11.5	Native	07/19/19	0.00204	U	0.00204	U	0.00204	U	0.00204	U	0.00204	U	0.00204	U	0.00204	U	0	*0.00714*	*0.01428*
DP-12	5-6.5	Fill	07/19/19	0.270	U	0.270	U	0.270	U	**2.27**	P-10	0.270	U	**9.32**	P-10	**1.69**	P-10	**13.28**	**13.8**	**14.36**
DP-12	10-11.5	Native	07/19/19	0.00203	U	0.00203	U	0.00203	U	0.00203	U	0.00203	U	0.00203	U	0.00203	U	0	*0.00711*	*0.01421*
DP-13	5-6.5	Fill	07/19/19	0.324	U	0.324	U	0.324	U	**1.06**	P-10	0.324	U	**5.05**	P-10	**0.978**	P-10	**7.09**	7.74	**8.38**
DP-13	10-11.5	Native	07/19/19	0.00217	U	0.00217	U	0.00217	U	0.00217	U	0.00217	U	0.00217	U	0.00217	U	0	*0.00760*	*0.01519*
DP-14	0.5-1.5	Fill	07/16/20	0.0424	U	0.0424	U	0.0424	U	0.0424	U	0.0424	U	**0.830**	P-10,Q-39, Q-42	**0.261**	P-10,Q-39, Q-42	**1.09**	**1.20**	**1.30**
DP-14	1.5-2.5	Native	07/16/20	0.00215	U	0.00215	U	0.00215	U	0.00215	U	0.00215	U	0.00215	U	0.00215	U	0	*0.00753*	*0.0151*
DP-15	1-2	Fill	07/16/20	0.209	U	0.209	U	0.209	U	0.209	U	**11.5**	P-10	0.209	U	**0.938**	P-10	**12.4**	**13.0**	**13.5**
DP-15	2.5-3.5	Native	07/16/20	0.00208	U	0.00208	U	0.00208	U	0.00208	U	0.00208	U	0.00208	U	0.00208	U	0	*0.00728*	*0.01456*
DP-16	6-7	Native	07/16/20	0.00207	U	0.00207	U	0.00207	U	0.00207	U	0.00207	U	0.00207	U	0.00207	U	0	*0.00725*	*0.01449*
DP-17	0.5-1.5	Fill	07/16/20	0.00230	U	0.00230	U	0.00230	U	0.00230	U	0.00230	U	**0.0287**		0.00230	U	**0.0287**	**0.0356**	**0.0425**
DP-17	2-3	Native	07/16/20	0.00242	U	0.00242	U	0.00242	U	0.00242	U	0.00242	U	0.00242	U	0.00242	U	0	*0.00847*	*0.01694*
DP-18	2-3	Fill	07/16/20	0.00246	U	0.00246	U	0.00246	U	0.00246	U	0.00246	U	0.00246	U	0.00246	U	0	*0.00861*	*0.01722*
DP-19	0.5-1.5	Fill	07/16/20	0.00230	U	0.00230	U	0.00230	U	0.00230	U	0.00230	U	0.00230	U	0.00230	U	0	*0.00805*	*0.01610*
EPA Portland Harbor CULs[1]				NE		NE		NE		NE		NE		NE		NE		0.009	0.009	0.009
DEQ JSCS SLVs[2]				0.530		NE		NE		NE		1.5		0.300		0.200		0.00039	0.00039	0.00039

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
NE: not established
P-10: Result estimated due to the presence of multiple PCB Arochlors and/or matrix interference.
Q-39: Results for sample duplicate are significantly higher than the sample results. The duplicate results in QC section of the report.
Q-42: Matrix spike and/or duplicate analysis was performed on this sample. Percent recovery or RPD for this analyte is outside the laboratory control limits.
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
Italics indicate detection limit is greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs.
* Soil represented by this samples was subsequently removed.

TABLE A-6
Summary of Soil Sample Chemical Analytical Results
Total Metals
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Boring/ Sample I.D.	Sample Depth (feet BGS)	Fill or Native	Sample Date	Total Metals EPA Method 6020A (mg/kg)													
				Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
DP-1	11-12.5	Native	07/18/19	--	2.48	102	--	0.359	11.0	--	2.50	0.0452 U	--	0.565 U	0.113 U	--	--
DP-2	11-12.5	Native	07/18/19	--	2.56	61.4	--	0.357	9.23	--	2.17	0.0441 U	--	0.552 U	0.110 U	--	--
DP-3	10-11.5	Native	07/18/19	--	2.20	61.4	--	0.297	8.36	--	2.09	0.0639 J	--	0.559 U	0.112 U	--	--
DP-4	11.5-13	Native	07/19/19	--	2.55	59.9	--	0.381	9.53	--	2.41	0.0435 U	--	0.544 U	0.109 U	--	--
DP-5	10-11.5	Native	07/19/19	--	2.39	67.4	--	0.383	10.4	--	2.62	0.0465 U	--	0.581 U	0.116 U	--	--
DP-10	6-7.5	Native	07/19/19	0.619 U	2.12	75.7	0.272	0.362	11.5	14.1	3.42	0.0495 U	17.0	0.619 U	0.124 U	0.124 U	39.3
DP-11	6-7.5	Fill	07/19/19	6.74	51.3	--	0.111 U	1.05	201	2,410	480	14.9	10.3	0.554 U	0.315	0.111 U	1,650
DP-11	10-11.5	Native	07/19/19	0.576 U	1.84	--	0.280	0.115 U	6.49	10.7	1.96	0.0461 U, H-06	12.0	0.576 U	0.115 U	0.115 U	26.3
DP-12	5-6.5	Fill	07/19/19	102	172	--	0.109 U	1.81	212	4,240	1,110	36.0	24.6	0.546 U	0.215 J	0.109 U	2,790
DP-12	10-11.5	Native	07/19/19	0.559 U	2.31	--	0.262	0.112 U	9.15	12.2	2.41	0.0447 U, H-06	15.6	0.559 U	0.112 U	0.112 U	33.3
DP-13	5-6.5	Fill	07/19/19	2.26	55.1	--	0.243 J	0.902	114	2,320	475	19.7	23.0	0.643 U	0.136 J	0.129 U	936
DP-13	10-11.5	Native	07/19/19	0.579 U	1.87	–	0.233	0.116 U	7.70	11.1	2.11	0.0463 U, H-06	13.3	0.579 U	0.116 U	0.12 U	29.3
DP-14	0.5-1.5	Fill	07/16/20	1.76	21.0	117	–	0.985	50.8	878	194	4.94	–	0.613 U	0.133	–	609
DP-14	1.5-2.5	Native	07/16/20	0.588 U	1.91	52.5	–	0.118 U	10.9	11.5	2.17	0.0470 U	–	0.588 U	0.118 U	–	33.3
DP-15	1-2	Fill	07/16/20	7.02	123	120	–	1.06	140	4,420	1,180	26.1	–	0.582 U	0.246	–	1,460
DP-15	2.5-3.5	Native	07/16/20	0.540 U	2.68	61.4	–	0.108 U	11.7	15.0	2.85	0.0561	–	0.540 U	0.108 U	–	39.5
DP-16	6-7	Native	07/16/20	0.527 U	2.63	77.9	–	0.105 U	13.0	14.8	2.52	0.0444 J	–	0.527 U	0.105 U	–	42.1
DP-17	0.5-1.5	Fill	07/16/20	0.618 U	3.37	144	–	0.124 U	25.4	44.1	10.7	0.158 B-02	–	0.618 U	0.124 U	–	65.5
DP-17	2-3	Native	07/16/20	0.627 U	2.99	150	–	0.125 U	23.1	23.8	4.21	0.0650	–	0.627 U	0.125 U	–	53.6
DP-18	2-3	Fill	07/16/20	0.666 U	4.19	151	–	0.133 U	21.9	21.9	4.65	0.0615	–	0.666 U	0.133 U	–	55.9
DP-19	0.5-1.5	Fill	07/16/20	0.592 U	3.09	87.8	–	0.118 U	17.2	20.2	3.48	0.0529 J	–	0.592 U	0.118 U	–	46.3
EPA Portland Harbor CULs[1]				NE	3	NE	NE	0.51	NE	359	196	0.085	NE	NE	NE	NE	459
DEQ JSCS SLVs[2]				64	7	NE	NE	1	111	149	17	0.07	48.6	2	5	NE	459
Background Concentrations				0.56	8.8	790	2	0.63	76	34	28	0.23	47	0.71	0.82	5.2	180

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
B-02: Analyte detected in an asscoiated blank at a level between one-half the MRL and the MRL.
H-06: This sample was analyzed outside the recommended holding time.
NE: not established
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
–: not analyzed

TABLE A-7
Summary of Groundwater Sample Chemical Analytical Results
Petroleum Hydrocarbons
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Screen Interval (feet BGS)	Gasoline-Range Hydrocarbons Method NWTPH-Gx (µg/L)		Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (µg/L)			
					Diesel-Range		Oil-Range	
DP-1W	07/18/19	20 - 30	50.0	U	94.3	U	189	U
DP-2W	07/18/19	20 - 30	50.0	U	94.3	U	189	U
DP-3W	07/18/19	25 - 35	**58.8**		94.3	U	189	U
DP-14W	07/16/20	24 - 34	50.0	U	96.2	U	192	U
DP-15W	07/16/20	20 - 35	50.0	U	96.2	U	192	U
DP-16W	07/16/20	20 - 30	50.0	U	96.2	U	192	U
DP-16W-DUP	07/16/20	20 - 30	50.0	U	98.0	U	196	U
DP-17W	07/16/20	20 - 35	50.0	U	96.2	U	192	U
DP-18W	07/16/20	19.5 - 34.5	50.0	U	96.2	U	192	U
DP-19W	07/16/20	20 - 35	50.0	U	96.2	U	192	U
EPA Portland Harbor CULs[1]			NE		NE		NE	
DEQ JSCS SLVs[2]			NE		NE		NE	

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005

NE: not established
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.

TABLE A-8
Summary Groundwater Sample Chemical Analytical Results
VOCs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Screen Interval (feet BGS)	VOCs[1] EPA Methods 8260C and 8260C-SIM (µg/L)					
			cis-1,2-DCE	trans-1,2-DCE	Ethylbenzene	MTBE	PCE	TCE
DP-1W	07/18/19	20 - 30	0.0100 U	0.0100 U	0.0500 U	0.0100 U	**0.601**	0.0100 U
DP-2W	07/18/19	20 - 30	**1.49**	**0.0181** J	0.0500 U	0.0100 U	**10.5**	**1.86**
DP-3W	07/18/19	25 - 35	**0.651**	0.0100 U	0.0500 U	0.0100 U	**16.6**	**0.909**
DP-14W	07/16/20	24 - 34	**3.18**	**0.0104** J	**0.0818** J	0.0100 U	**1.71**	**2.06**
DP-15W	07/16/20	20 - 35	0.0200 U	0.0100 U	**0.0545** J	0.0100 U	**0.0465**	0.0200 U
DP-16W	07/16/20	20 - 30	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0100 U	0.0100 U
DP-16W-DUP	07/16/20	20 - 30	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0100 U	0.0100 U
DP-17W	07/16/20	20 - 35	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0100 U	0.0100 U
DP-18W	07/16/20	19.5 - 34.5	0.0100 U	0.0100 U	0.0500 U	0.0100 U	0.0100 U	0.0100 U
DP-19W	07/16/20	20 - 35	0.0100 U	0.0100 U	0.0500 U	**0.0215**	0.0100 U	0.0100 U
EPA Portland Harbor CULs[2]			9.9	NE	7.3	NE	0.24	0.6
DEQ JSCS SLVs[3]			61.0	110	7.3	NE	0.12	0.17

Notes:
1. Only VOCs detected are shown.
2. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
3. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005

NE: not established
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.

TABLE A-9
Summary of Groundwater Sample Chemical Analytical Results
SVOCs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Screen Interval (feet BGS)	SVOCs EPA Method 8270D-SIM (µg/L)																									
			Acenaphthene	Acenaphthylene	Anthracene	Benzyl Alcohol	Di-n-butylphtalate	Bis(2-ethylhexyl)phthalate	Benzoic Acid	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Pentachlorophenol (PCP)	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Phenanthrene	Phenol	Pyrene
DP-1W	07/18/19	20 - 30	0.00935 U	0.00935 U	0.00935 U	**0.524**	0.187 U	0.187 U	**2.08**	*0.00935 U*	*0.0140 U*	*0.0140 U*	*0.0140 U*	0.00935 U	0.0140 U	*0.00935 U*	*0.00935 U*	0.00935 U	*0.0935 U*	0.00935 U	0.00935 U	*0.00935 U*	0.0187 U	0.0187 U	0.0187 U	**0.00976** J	**0.207** J	0.00935 U
DP-2W	07/18/19	20 - 30	0.0374 U	0.0374 U	0.0374 U	**9.54**	0.748 U	0.748 U	4.67 U	*0.0374 U*	*0.0561 U*	*0.0561 U*	*0.0561 U*	0.0374 U	0.0561 U	*0.0374 U*	*0.0374 U*	0.0374 U	*0.374 U*	0.0374 U	0.0374 U	*0.0374 U*	0.0748 U	0.0748 U	0.075 U	0.0374 U	0.748 U	0.0374 U
DP-3W	07/18/19	25 - 35	0.00943 U	0.00943 U	0.00943 U	0.0943 U	0.189 U	0.189 U	1.18 U	*0.00943 U*	*0.0142 U*	*0.0142 U*	*0.0142 U*	0.00943 U	0.0142 U	*0.00943 U*	*0.00943 U*	0.00943 U	*0.0943 U*	0.00943 U	0.00943 U	*0.00943 U*	0.0189 U	0.0189 U	0.0189 U	**0.0154** J	0.189 U	0.00943 U
DP-14W	07/16/20	24 - 34	0.00935 U	0.00935 U	0.00935 U	0.094 U	**0.245** J	0.187 U	1.17 U	*0.00935 U*	*0.0140 U*	*0.0140 U*	*0.0140 U*	0.00935 U	0.0140 U	*0.00935 U*	*0.00935 U*	0.00935 U	*0.0935 U*	0.00935 U	**0.0125** J	*0.00935 U*	0.0187 U	0.0187 U	**0.0226** J	**0.0247**	0.187 U	**0.00936** J
DP-15W	07/16/20	20 - 35	0.00943 U	0.00943 U	0.00943 U	0.0943 U	0.189 U	0.189 U	1.18 U	*0.00943 U*	*0.0142 U*	*0.0142 U*	*0.0142 U*	0.00943 U	0.0142 U	*0.00943 U*	*0.00943 U*	0.00943 U	*0.0943 U*	0.00943 U	0.00943 U	*0.00943 U*	0.0189 U	0.0189 U	0.0189 U	**0.00962** J	0.189 U	0.00943 U
DP-16W	07/16/20	20 - 30	0.00952 U	0.00952 U	0.00952 U	0.0952 U	0.190 U	0.190 U	1.19 U	0.00952 U	*0.0143 U*	*0.0143 U*	*0.0143 U*	0.00952 U	0.0143 U	*0.00952 U*	0.00952 U	0.00952 U	*0.0952 U*	0.00952 U	0.00952 U	*0.00952 U*	0.0190 U	0.0190 U	0.0190 U	0.00952 U	0.190 U	0.00952 U
DP-16W-DUP	07/16/20	20 - 30	0.00962 U	0.00962 U	0.00962 U	0.0962 U	0.192 U	0.192 U	1.20 U	0.00962 U	*0.0144 U*	*0.0144 U*	*0.0144 U*	0.00962 U	0.0144 U	*0.00962 U*	0.00962 U	**0.0110** J	*0.0962 U*	0.00962 U	0.0192 U	*0.00962 U*	**0.0282** J	**0.0379** J	0.0192 U	**0.0147** J	0.192 U	**0.0175** J
DP-17W	07/16/20	20 - 35	0.00943 U	0.00943 U	0.00943 U	0.0943 U	0.189 U	0.189 U	1.18 U	0.00943 U	*0.0142 U*	*0.0142 U*	*0.0142 U*	0.00943 U	0.0142 U	*0.00943 U*	0.00943 U	0.00943 U	*0.0943 U*	0.00943 U	0.00943 U	*0.00943 U*	0.0189 U	0.0189 U	0.0189 U	0.0094 U	0.189 U	0.00943 U
DP-18W	07/16/20	19.5 - 34.5	0.00943 U	0.00943 U	0.00943 U	0.0943 U	0.189 U	0.189 U	1.18 U	0.00943 U	*0.0142 U*	*0.0142 U*	*0.0142 U*	0.00943 U	0.0142 U	*0.00943 U*	0.00943 U	0.00943 U	*0.0943 U*	0.00943 U	0.00943 U	*0.00943 U*	0.0189 U	0.0189 U	0.0189 U	**0.0106** J	0.189 U	0.00943 U
DP-19W	07/16/20	20 - 35	**0.0124** J	0.00943 U	**0.0239**	0.0943 U	0.189 U	0.189 U	1.18 U	*0.00943 U*	*0.0142 U*	*0.0142 U*	*0.0142 U*	0.00943 U	**0.0194** J	*0.00943 U*	*0.00943 U*	**0.00971** J	*0.0943 U*	**0.0488**	**0.0124**	*0.00943 U*	0.0189 U	0.0189 U	0.0189 U	**0.107**	0.189 U	**0.0499**
EPA Portland Harbor CULs[1]			23	NE	0.73	NE	NE	NE	NE	0.0012	0.00012	0.0012	0.0013	NE	NE	0.00130	0.00012	NE	0.03	NE	NE	0.0012	NE	NE	NE	NE	NE	NE
DEQ JSCS SLVs[2]			0.2	0.2	0.2	8.6	3.0	2.2	42	0.018	0.018	0.018	0.018	0.2	3.4	0.018	0.018	3.7	0.56	0.2	0.2	0.018	2.1	0.2	0.2	0.2	2,560	0.2

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
J: Estimated result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
NE: not established
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
Italics indicate detection limit is greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs.

TABLE A-10
Summary of Groundwater Sample Chemical Analytical Results
PCBs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Screen Interval (feet BGS)	PCBs EPA Method 8082 (µg/L)							Total PCBs (µg/L)		
			PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	0	1/2 DL	DL
DP-1W	07/18/19	20 - 30	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0	*0.0679*	*0.1358*
DP-2W	07/18/19	20 - 30	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0	*0.0665*	*0.1330*
DP-3W	07/18/19	25 - 35	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0.0190 U	0	*0.0665*	*0.1330*
DP-14W	07/16/20	24 - 34	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0	*0.0679*	*0.1358*
DP-15W	07/16/20	20 - 35	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0.0194 U	0	*0.0679*	*0.1358*
DP-17W	07/16/20	20 - 35	0.0192 U	0.0192 U	0.0192 U	0.0192 U	0.0192 U	0.0192 U	0.0192 U	0	*0.0672*	*0.1344*
EPA Portland Harbor CULs[1]			NE	NE	NE	NE	NE	NE	NE	0.0000064	0.0000064	0.0000064
DEQ JSCS SLVs[2]			0.96	0.034	0.034	0.034	0.034	0.034	0.034	0.0000064	0.0000064	0.0000064

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
NE: not established
U: Not detected. Reporting or detection limit shown.
Italics indicate detection limit is greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs.

TABLE A-11
Summary of Groundwater Sample Chemical Analytical Results
Total and Dissolved Metals
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Screen Interval (feet BGS)	Total Metals EPA Method 6020A (ICP-MS) (µg/L)													Dissolved Metals EPA Method 6020A (ICP-MS) (µg/L)			
			Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc	Arsenic	Copper	Mercury	Lead
DP-1W	07/18/19	20 - 30	0.500 U	**9.61**	0.100 U	**0.0577** J	**0.713** J	**10.2**	**0.720**	**0.108**	**8.35**	0.500 U	0.100 U	0.100 U	**9.10**	**9.17**	–	–	–
DP-2W	07/18/19	20 - 30	0.500 U	**1.19**	0.100 U	0.0400 U	**0.791** J	**1.20**	**0.237**	0.0400 U	**2.56**	0.500 U	0.100 U	0.100 U	**4.03**	**1.15**	–	–	–
DP-3W	07/18/19	25 - 35	0.500 U	**0.647** J	0.100 U	0.0400 U	0.500 U	0.500 U	0.100 U	0.0400 U	**9.49**	0.500 U	0.100 U	0.100 U	2.00 U	**0.525** J	0.500 U	–	0.100 U
DP-14W	07/16/20	24 - 34	–	**1.33**	–	*0.100 U*	–	**5.62**	**0.584**	0.0400 U	–	–	–	–	**6.56**	**1.06**	1.00 U	0.0400 U	0.100 U
DP-15W	07/16/20	20 - 35	–	**1.42**	–	*0.100 U*	–	**1.39**	0.100 U	0.0400 U	–	–	–	–	**4.49**	**1.64**	1.00 U	0.0400 U	0.100 U
DP-16W	07/16/20	20 - 30	–	*0.500 U*	–	–	–	1.00 U	0.100 U	–	–	–	–	–	–	*0.500 U*	**1.08** J	–	0.100 U
DP-16W-DUP	07/16/20	20 - 30	–	*0.500 U*	–	–	–	**1.09** J	0.100 U	–	–	–	–	–	–	*0.500 U*	1.00 U	–	0.100 U
DP-17W	07/16/20	20 - 35	–	**0.831** J	–	–	–	1.00 U	0.100 U	0.0400 U	–	–	–	–	–	**0.873** J	1.00 U	–	0.100 U
DP-18W	07/16/20	19.5 - 34.5	–	*0.500 U*	–	0.100 U	–	1.00 U	0.100 U	0.0400 U	–	–	–	–	2.00 U	*0.500 U*	1.00 U	0.0400 U	0.100 U
DP-19W	07/16/20	20 - 35	–	**0.924** J	–	–	–	**2.07**	0.100 U	–	–	–	–	–	–	**1.00**	1.00 U	–	0.100 U
EPA Portland Harbor CULs[1]			NE	0.018	NE	0.091	11	2.74	0.54	NE	NE	NE	NE	NE	36.5	0.018	2.74	NE	0.54
DEQ JSCS SLVs[2]			6	0.045	NE	0.094	100	2.7	0.54	0.77	16	5	0.12	NE	36	0.045	2.7	0.77	0.54

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, updated January 2020
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
J: Estimated result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
NE: not established
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than regulatory screening level.
Italics indicate detection limit is greater than EPA Portland Harbor CULs and/or DEQ JSCS SLVs.
–: not analyzed

APPENDIX B

2526

FORM W 271 I
12 60

SANITARY ONLY #79195

CITY OF PORTLAND, OREGON
DEPARTMENT OF PUBLIC WORKS
BUREAU OF MAINTENANCE
SEWER BRANCH

Pmt. No. 79194

Date Feb. 18, 1963

Location 5001 N. Lagoon Ave.

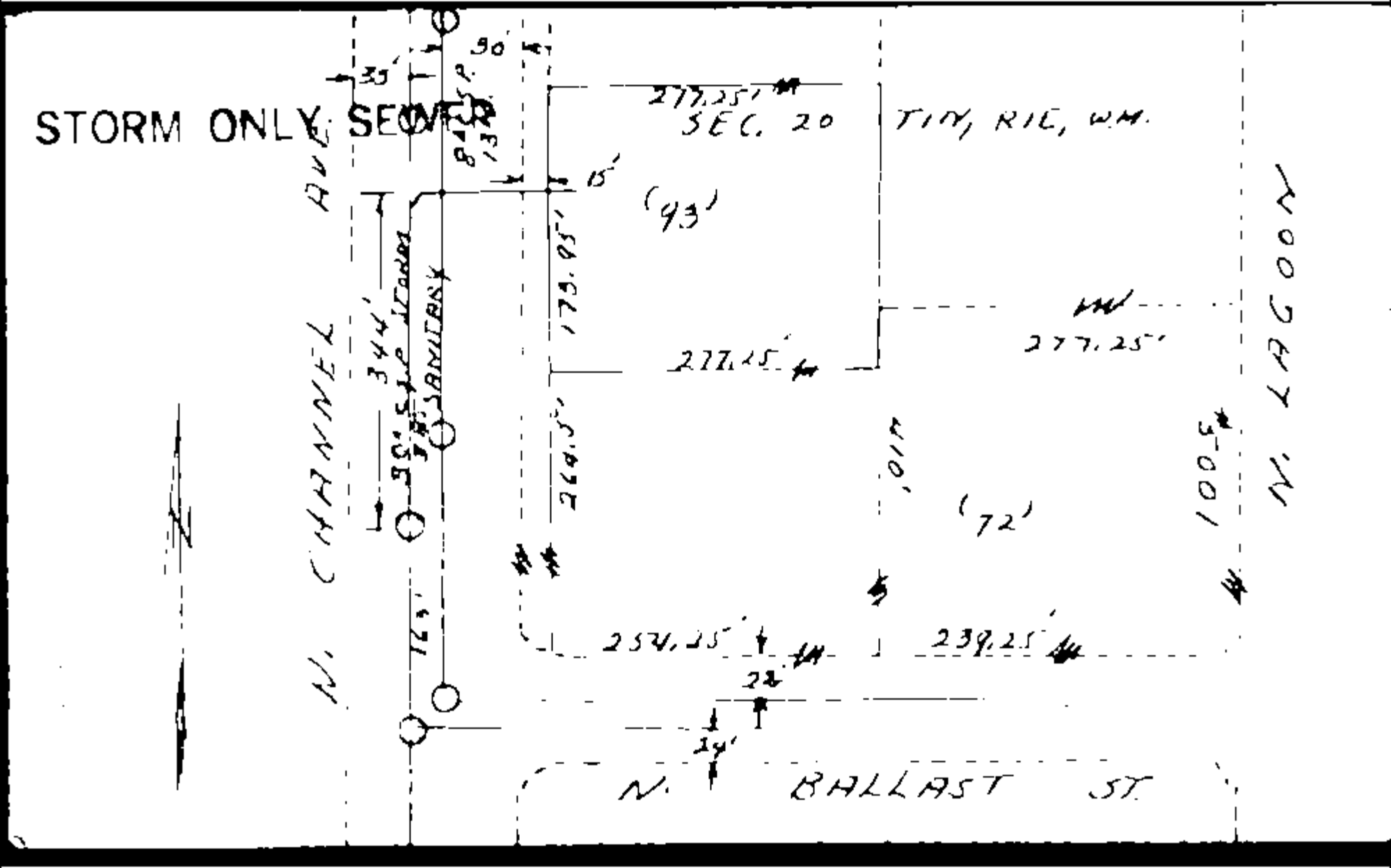
Between

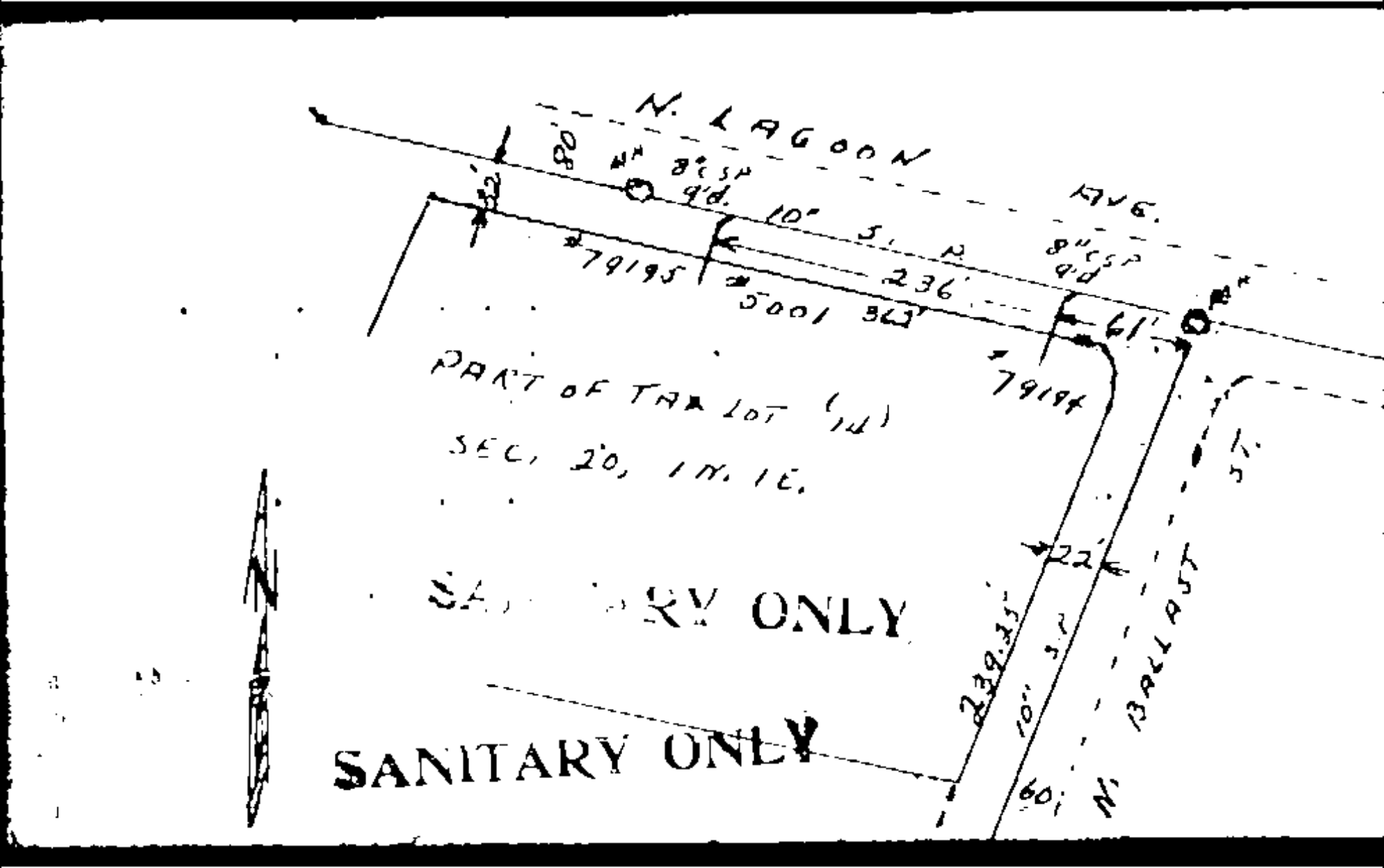
Addition Sec. 20, 1N. 1E. Lot Part of EL 14

Applicant Temp Control Corp. Remarks 79194-All measurements & Inspections by Raz. Construction Inspector. 8" C.S.P. 61' W of MH at N. Ballast St. 9' deep. 79195-Meas. & Insp. by Raz, Constr. Insp. 8" C.S.P. 236' W of MH at N. Ballast St. 9' deep.

Inspected 19 By

Book 11 Page 23 New Repair


STORM ONLY SEWER
SEC. 20 T17N, R1E, W.M.
N. CHANNEL AVE.
N. BALLAST ST.
N. WOODEY AVE.
277.25'
277.25'
277.25'
252.25'
239.25'
179.05'
269.5'
344'
35'
90'
15'
22'
24'
100'
(93')
(72')


N. LAGOON
AVE.
80' M.H. 8"CSP
9'd.
10" S.
8"CSP
9'd
236'
79195
5001 36"
61'
79194
PART OF TRACT (14)
SEC. 20, T.N. R.E.
22'
239.33'
10" S.
60'
N. BALLAST
SANITARY ONLY
SANITARY ONLY

12526

STORM ONLY

FORM W 271 1
12 60

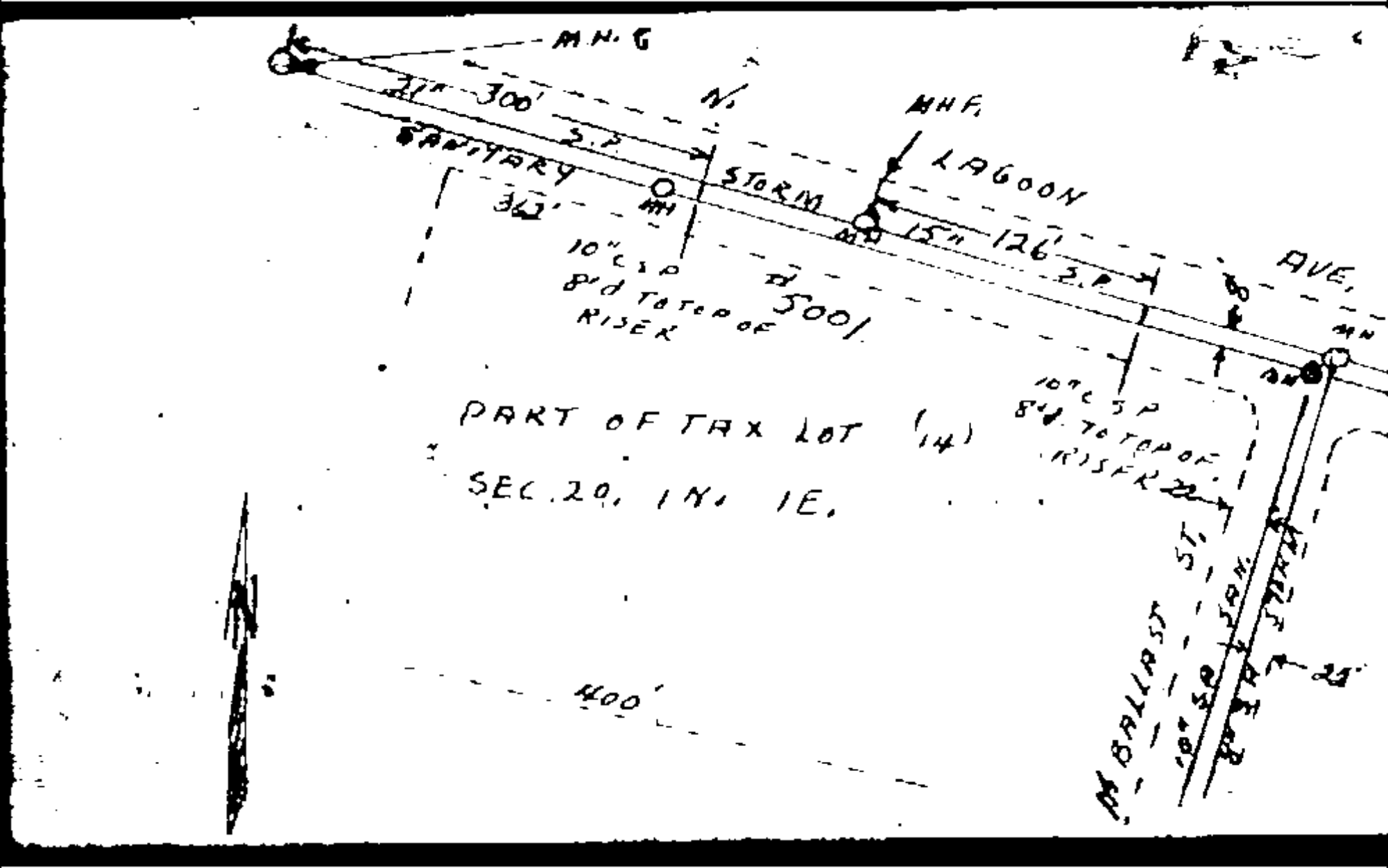
CITY OF PORTLAND, OREGON
DEPARTMENT OF PUBLIC WORKS
BUREAU OF MAINTENANCE
SEWER BRANCH

Pmt. No. 79196 -7
Date 3-7-63 19

Location 5001 N. Lagoon Ave.
Between
Addition Sec. 20, 1N., 1E. Lot Pt.T.L.'14' Blk. - -
Applicant Temp-Control Corp. Remarks 10" C.S.P. to riser. 126' east of MH in front of property. 8' at riser 6' deep at propline.

79197: 10" CSP to riser 300' east of MH to the west of property. 8' deep at riser 6' at property line.

Inspected 3-7-63 19 By P.Grossi
Book 11 Page 21 New Repair


MH. G
21" 300'
SANITARY
MH
MH
MHF
LAGOON
STORM
MH
15" 126'
AVE.
MH
10" C.I.P
8'd TO TOP OF
RISER
500'
10" C.I.P
8'd TO TOP OF
RISER
PART OF TAX LOT (14)
SEC. 20, 1N, 1E.
400'
BALLAST ST.
10" SD
STORM
24"
STORM

2526

FORM W 271-1
(7-68)

CITY OF PORTLAND, OREGON
DEPARTMENT OF PUBLIC WORKS
BUREAU OF MAINTENANCE
SEWER BRANCH

Pmt. No. 86598

Date Dec. 4, 1968

Location 5001 N. Lagoon Ave.

Between N. Channel Ave.

Addition TL 72 and 93 Sec. 20, 1N1E Lot Blk.

Applicant Donohue & Fleskes Corp. Remarks

8" CSP to maint. Tap 344' southeast of MH to the northwest. 13' deep at curb. Storm only.

Inspected 12-13-68 19 By Grossi

Book 11 Page 4 New ✓ Repair

497

N. LAGOON AVENUE

410.00'

277.25'

BALLAST STREET

EXISTING BUILDING
FIN. FLR. 33.0

40'-0"

15'-0"

72'-9"

¾" C.W. CONNECT TO PRESENT BLDG.

SHUT OFF VALVE

EDGE OF CANOPY

22.25'

SANITARY JUNCTION (EXIST.)

22.25'

37'-10"

125.90'

87.75'

4" C.I. SANITARY

M.H.

EXIST. CATCH BASIN

340.75'

33.50'

C.O. PLUG FOR CITY SAMPLING OF WASTE LOCATION TO BE DETERMINED.

Fin. Flr. 34.0

NEW BLDG.

44'-6"

40'-0"

EXISTING CATCH BASIN

20'-0"

3" C.I. STORM

EXISTING PARKING LOT

97'-6"

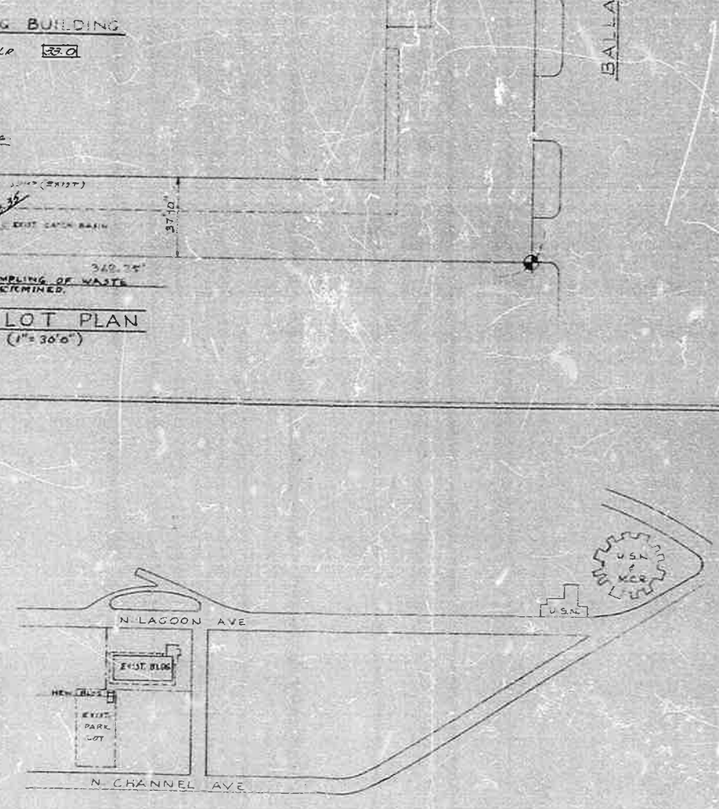
EXISTING STORM SEWER

277.25'

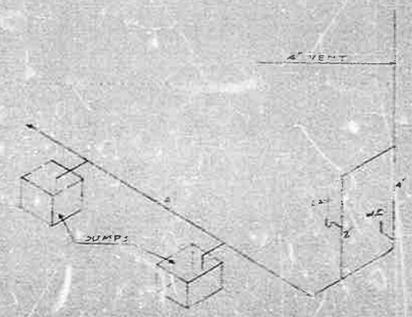
175.97'

N. CHANNEL AVENUE

PLOT PLAN
(1"=30'-0")



VICINITY MAP
(NO SCALE)



ISOMETRIC OF SANITARY
(NO SCALE)

GENERAL NOTES

LOADS & WORKING STRESSES —
ROOF LIVE LOAD — 25 P.S.F.
WIND LOAD — 20 P.S.F.
SOIL BEARING — 1500 P.S.F.
CONCRETE (f'_c) — 2500 P.S.I.
STEEL REINF. (f_s) — 20000 P.S.I.
STEEL FRAMING (f_s) — 50000 P.S.I.
STEEL SHEETING (f_s) — 33000 P.S.I.
WOOD BEAMS & POST — 1450 f NO. 1
DECKING STUDS & PLATES — 1100 f NO. 2
HANDRAIL & POSTS — 1450 f NO. 1

STEEL BUILDING TO BE AS MANUFACTURED BY CUSTOM ROLLED CORRUGATED METALS COMPANY.

ERECTION DETAILS AND STRESS ANALYSIS OF STEEL BUILDING TO BE FURNISHED BY MFR.

ALL WOOD PLATES IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED WITH AN APPROVED PRESERVATIVE.

WOOD PLATES TO BE SECURED TO CONCRETE WITH ½" MACHINE BOLTS USING 2 BOLTS PER PIECE

WOOD POSTS RESTING ON CONCRETE TO BE SEPARATED THEREFROM BY SHEET METAL OR ASPHALT ROOFING FELT AND HELD IN PLACE BY ½"Ø x 6" STEEL PINS EXTENDING 3" INTO POST.

TOILET ROOM WALLS TO BE INSULATED WITH 2" THICK FIBERGLAS BLANKET INSULATION.

40 increase in Employees.

F-1 occupancy — Truck Service building
No painting Motor Repairs or Overhaul Prohibited

ACCEPTABLE
THIS PLAN HAS BEEN REVIEWED AND MEETS THE REQUIREMENTS OF THE PORT OF PORTLAND
EXCEPTIONS ARE NOTED
BY [illegible] 7/23/73

TRUCK SERVICE BUILDING
FOR
CANTEEN COMPANY OF OREGON
SWAN ISLAND - PORTLAND, OREGON

LESLIE E. POOLE - CONSULTING ENGINEER
4606 S.W. 53RD AVENUE - PORTLAND, OREGON

JOB NO.	DATE:	DRAWN BY	SHEET NO.
	1-26-73	P	1

APPENDIX C

Tuesday, January 26, 2021

Plant Receiving Manifest

Profile #: 455304

Manifest ID 128834

Generator Name: BCS America

Address: 5001 N Lagoon
Portland, OR, 97217

Wash out?: Yes

Same as Transporter? Yes

Billing Firm: Stratus Corporation

Waste Description (choose one): Oil/Water

Unit: Pounds

Initial Weight (lbs): 51620

Final Weight (lbs): 42440

Solids?: No

Total Weight (lbs): 9180

Color: Black

Odor None

pH: 7

Liquid Phase: 90

Sludge/Solids: 10

Total Gallons: 991.84

Total Solids (Tons): 0.46

Method of Shipment: Vac Truck

Weight Ticket: pdf Manifest_2021012...

Does This Manifest Need a Change Order?: No

Relinquished By (Driver Signiture):

Driver Name: Dennis

Truck License #: 62

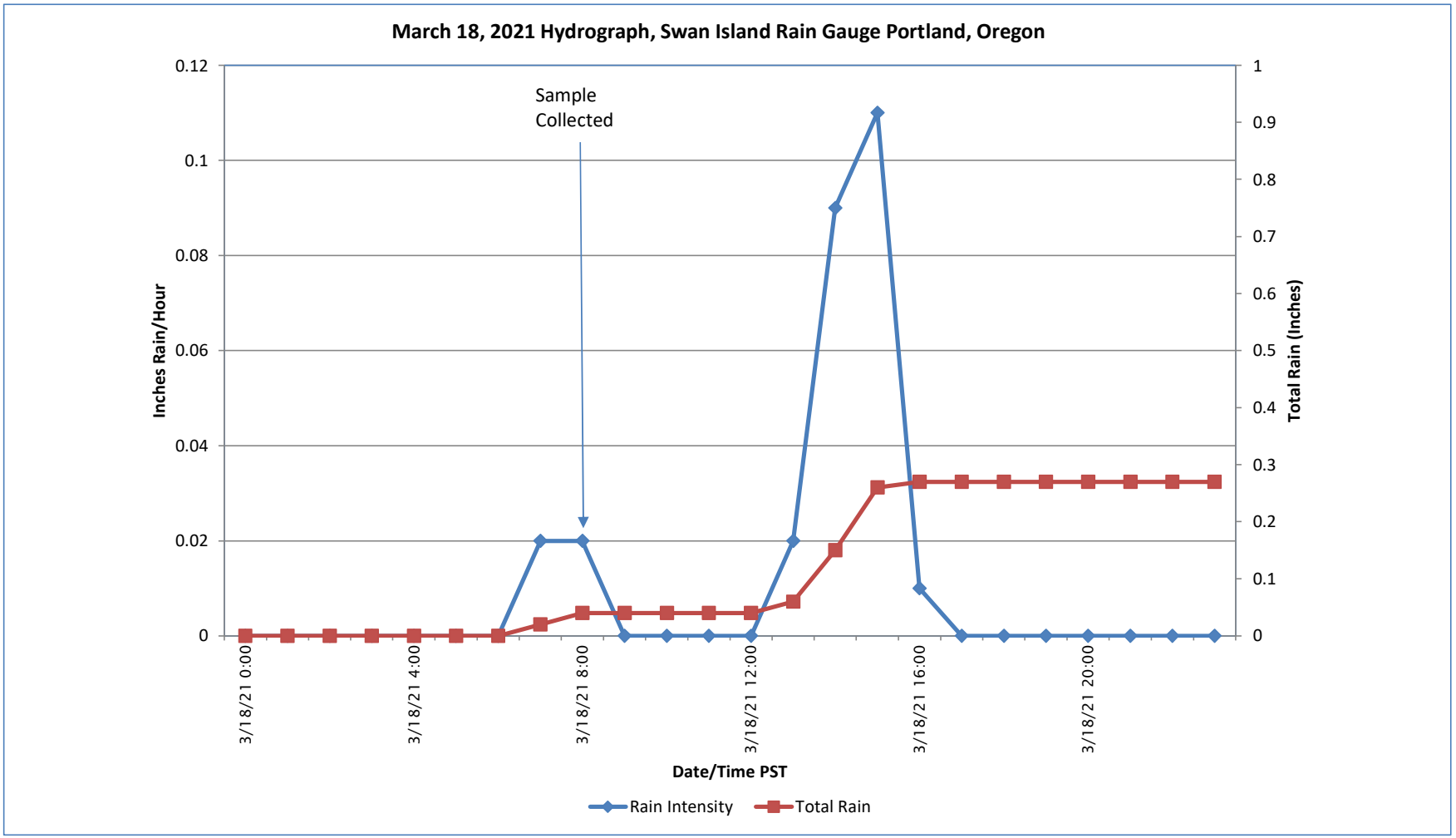
PPV Technician: Michael Douglas Shockley

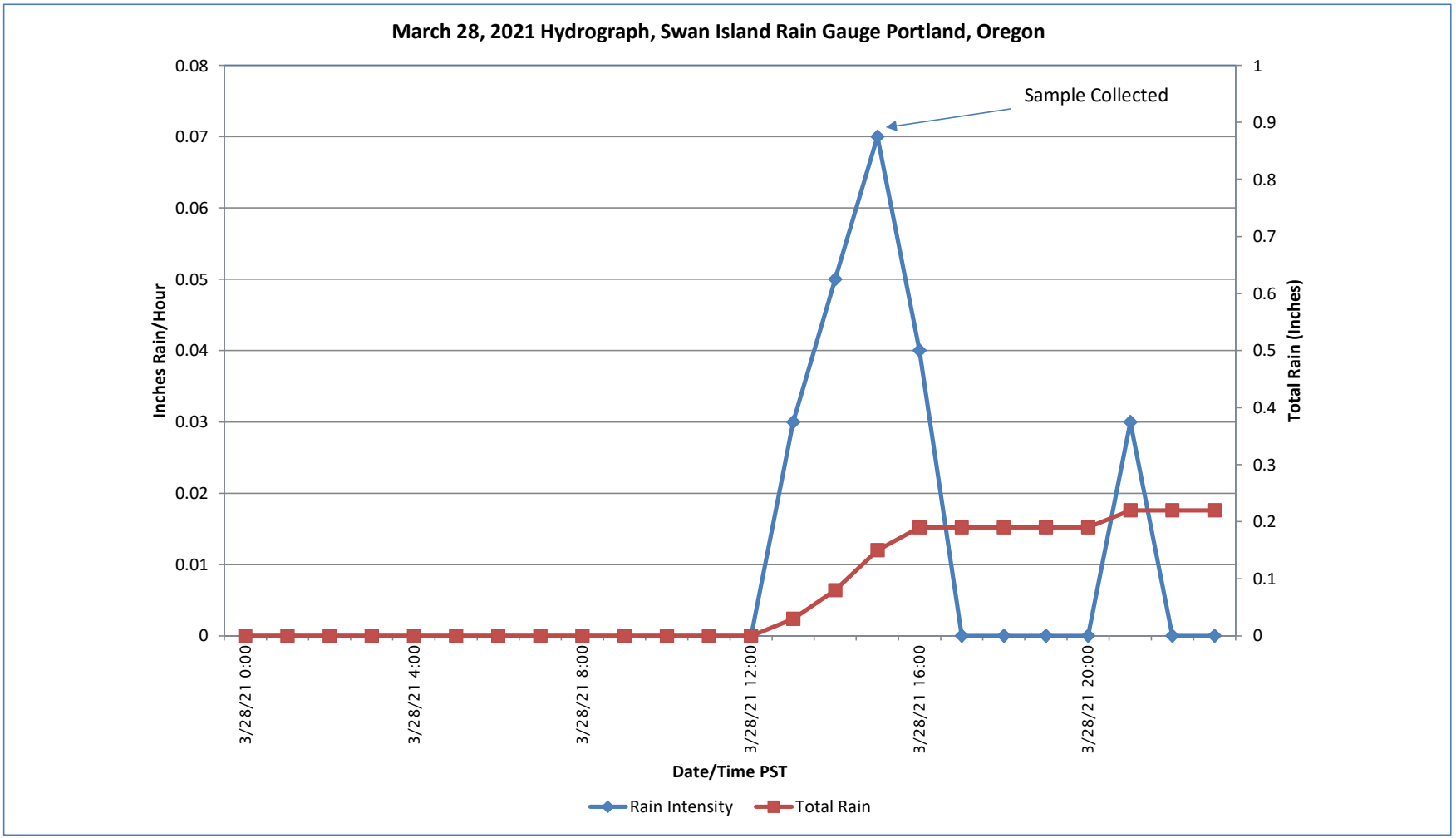
PPV Acceptance: Approved

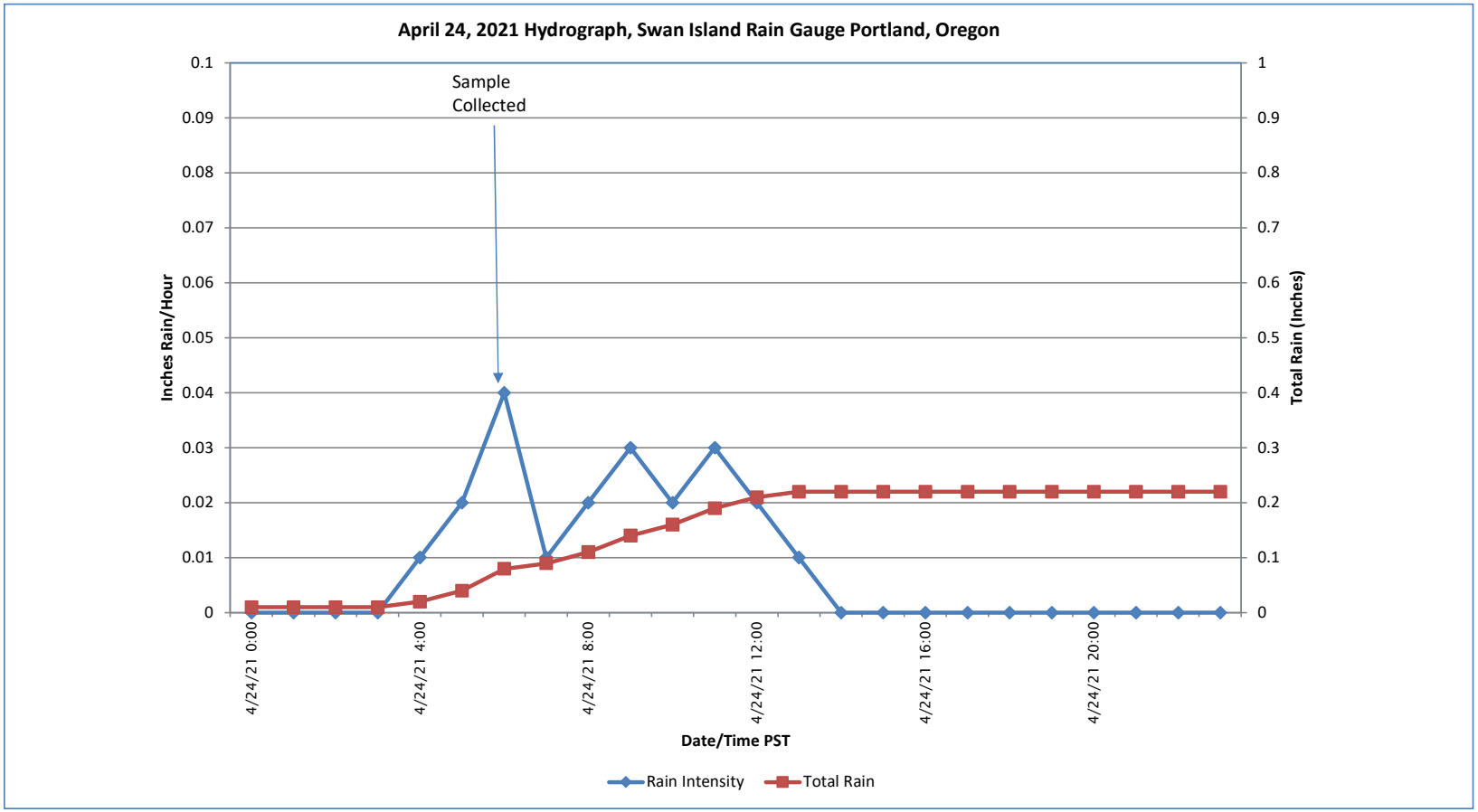
Date Tuesday, January 26, 2021

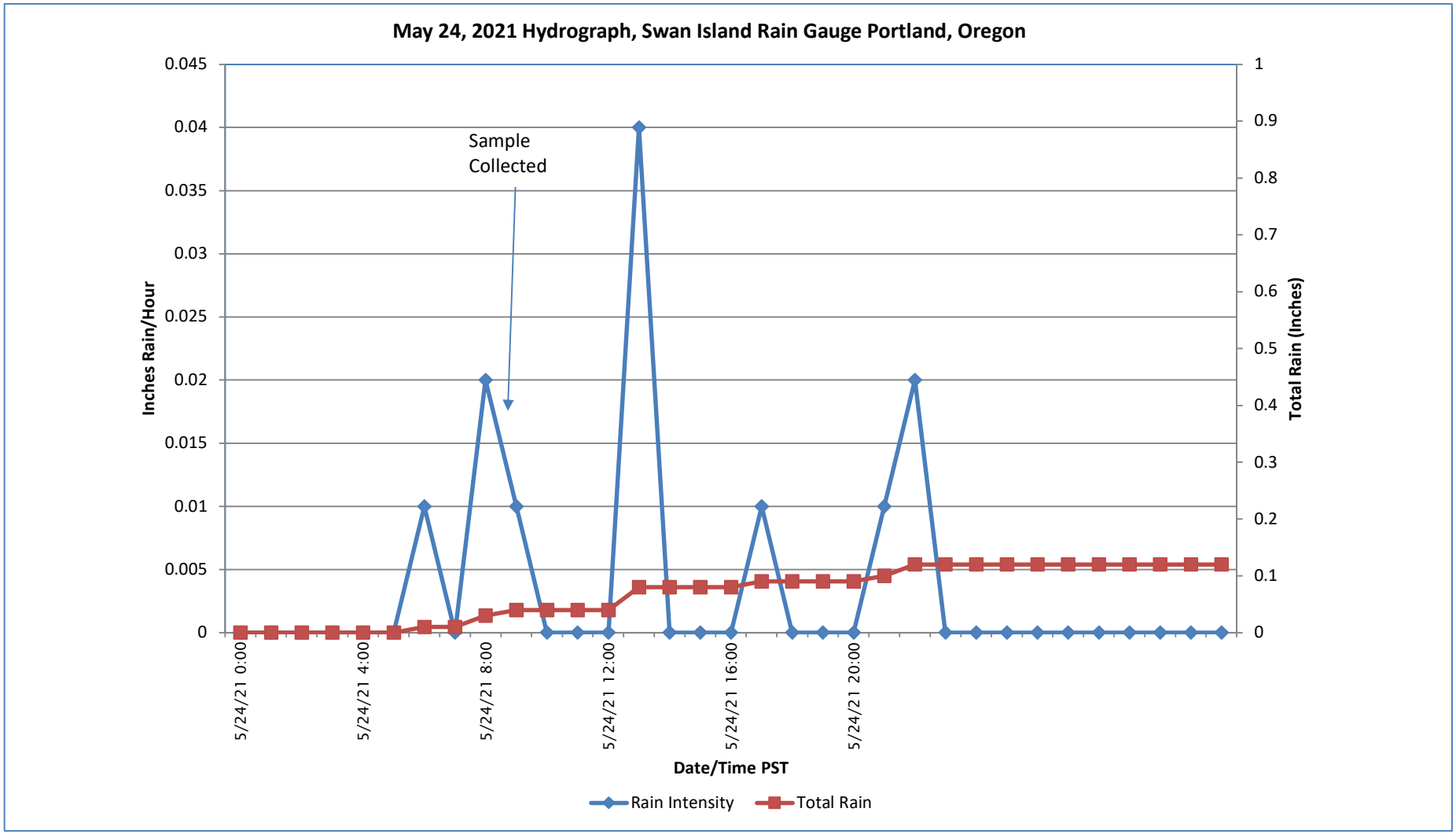
Time 7:08 AM

APPENDIX D

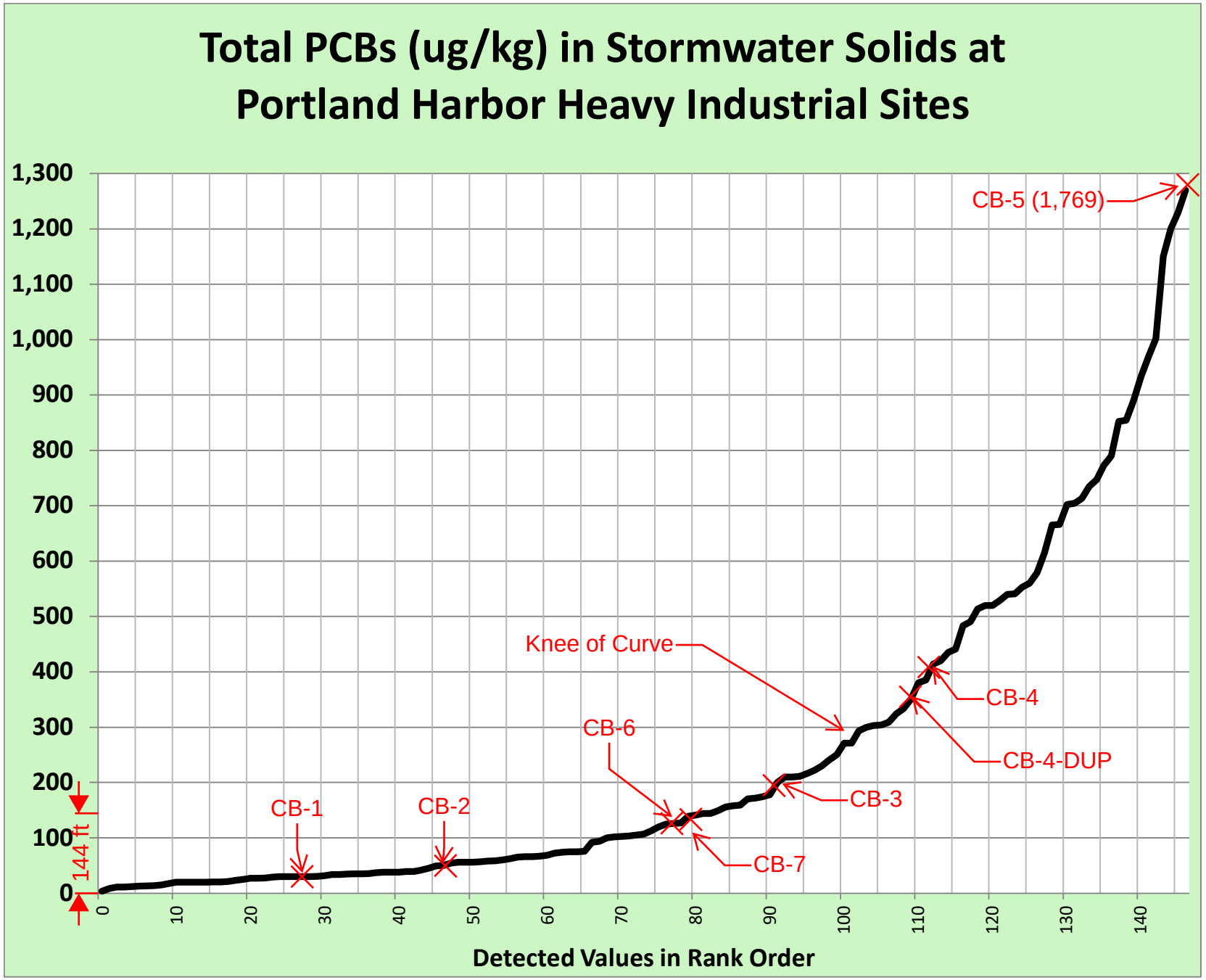

March 18, 2021 Hydrograph, Swan Island Rain Gauge Portland, Oregon
Sample Collected
Inches Rain/Hour
Total Rain (Inches)
0.12
0.1
0.08
0.06
0.04
0.02
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3/18/21 0:00
3/18/21 4:00
3/18/21 8:00
3/18/21 12:00
3/18/21 16:00
3/18/21 20:00
Date/Time PST
Rain Intensity
Total Rain

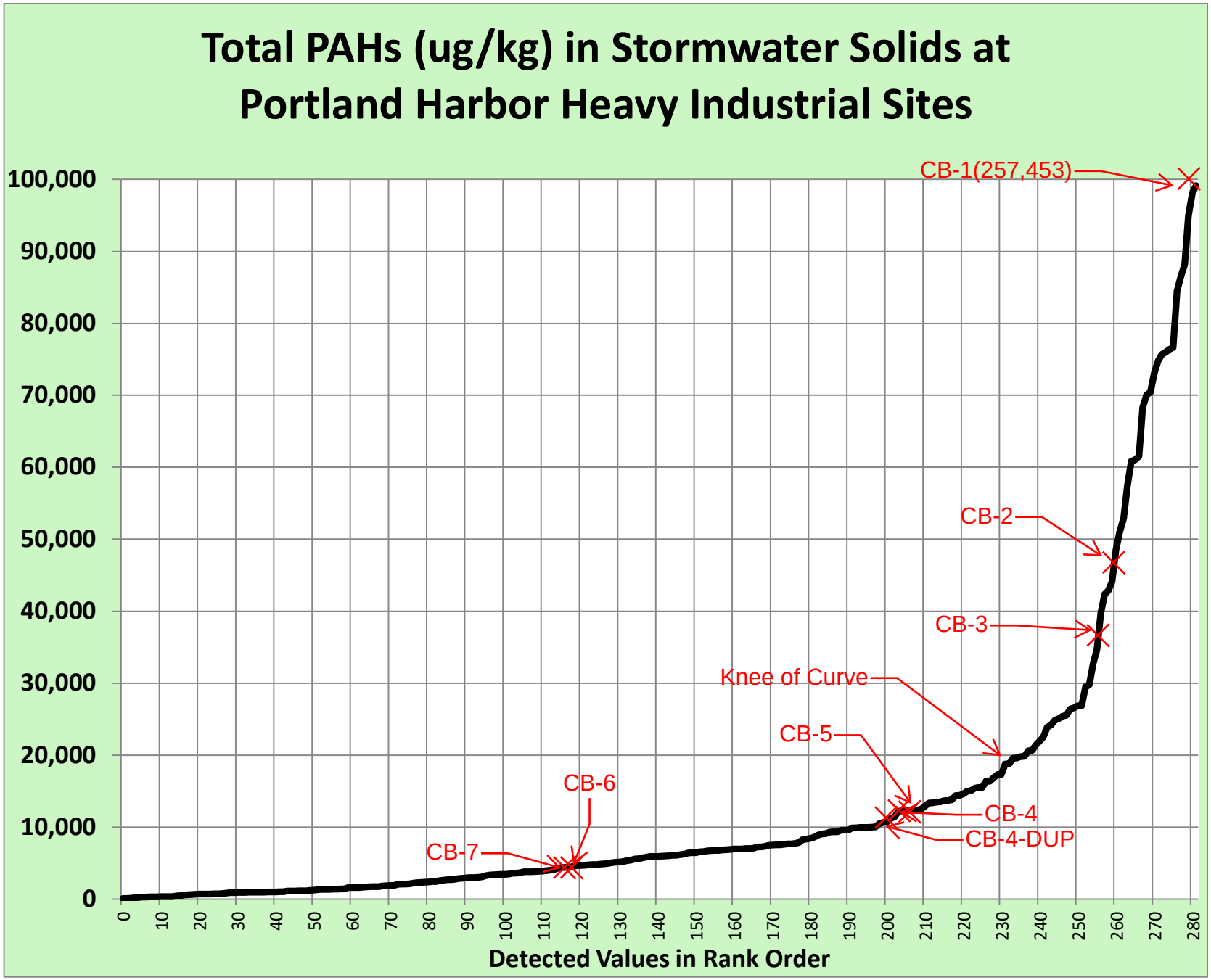

March 28, 2021 Hydrograph, Swan Island Rain Gauge Portland, Oregon
Sample Collected
Inches Rain/Hour
Total Rain (Inches)
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
3/28/21 0:00
3/28/21 4:00
3/28/21 8:00
3/28/21 12:00
3/28/21 16:00
3/28/21 20:00
Date/Time PST
Rain Intensity
Total Rain

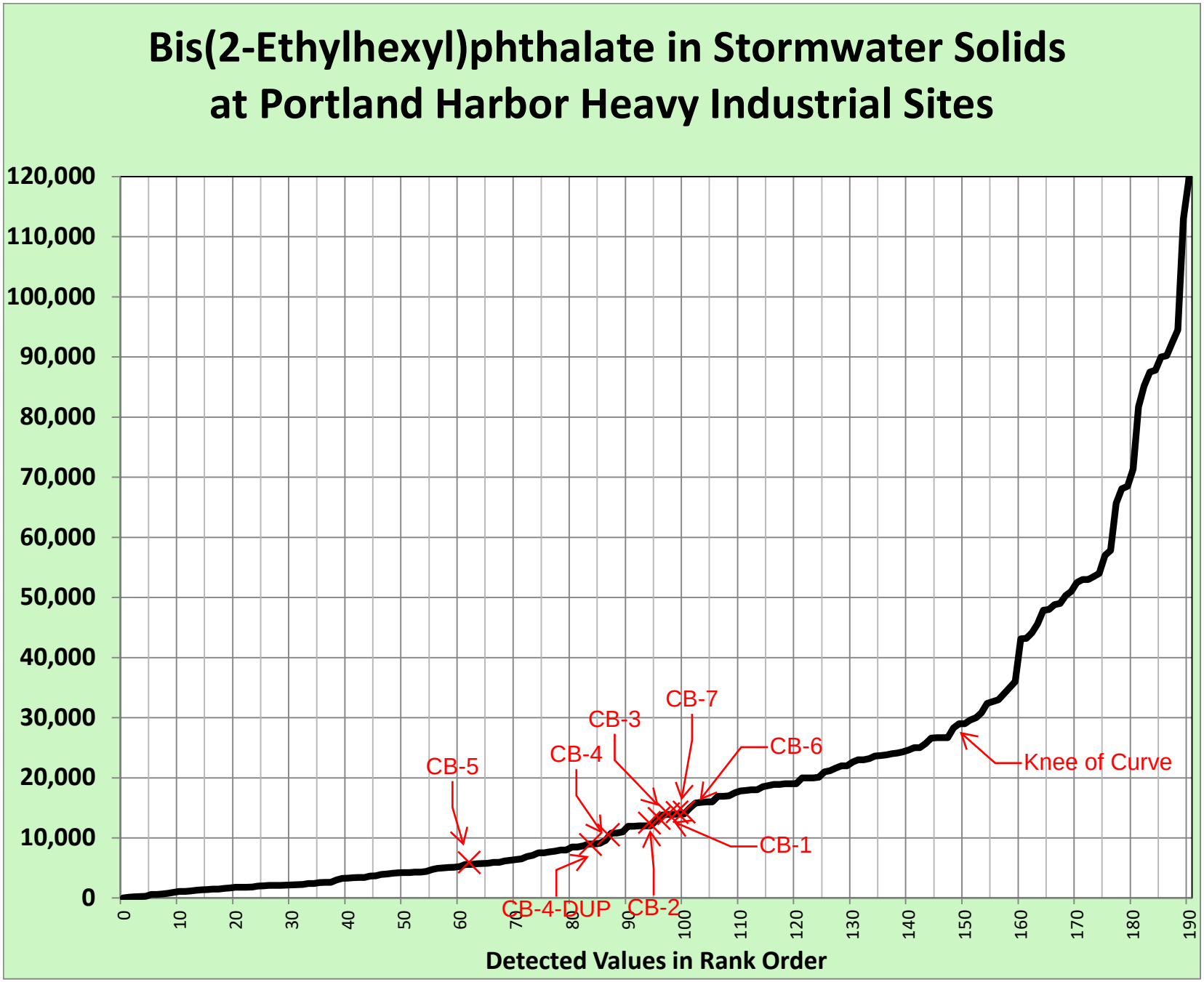

April 24, 2021 Hydrograph, Swan Island Rain Gauge Portland, Oregon
Sample Collected
Inches Rain/Hour
Total Rain (Inches)
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4/24/21 0:00
4/24/21 4:00
4/24/21 8:00
4/24/21 12:00
4/24/21 16:00
4/24/21 20:00
Date/Time PST
Rain Intensity
Total Rain


May 24, 2021 Hydrograph, Swan Island Rain Gauge Portland, Oregon
Sample Collected
Inches Rain/Hour
Total Rain (Inches)
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5/24/21 0:00
5/24/21 4:00
5/24/21 8:00
5/24/21 12:00
5/24/21 16:00
5/24/21 20:00
Date/Time PST
Rain Intensity
Total Rain

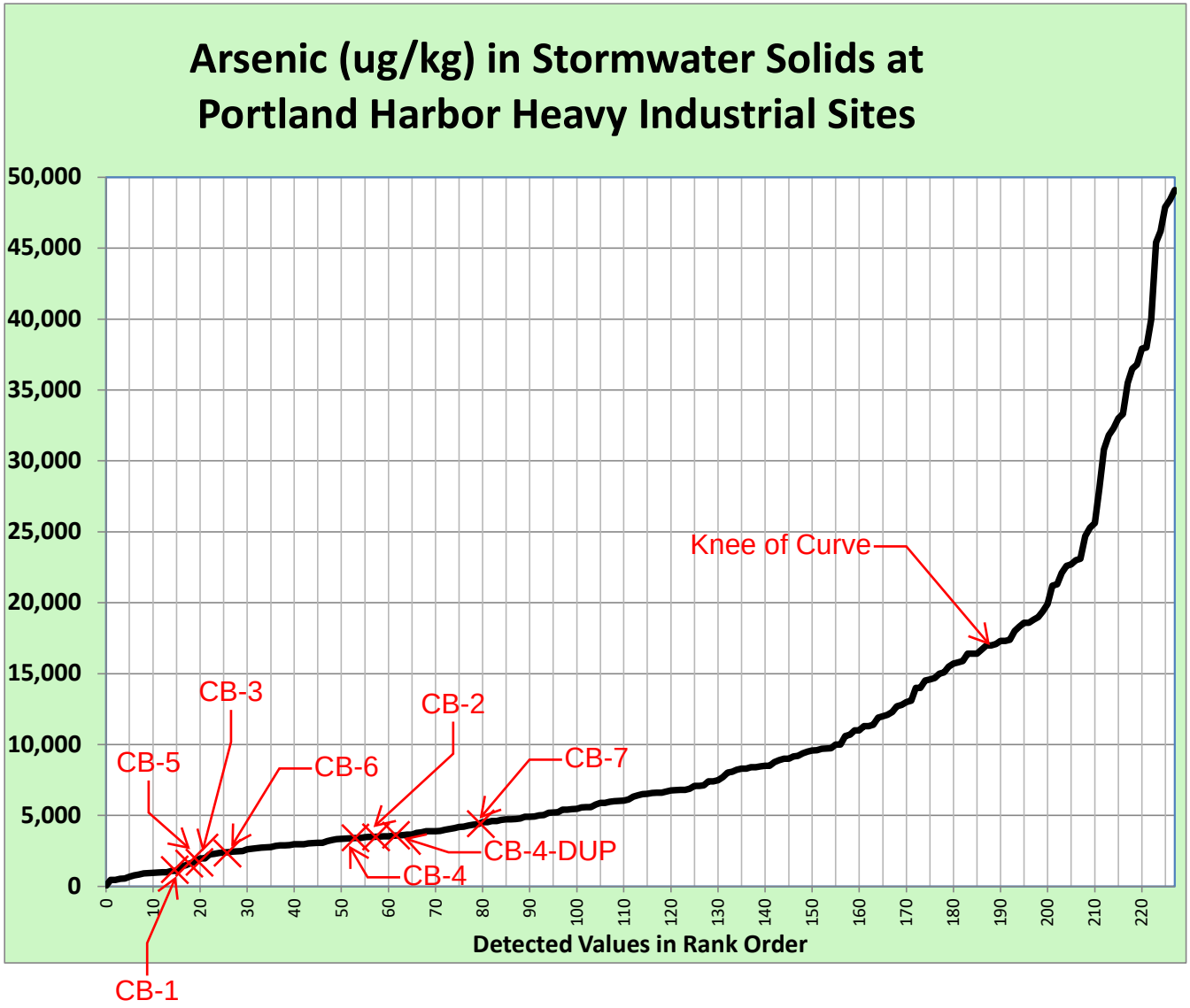
APPENDIX E

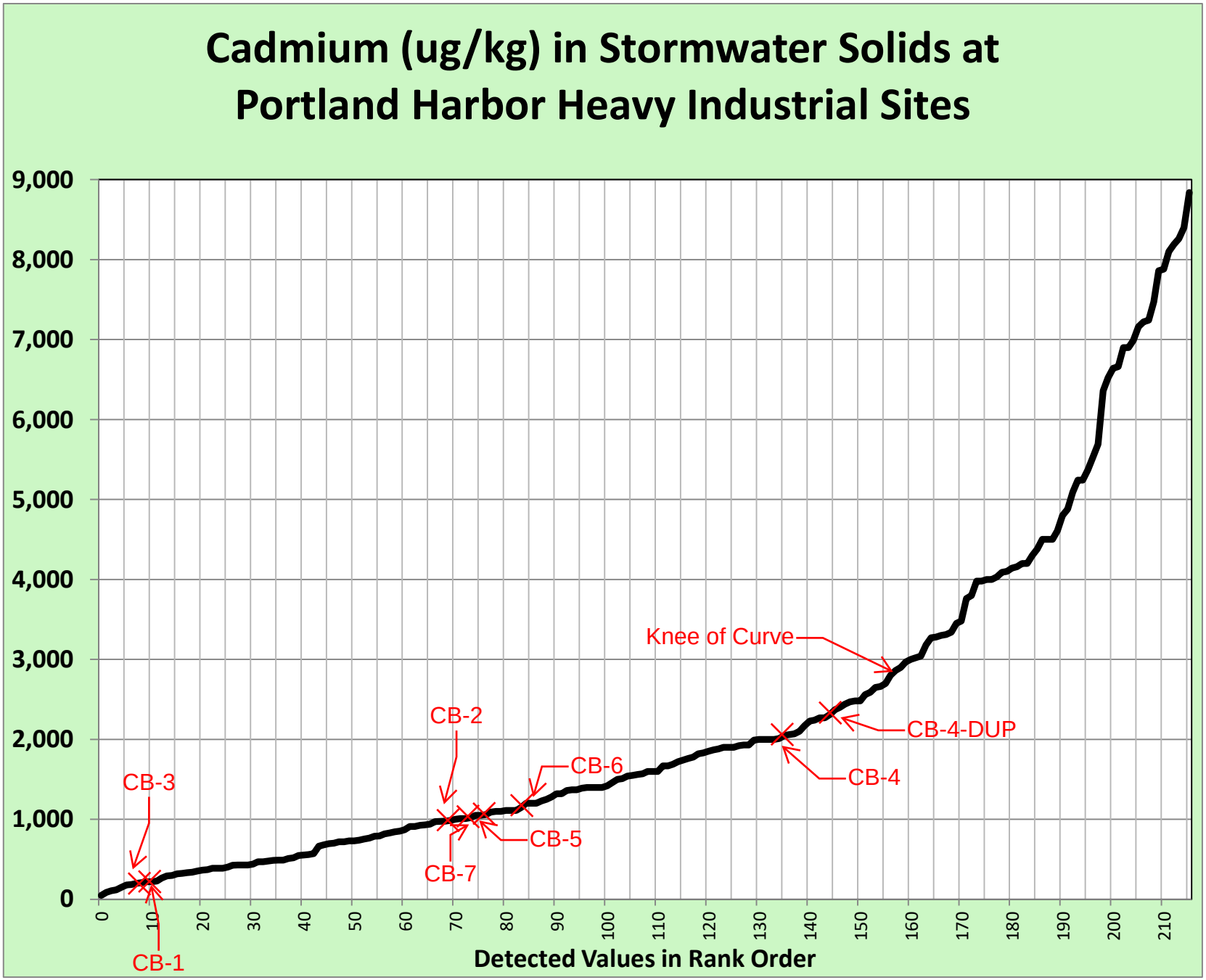

Total PCBs (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
144 ft
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
Detected Values in Rank Order
CB-5 (1,769)
Knee of Curve
CB-4
CB-6
CB-4-DUP
CB-3
CB-1
CB-2
CB-7

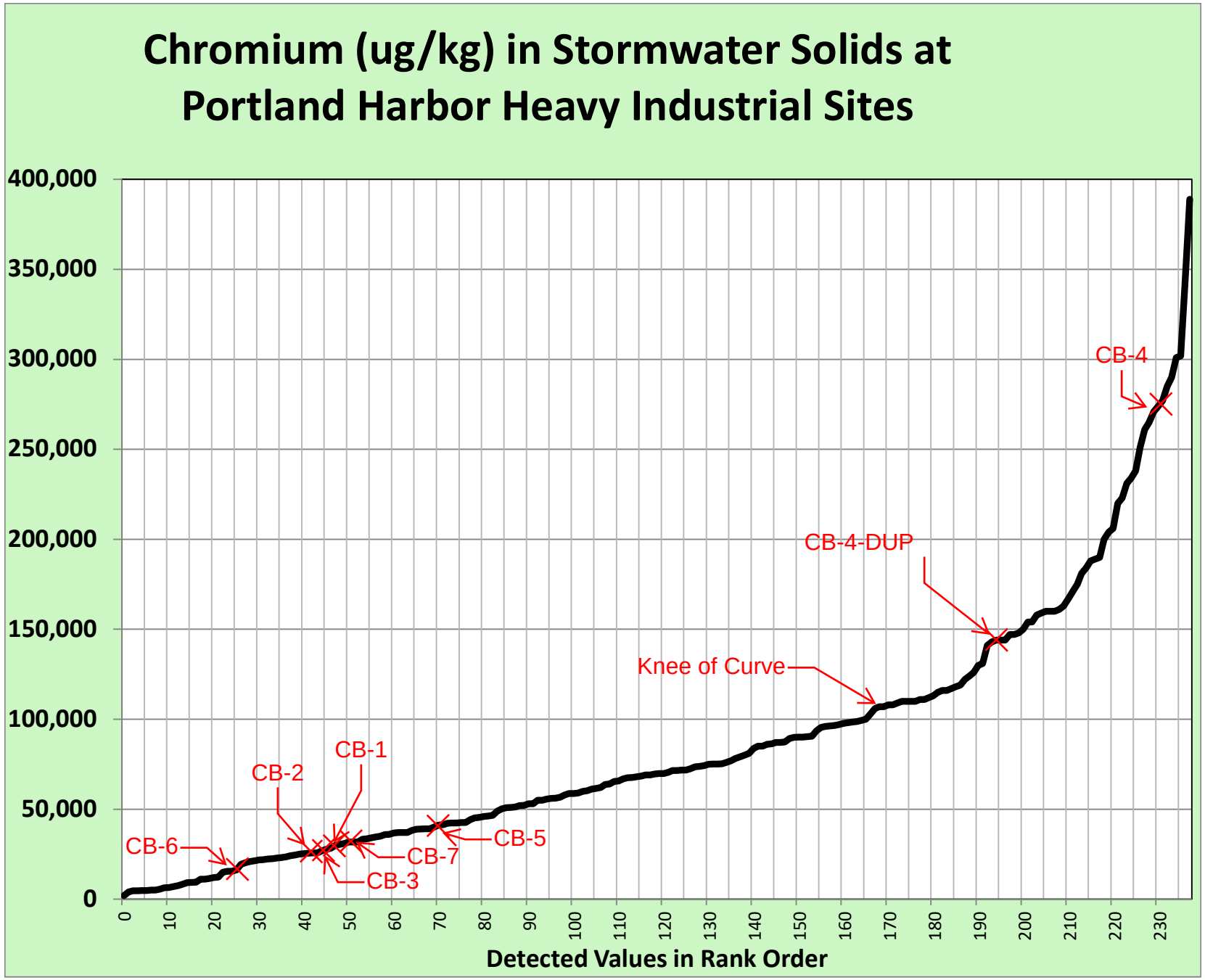

Total PAHs (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
Detected Values in Rank Order
CB-1(257,453)
CB-2
CB-3
Knee of Curve
CB-5
CB-6
CB-7
CB-4
CB-4-DUP


Bis(2-Ethylhexyl)phthalate in Stormwater Solids
at Portland Harbor Heavy Industrial Sites
120,000
110,000
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
Detected Values in Rank Order
CB-5
CB-4
CB-3
CB-7
CB-6
Knee of Curve
CB-1
CB-4-DUP
CB-2

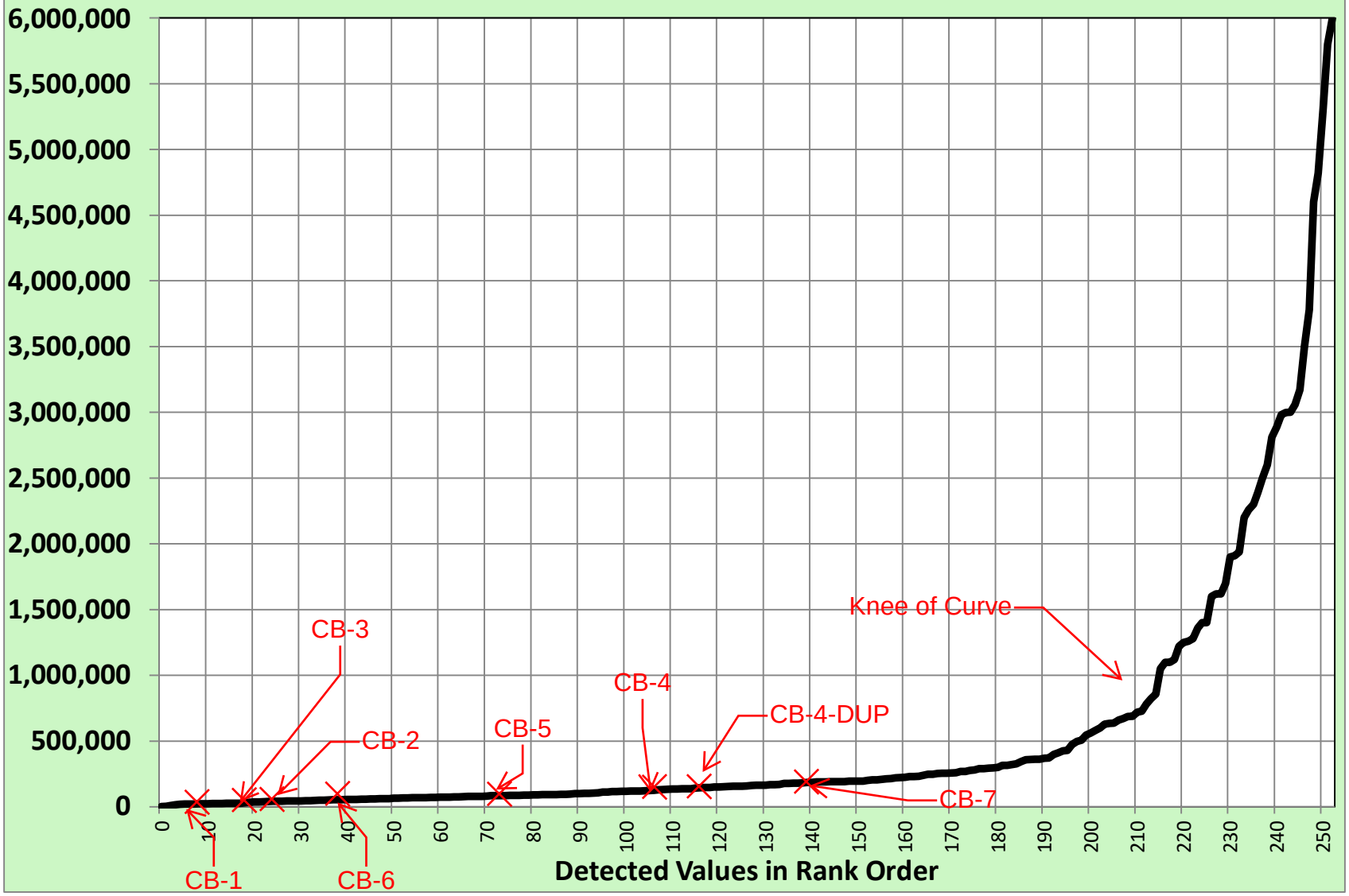
State of Oregon Department of Environmental Quality

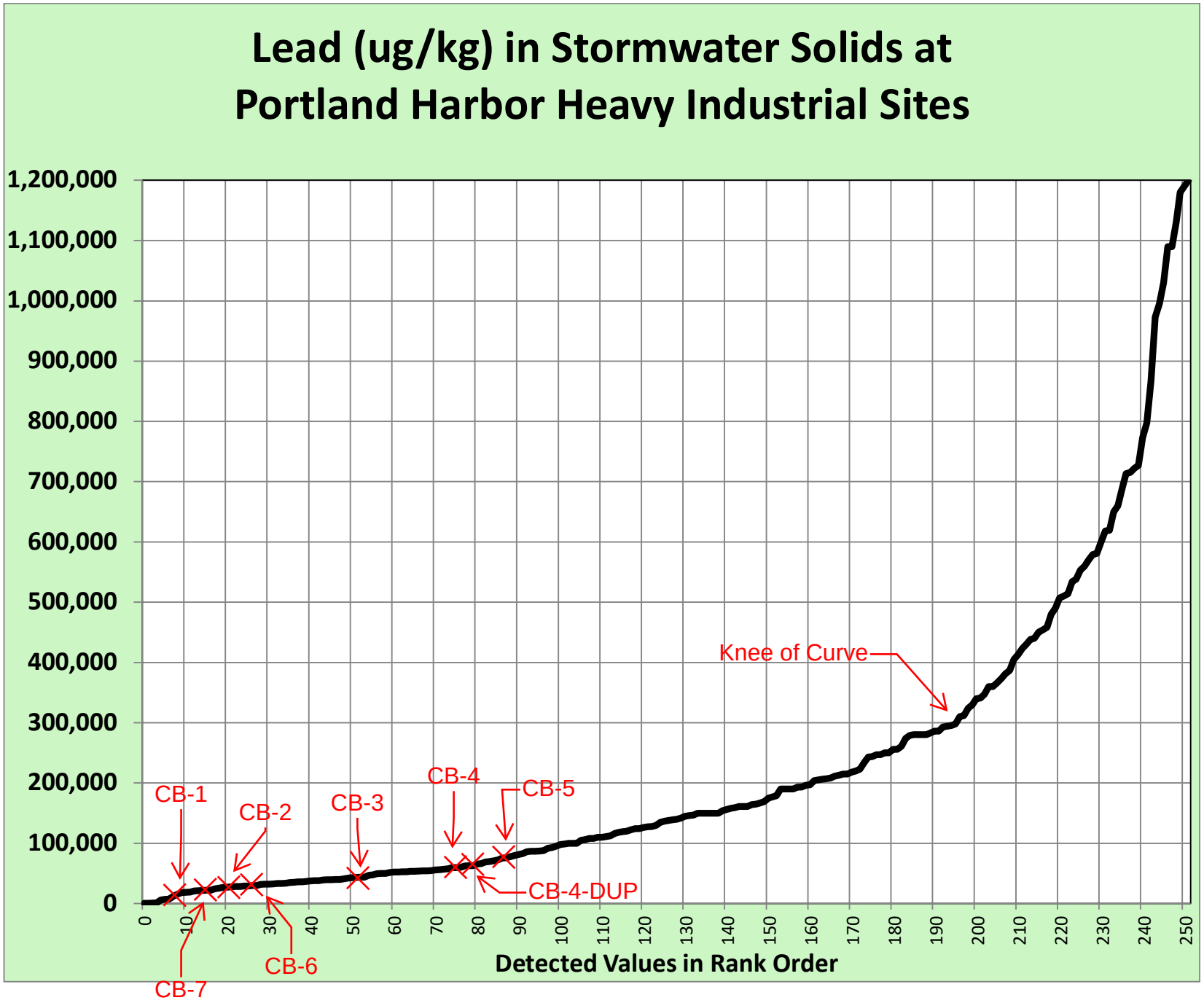


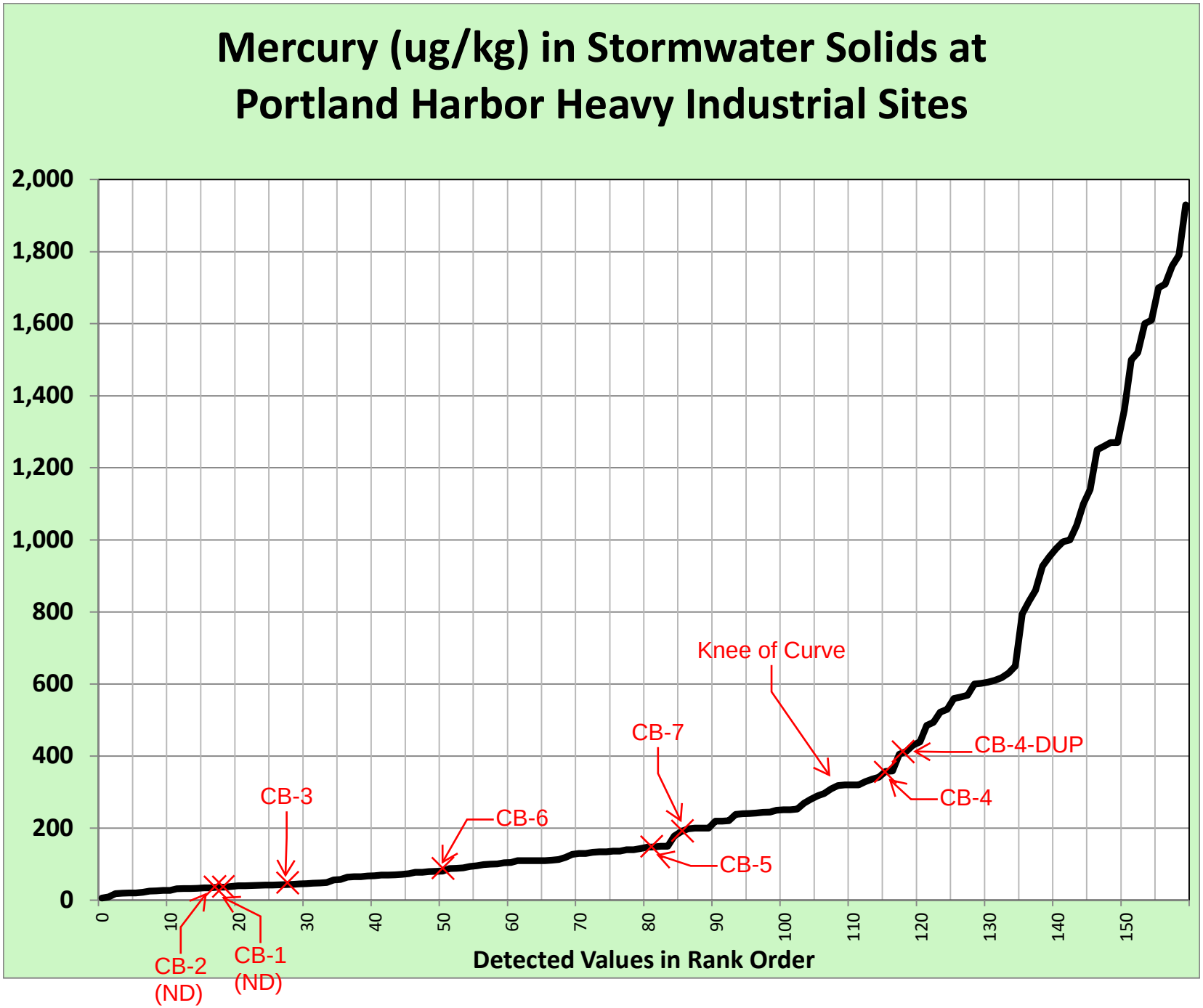

Cadmium (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
Detected Values in Rank Order
Knee of Curve
CB-2
CB-3
CB-6
CB-4-DUP
CB-4
CB-5
CB-7
CB-1


Chromium (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
Detected Values in Rank Order
CB-4
CB-4-DUP
Knee of Curve
CB-1
CB-2
CB-6
CB-5
CB-7
CB-3

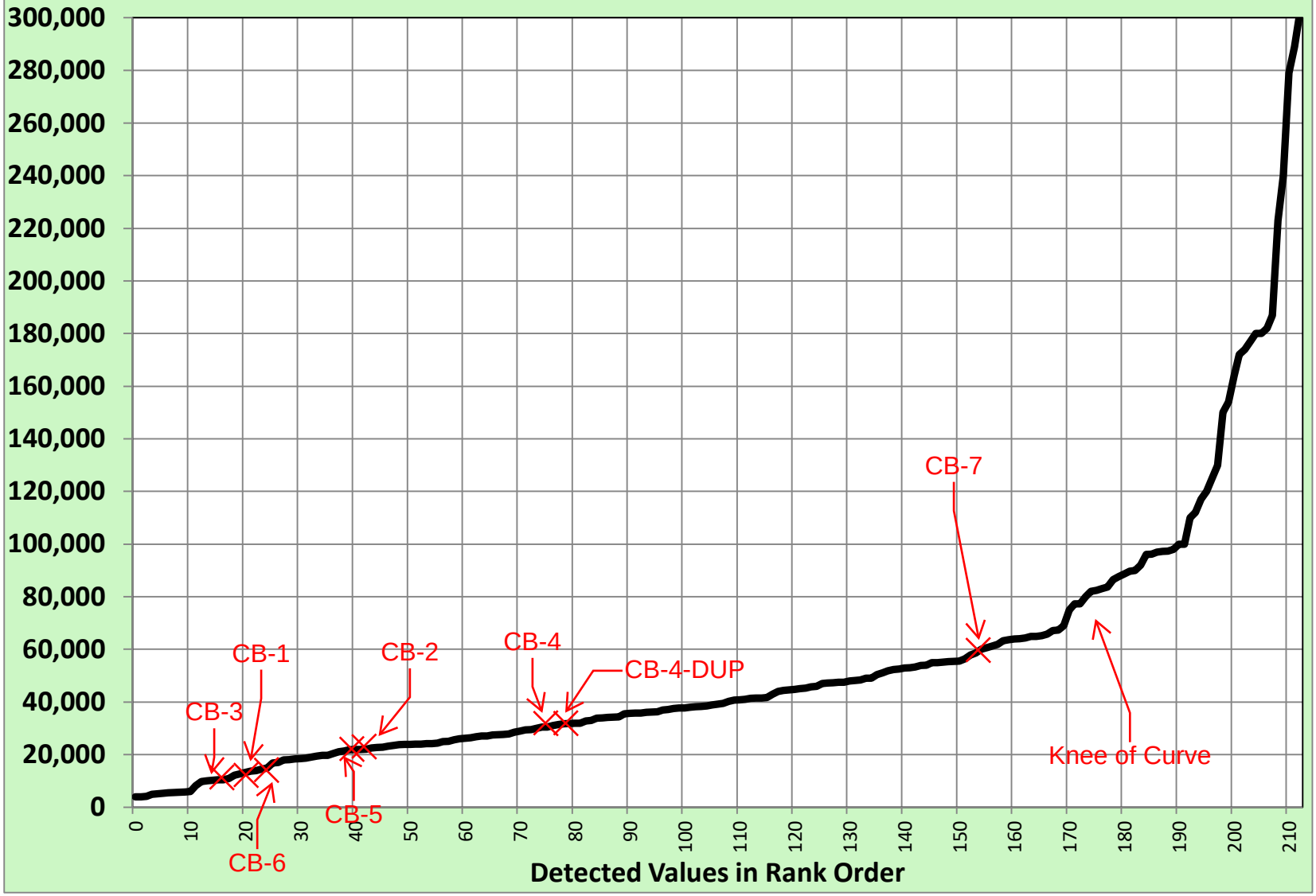
Copper (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites

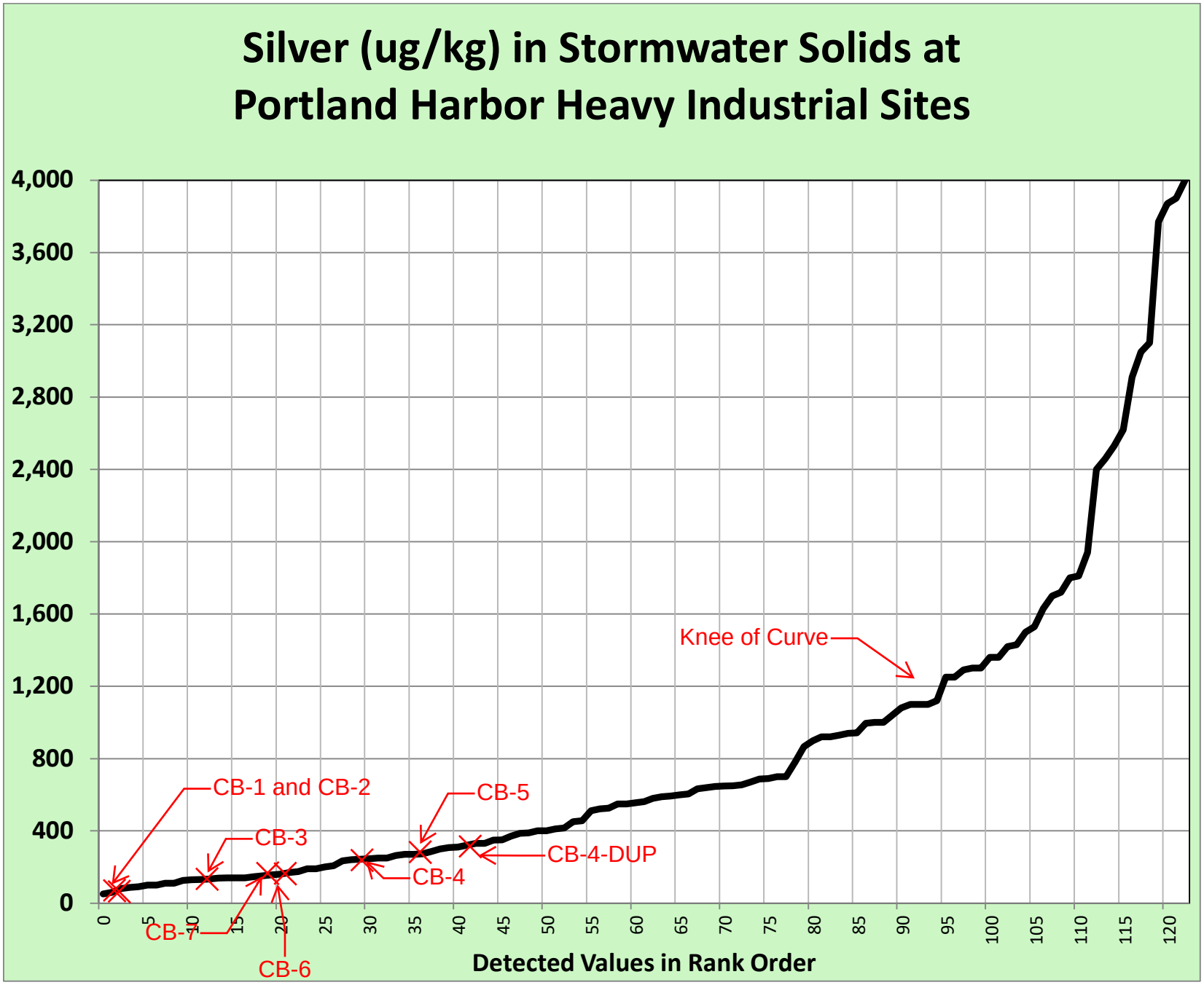


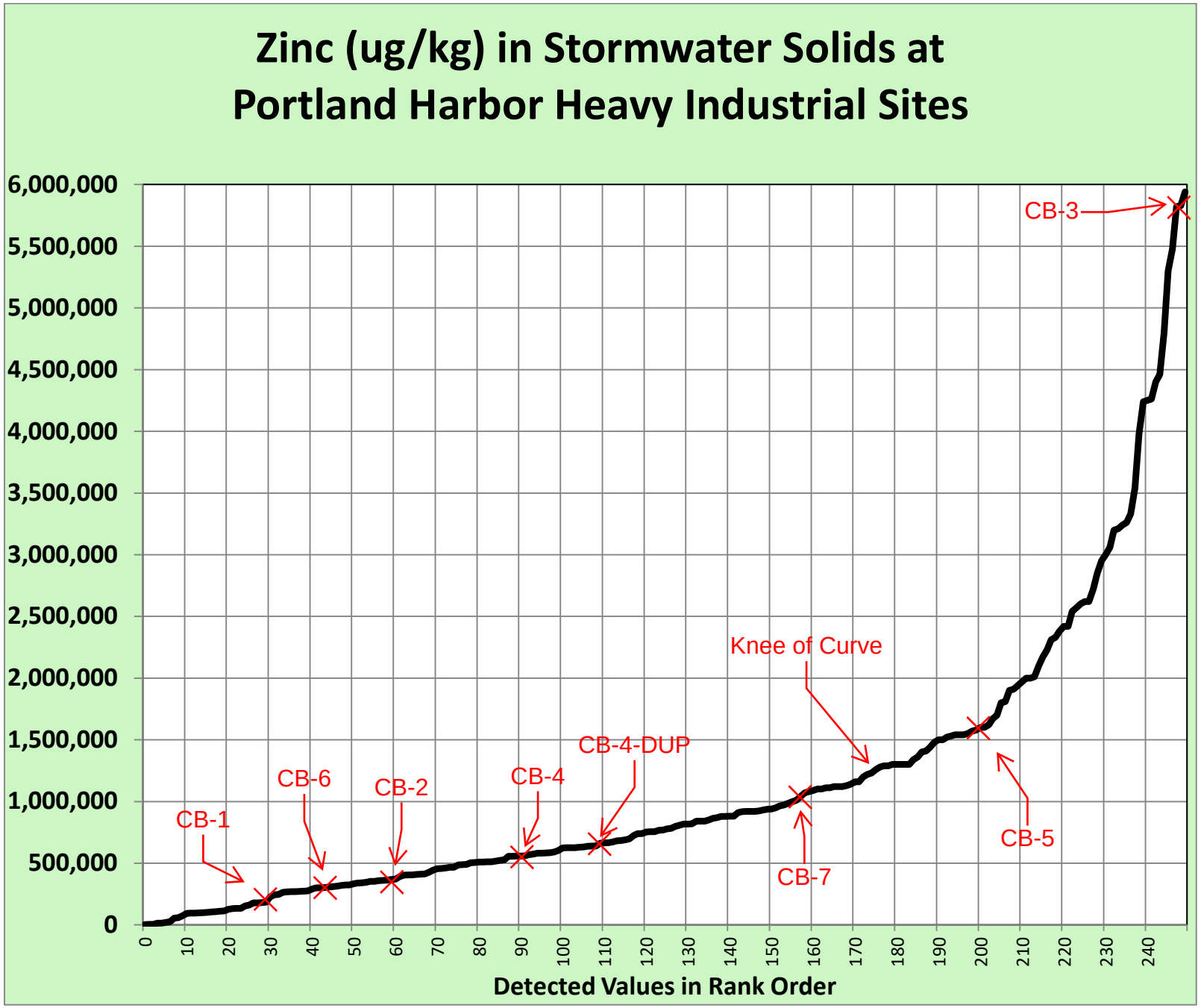

Lead (ug/kg) in Stormwater Solids at
Portland Harbor Heavy Industrial Sites
1,200,000
1,100,000
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
Detected Values in Rank Order
Knee of Curve
CB-1
CB-2
CB-3
CB-4
CB-5
CB-4-DUP
CB-6
CB-7


Mercury (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
Detected Values in Rank Order
Knee of Curve
CB-7
CB-4-DUP
CB-4
CB-3
CB-6
CB-5
CB-2 (ND)
CB-1 (ND)

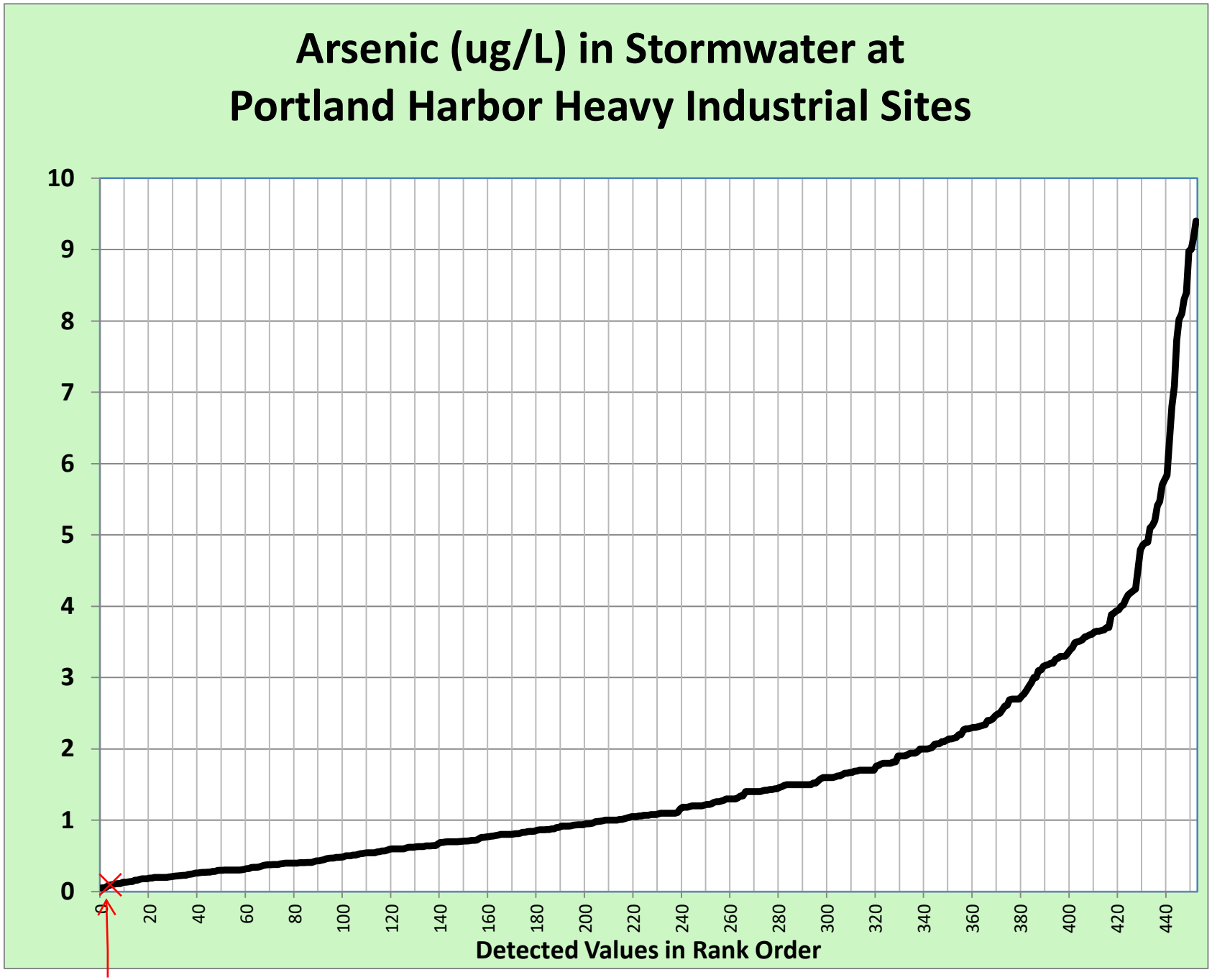
Nickel (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites

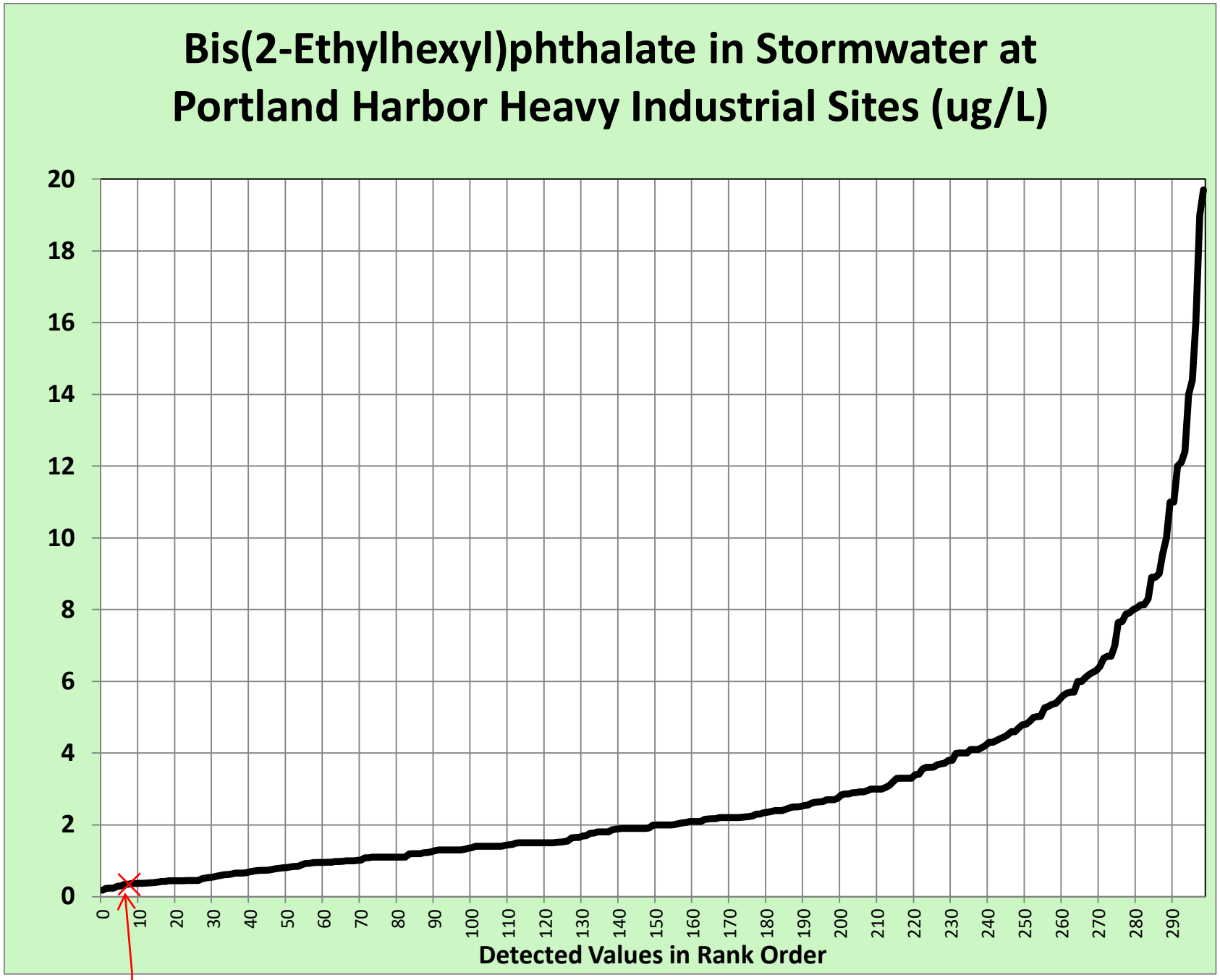


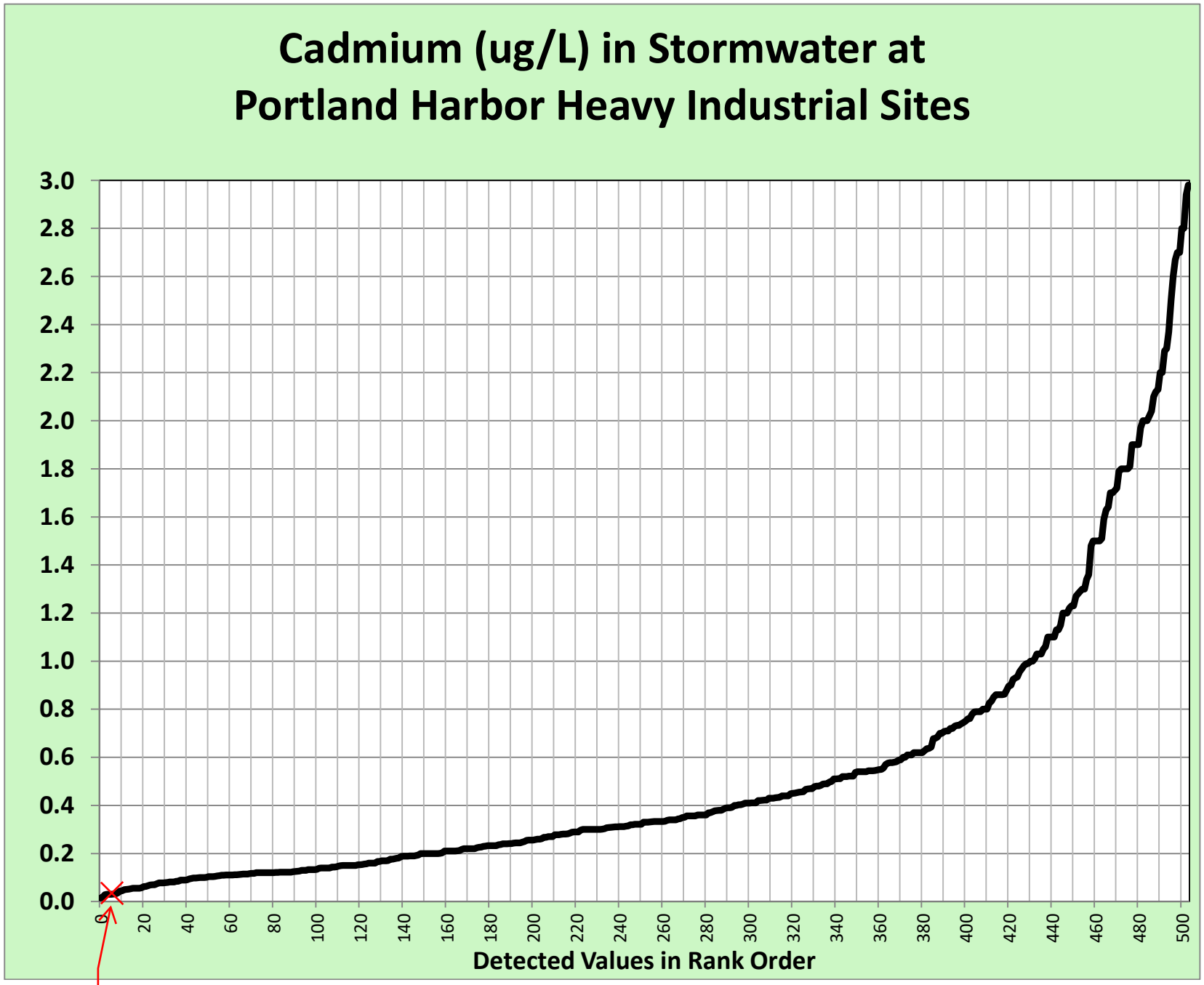

Silver (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
4,000
3,600
3,200
2,800
2,400
2,000
1,600
1,200
800
400
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
Detected Values in Rank Order
Knee of Curve
CB-1 and CB-2
CB-3
CB-7
CB-6
CB-5
CB-4
CB-4-DUP

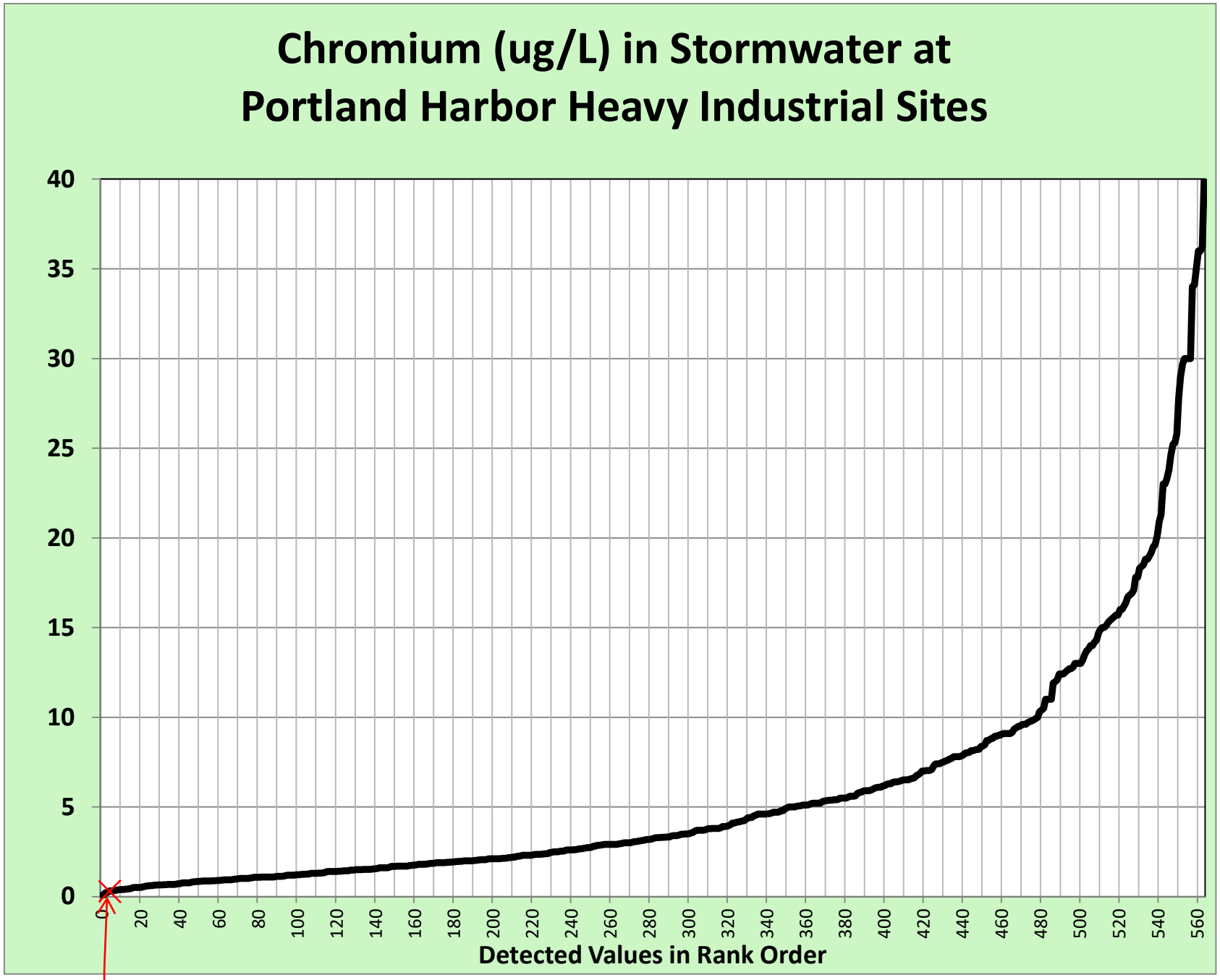

Zinc (ug/kg) in Stormwater Solids at
Portland Harbor Heavy Industrial Sites
6,000,000
5,500,000
5,000,000
4,500,000
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
Detected Values in Rank Order
CB-1
CB-6
CB-2
CB-4
CB-4-DUP
Knee of Curve
CB-7
CB-5
CB-3

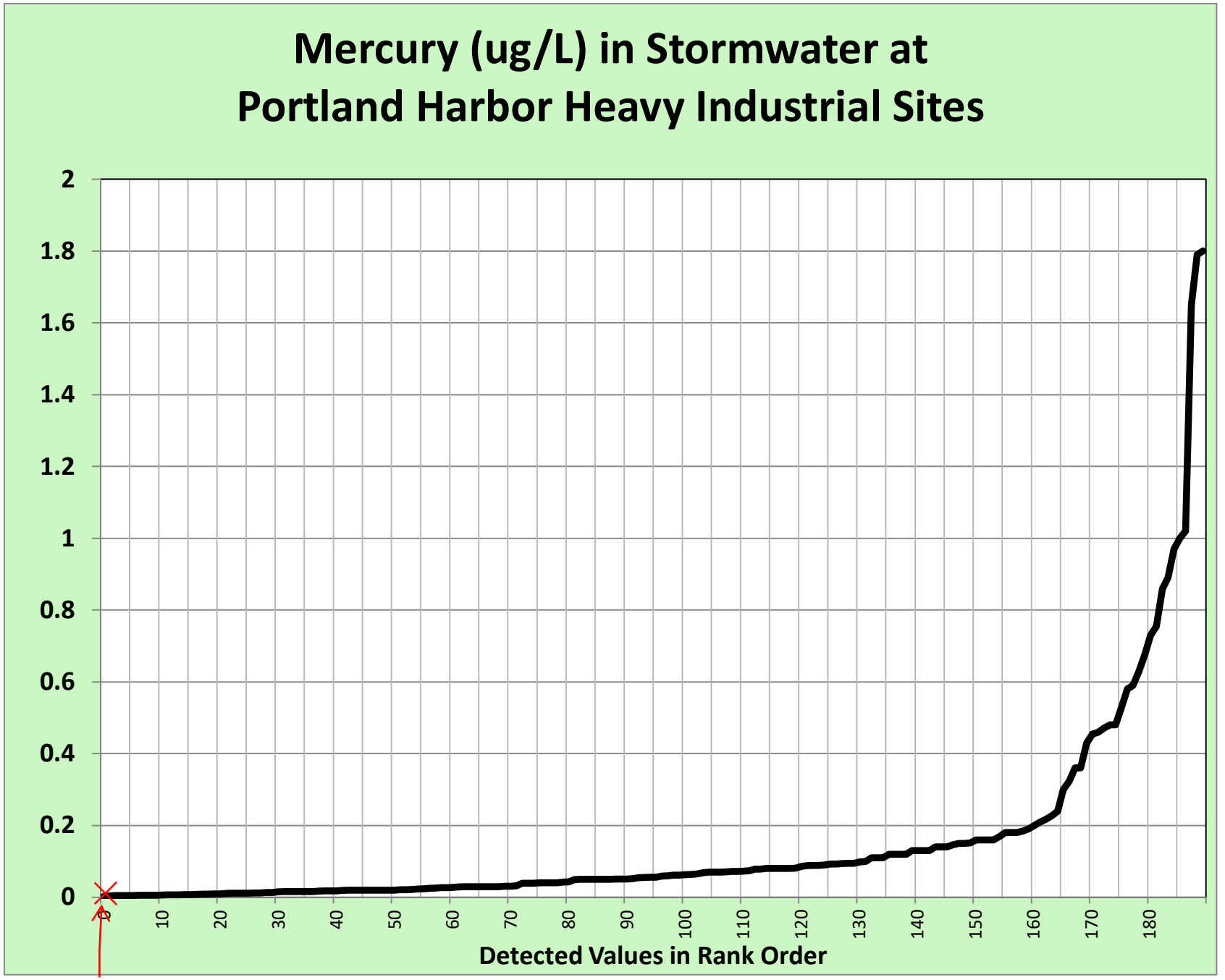
Arsenic (ug/L) in Stormwater at Portland Harbor Heavy Industrial Sites

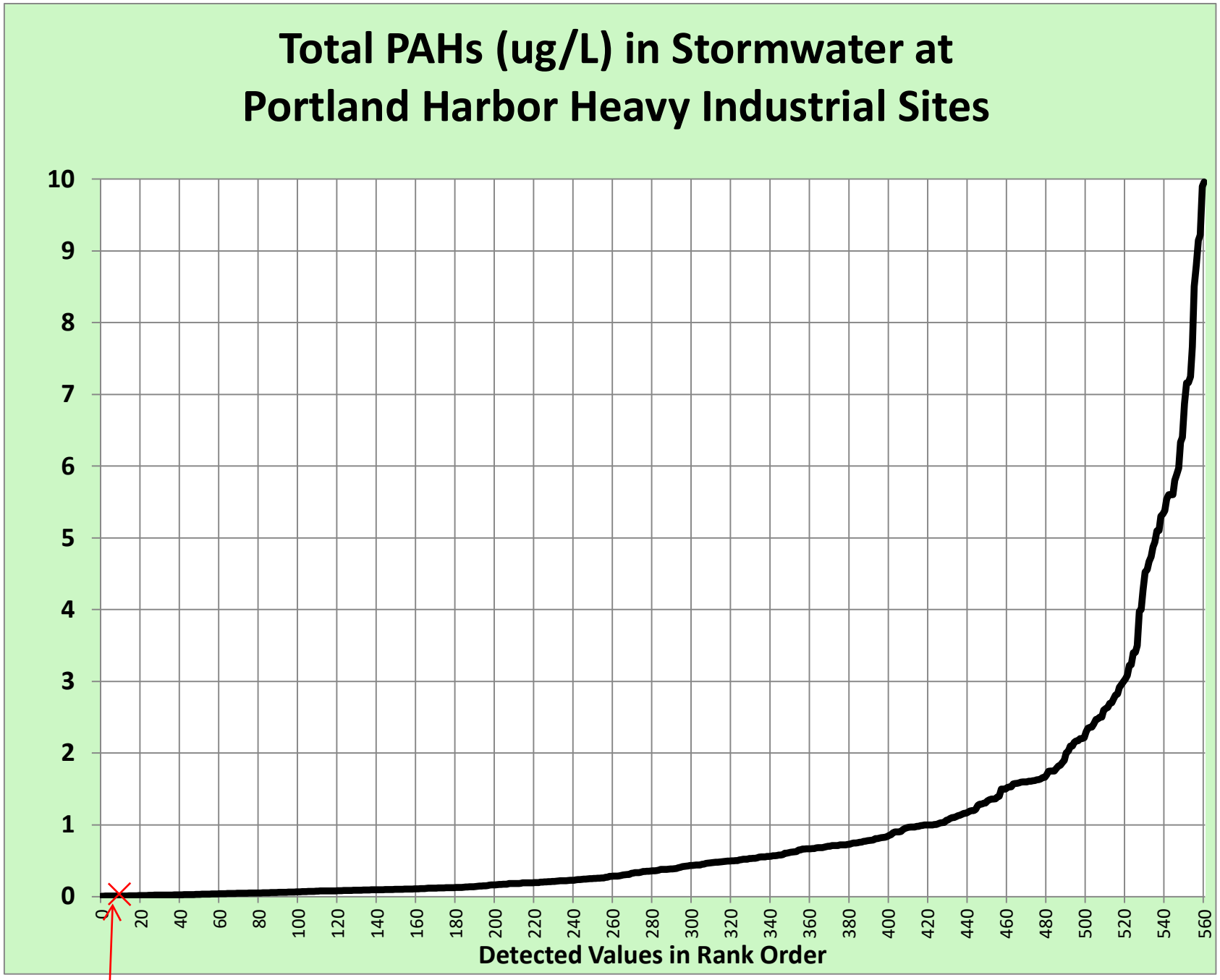


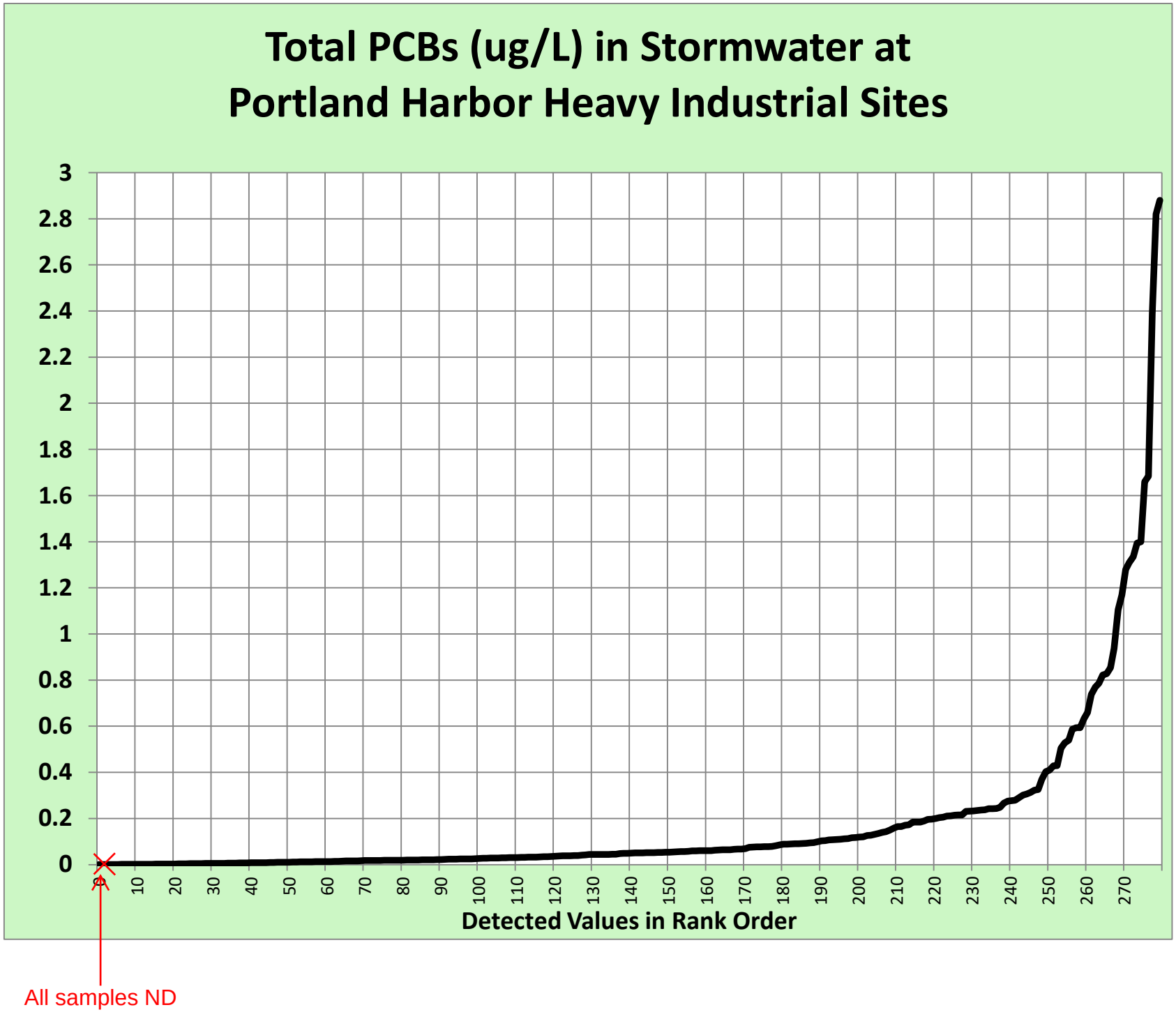

Bis(2-Ethylhexyl)phthalate in Stormwater at Portland Harbor Heavy Industrial Sites (ug/L)
20
18
16
14
12
10
8
6
4
2
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
Detected Values in Rank Order
All samples ND.
Largest detection limit
of 7.77 µg/L

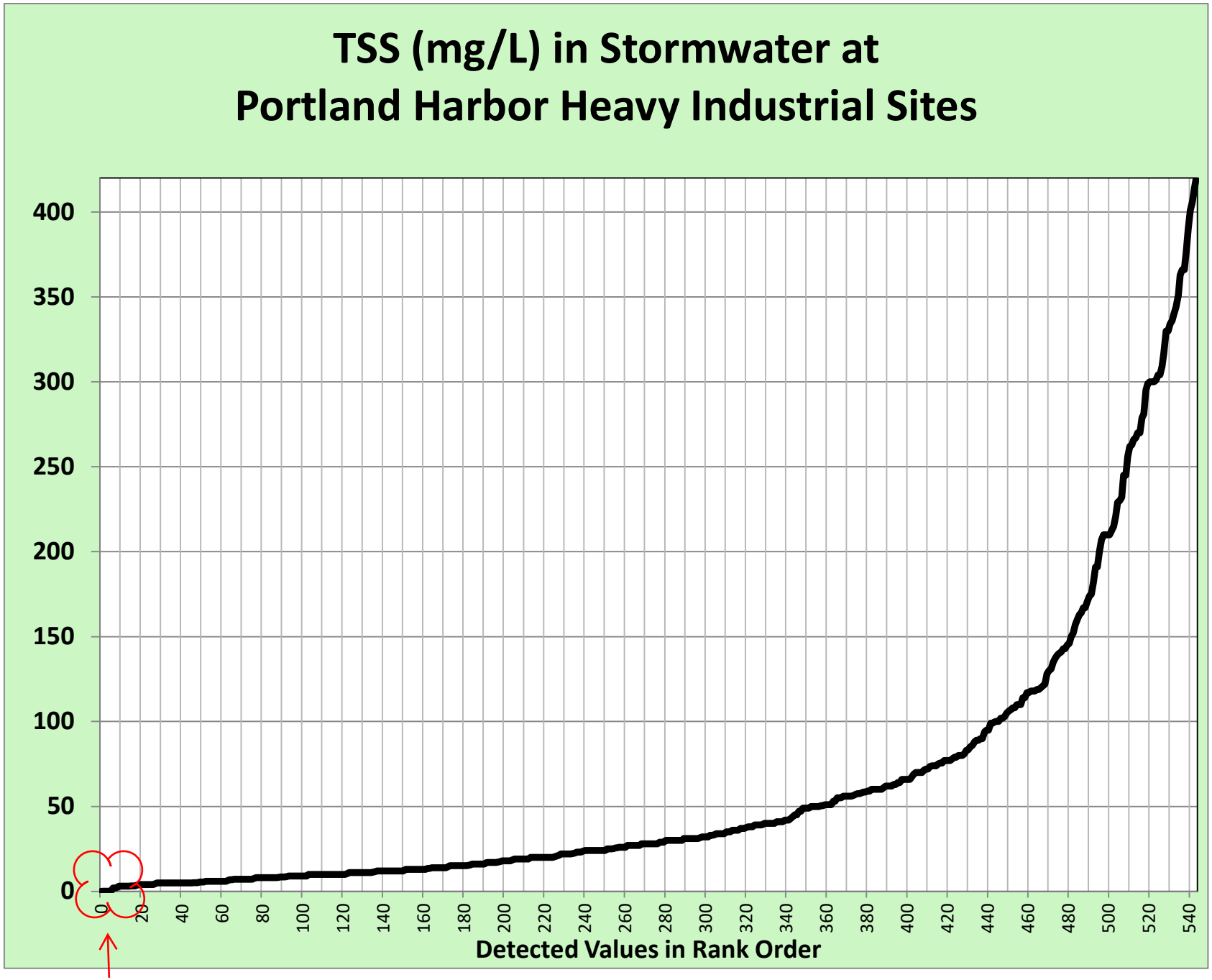

Cadmium (ug/L) in Stormwater at
Portland Harbor Heavy Industrial Sites
3.0
2.8
2.6
2.4
2.2
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
Detected Values in Rank Order
Greatest detection of
0.280 µg/L

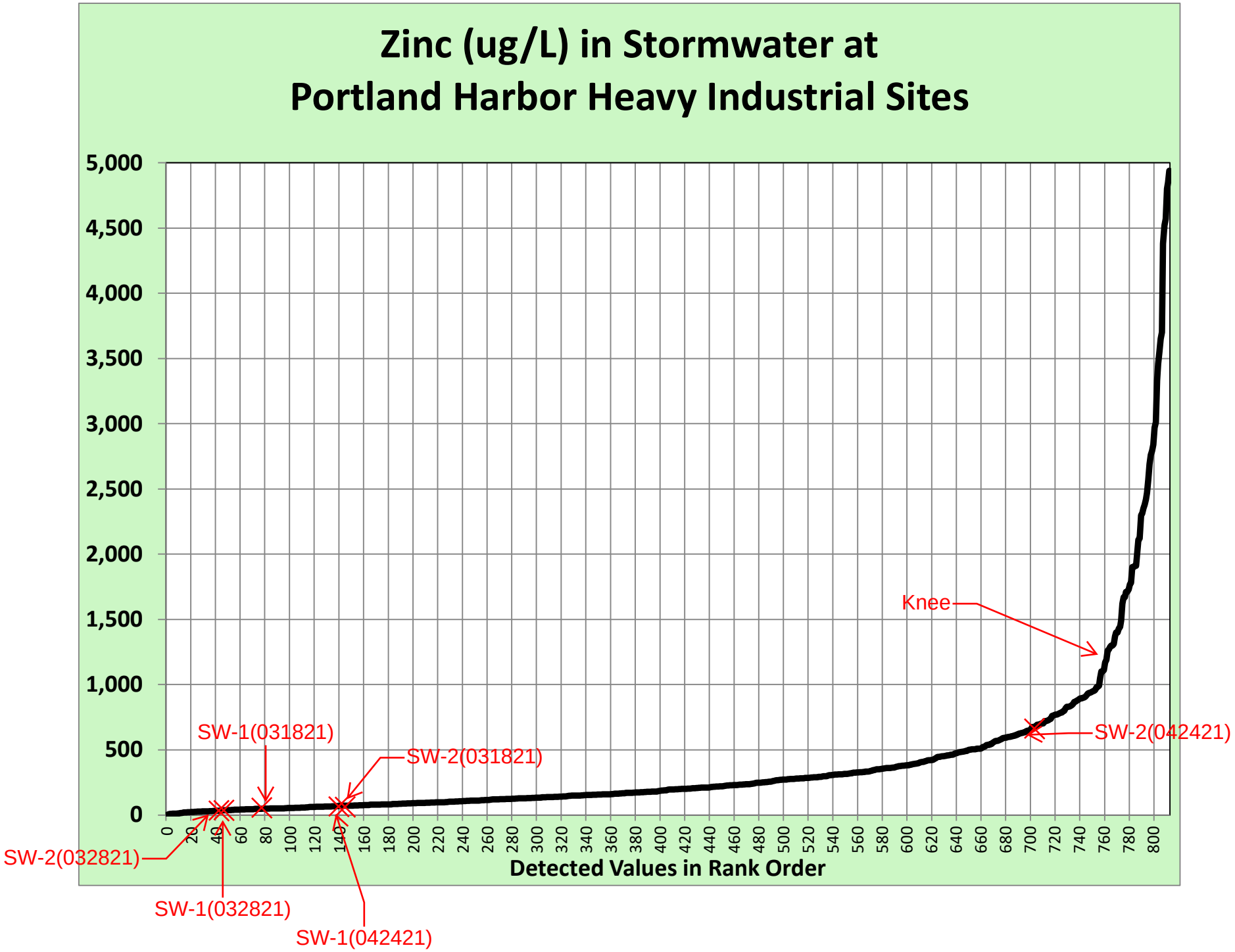

Chromium (ug/L) in Stormwater at
Portland Harbor Heavy Industrial Sites
40
35
30
25
20
15
10
5
0
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
520
540
560
Detected Values in Rank Order
Greatest detection of
5.49 µg/L


Mercury (ug/L) in Stormwater at
Portland Harbor Heavy Industrial Sites
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
Detected Values in Rank Order
All samples ND with a detection limit of 0.0400 µg/L.


Total PAHs (ug/L) in Stormwater at
Portland Harbor Heavy Industrial Sites
10
9
8
7
6
5
4
3
2
1
0
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
520
540
560
Detected Values in Rank Order
Greatest calculated
value of 9.04 µg/L


Total PCBs (ug/L) in Stormwater at
Portland Harbor Heavy Industrial Sites
3
2.8
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
Detected Values in Rank Order
All samples ND


TSS (mg/L) in Stormwater at
Portland Harbor Heavy Industrial Sites
400
350
300
250
200
150
100
50
0
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
520
540
Detected Values in Rank Order
All samples between less than 5 and 13 mg/L.


Zinc (ug/L) in Stormwater at
Portland Harbor Heavy Industrial Sites
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
520
540
560
580
600
620
640
660
680
700
720
740
760
780
800
Detected Values in Rank Order
Knee
SW-1(031821)
SW-2(031821)
SW-2(042421)
SW-2(032821)
SW-1(032821)
SW-1(042421)

APPENDIX F

APPENDIX F

CHEMICAL ANALYTICAL PROGRAM

GENERAL

Chain-of-custody procedures were followed during handling and transport of the sediment samples to the analytical laboratory. The laboratory holds the samples in cold storage pending extraction and/or analysis. The analytical results, analytical methods reference, and laboratory QC records are presented in this appendix. The analytical results also are summarized in the tables of this report.

REVIEW OF ANALYTICAL DATA

The analytical laboratories maintain an internal QA program consisting of a combination of the following:

Blanks: Blanks are laboratory-prepared samples that are free of contaminants. The blanks are carried through the analysis procedure along with the field samples to document that contaminants were not introduced to the samples during sample handling and analysis.

Surrogate Recoveries: Surrogates are organic compounds that are similar in nature to the analytes of concern but are not normally found in nature. The surrogates are added to QC and field samples prior to analysis. The percent recovery of the surrogate is calculated to demonstrate acceptable method performance.

Duplicates: Duplicates are obtained by splitting a sample into two parts. The two separate parts are carried through the analyses. The analytical results are then compared by calculating the RPD between the samples. Analytes with RPDs greater than 50 percent (except chromium) were non-detections and/or analytes qualified by the laboratory as estimates. The RPD for chromium is 61.6 percent. This is slightly greater than the 50 percent threshold for representativeness. However, the RPD for all detected analytes was generally below 50 percent. In our opinion, the samples are considered adequately representative of the environmental conditions at the project site and confirm the laboratory precision.

MS/MSD Recoveries: An MS sample is a sample that has been split into a second portion. The MSD is obtained by further splitting the MS sample. A known concentration of the analyte of interest is added to the MS and MSD samples. The analytical results for both samples are then compared for RPD and percent recovery to demonstrate acceptable method performance.

BS/BSD Recoveries: BS and BSD samples are obtained and analyzed in the same procedure as the MS/MSD samples; however, the laboratory blank sample is used to obtain the BS/BSD samples. The percent recovery and RPD of the known concentration of analyte of interest added to the BS/BSD sample is calculated after chemical analyses to demonstrate acceptable method performance.

Detection Limits: The detection limits that exceed regulatory screening levels do not appear to hinder our ability to adequately characterize sediment at the project site. Laboratory detection limits that exceed regulatory screening levels are summarized in the table below.

Sediment Laboratory Detection Limit Exceedances

Analyte	Sample Name	Detection Limit	Screening Levels	Explanation for Non-Significance
Diesel-range hydrocarbons	CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6	96.1 – 495 mg/kg	91 mg/kg (EPA CUL)	Not detected in any sediment samples.
Tributyltin	CB-3	2.5 µg/kg	2.3 µg/kg (JSCS SLV)	Only detected in one sediment sample. Detection limit similar to screening level.
Acenaphthene	CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	344 – 867 µg/kg	200 µg/kg (JSCS SLV)	Lowest possible detection limits. Similar to screening level.
Acenaphthylene	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	344 – 937 µg/kg	200 µg/kg (JSCS SLV)	
Anthracene	CB-3	867 µg/kg	845 µg/kg (JSCS SLV)	
Benzo(g,h,i)perylene	CB-6, CB-7	344 and 353 µg/kg	300 µg/kg (JSCS SLV)	
Fluorene	CB-1, CB-2, CB-3	828 – 937 µg/kg	536 µg/kg (JSCS SLV)	
Indeno(1,2,3-cd)pyrene	CB-6, CB-7	344 and 353 µg/kg	100 µg/kg (JSCS SLV)	
2-Methylnaphthalene	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	691 – 1,880 µg/kg	200 µg/kg (JSCS SLV)	
Naphthalene (PAH)	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	691 – 1,880 µg/kg	561 µg/kg (JSCS SLV)	

Sediment Laboratory Detection Limit Exceedances (continued)

Analyte	Sample Name	Detection Limit	Screening Levels	Explanation for Non-Significance
BEHP	CB-1, CB-2, CB-3	12,400 – 14,100 µg/kg	135 µg/kg (EPA CUL) 330 µg/kg (JSCS SLV)	Detection limit less than "typical" stormwater at industrial sites.
Di-n-butylphthalate	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	3,440 – 9,370 µg/kg	60 µg/kg (JSCS SLV)	Lowest possible detection limits. Not detected in any sediment samples.
2,3,7,8-TCDD	CB-1, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	3.80 – 12.8 pg/g	0.2 pg/g (EPA CUL) 0.0091 pg/g (JSCS SLV)	Lowest possible detection limits. Dioxins/furans were detected and are considered a primary COPC.
1,2,3,7,8-PeCDD	CB-6, CB-7	7.74 and 12.5 pg/g	0.2 pg/g (EPA CUL) 2.6 pg/g (JSCS SLV)	
2,3,7,8-TCDF	CB-1, CB-2, CB-6, CB-7	4.04 – 11.4 pg/g	0.40658 pg/g (EPA CUL) 0.77 pg/g (JSCS SLV)	
1,2,3,7,8-PeCDF	CB-1, CB-6, CB-7	5.42 – 7.69 pg/g	2.6 pg/g (JSCS SLV)	
2,3,4,7,8-PeCDF	CB-1, CB-6, CB-7	5.26 – 6.63 pg/g	0.3 pg/g (EPA CUL) 0.03 pg/g (JSCS SLV)	
1,2,3,6,7,8-HxCDF	CB-1, CB-6, CB-7	5.57 – 6.47 pg/g	2.7 pg/g (JSCS SLV)	
2,3,4,6,7,8-HxCDF	CB-6, CB-7	5.95 and 6.74 pg/g	2.7 pg/g (EPA CUL)	
1,2,3,7,8,9-HxCDF	CB-1, CB-2, CB-3, CB-6, CB-7	3.49 – 9.38 pg/g	2.7 pg/g (EPA CUL)	

Sediment Laboratory Detection Limit Exceedances (continued)

Analyte	Sample Name	Detection Limit	Screening Levels	Explanation for Non-Significance
4,4'-DDD	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	0.00433 – 0.0479 mg/kg	0.114 mg/kg (EPA CUL) 0.00033 mg/kg (JSCS SLV)	Lowest possible detection limits. Not detected in any sediment samples.
4,4'-DDE	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	0.00433 – 0.0196 mg/kg	0.226 mg/kg (EPA CUL) 0.00033 mg/kg (JSCS SLV)	
4,4'-DDT	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	0.00784 – 0.0500 mg/kg	0.246 mg/kg (EPA CUL) 0.00033 mg/kg (JSCS SLV)	
Aldrin	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	0.00433 – 0.0165 mg/kg	0.002 mg/kg (EPA CUL) 0.04 mg/kg (JSCS SLV)	Lowest possible detection limits. Not detected in any sediment samples.
Chlordane	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	0.130 – 0.496 mg/kg	0.00037 mg/kg (JSCS SLV)	
Dieldrin	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	0.00433 – 0.0196 mg/kg	0.00007 mg/kg (EPA CUL) 0.0000081 (JSCS SLV)	
Gamma-HCH	CB-1, CB-2, CB-3, CB-4, CB-4-DUP, CB-5, CB-6, CB-7	0.00433 – 0.0165 mg/kg	0.005 mg/kg (EPA CUL) 0.00499 mg/kg (JSCS SLV)	
Heptachlor	CB-1	0.0165 mg/kg	0.010 mg/kg (JSCS SLV)	
Heptachlor Epoxide	CB-1, CB-5	0.0165 and 0.0196 mg/kg	0.016 mg/kg (JSCS SLV)	

Stormwater Laboratory Detection Limit Exceedances

Analyte	Sample Name	Detection Limit (µg/L)	Screening Levels (µg/L)	Explanation for Non-Significance
Total PCBs	All	0.06664 – 0.1400	0.0000064 (EPA CUL)	Generally not detected in any samples, lowest possible detection limit
Select VOCs	All	0.0500 – 5.00	0.0095 – 0.92 (JSCS SLVs)	Generally not detected in any samples, lowest possible detection limit
Phthalate Esters	SW-1(042421), SW-1(052421) SW-2(042421), SW-2(052421)	3.77 – 7.77	2.2 – 3 (JSCS SLVs)	Not detected in any samples, lowest possible detection limit
Select PAHs	All	0.0374 – 0.77	0.00012 – 0.0013 (EPA CUL) 0.018 – 0.2 (JSCS SLV)	Generally not detected in any samples, lowest possible detection limit
2,3,7,8-TCDD	All	9.61E-07 – 2.74E-06	5.1E-09 (JSCS SLV)	Not detected in any samples, lowest possible detection limit

SUMMARY OF ANALYTICAL DATA REVIEW

NV5 reviewed the attached analytical data reports for data quality exceptions and deviations from acceptable method performance criteria. Based on our review of the analytical reports, the analytical data appear acceptable for their intended use.

Apex Laboratories, LLC

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

Monday, January 11, 2021

Kyle Haggart
GeoDesign, Inc.
9450 SW Commerce Circle
Wilsonville, OR 97070

RE: A0L0698 - Former Automatic Vending Co. - BCSAmerica-1-02

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 A0L0698, which was received by the laboratory on 12/17/2020 at 3:30:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@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	2.7 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

Philip Nerenberg

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB-1	A0L0698-01	Solid	12/17/20 10:10	12/17/20 15:30
CB-2	A0L0698-02	Solid	12/17/20 08:50	12/17/20 15:30
CB-3	A0L0698-03	Solid	12/17/20 09:15	12/17/20 15:30
CB-4	A0L0698-04	Solid	12/17/20 11:00	12/17/20 15:30
CB-4_DUP	A0L0698-05	Solid	12/17/20 11:05	12/17/20 15:30
CB-5	A0L0698-06	Solid	12/17/20 11:35	12/17/20 15:30
CB-6	A0L0698-07	Solid	12/17/20 13:10	12/17/20 15:30
CB-7	A0L0698-08	Solid	12/17/20 12:30	12/17/20 15:30
TB(121720)	A0L0698-09	Water	12/17/20 13:30	12/17/20 15:30

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01RE2)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	49.9	99.7	mg/kg	5	12/23/20 12:50	NWTPH-Dx	
Oil	**1960**	99.7	199	mg/kg	5	12/23/20 12:50	NWTPH-Dx	**F-03**
Surrogate: o-Terphenyl (Surr)		*Recovery: 89 %*		*Limits: 50-150 %*	*5*	*12/23/20 12:50*	*NWTPH-Dx*	*S-05*
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	97.8	196	mg/kg	10	12/23/20 20:48	NWTPH-Dx	
Oil	**3120**	196	391	mg/kg	10	12/23/20 20:48	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 90 %*		*Limits: 50-150 %*	*10*	*12/23/20 20:48*	*NWTPH-Dx*	*S-05*
CB-3 (A0L0698-03RE1)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	96.1	192	mg/kg	10	12/23/20 21:08	NWTPH-Dx	
Oil	**3200**	192	384	mg/kg	10	12/23/20 21:08	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*10*	*12/23/20 21:08*	*NWTPH-Dx*	*S-05*
CB-4 (A0L0698-04RE1)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	96.2	192	mg/kg	10	12/23/20 21:49	NWTPH-Dx	
Oil	**3170**	192	385	mg/kg	10	12/23/20 21:49	NWTPH-Dx	**F-03**
Surrogate: o-Terphenyl (Surr)		*Recovery: 59 %*		*Limits: 50-150 %*	*10*	*12/23/20 21:49*	*NWTPH-Dx*	*S-05*
CB-4_DUP (A0L0698-05RE1)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	495	990	mg/kg	50	12/23/20 22:09	NWTPH-Dx	
Oil	**4780**	990	1980	mg/kg	50	12/23/20 22:09	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: %*		*Limits: 50-150 %*	*50*	*12/23/20 22:09*	*NWTPH-Dx*	*S-01*
CB-5 (A0L0698-06RE1)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	97.6	195	mg/kg	10	12/23/20 22:49	NWTPH-Dx	
Oil	**3450**	195	390	mg/kg	10	12/23/20 22:49	NWTPH-Dx	**F-03**
Surrogate: o-Terphenyl (Surr)		*Recovery: 79 %*		*Limits: 50-150 %*	*10*	*12/23/20 22:49*	*NWTPH-Dx*	*S-05*
CB-6 (A0L0698-07RE1)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	97.3	195	mg/kg	10	12/23/20 13:30	NWTPH-Dx	
Oil	**2480**	195	389	mg/kg	10	12/23/20 13:30	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 70 %*		*Limits: 50-150 %*	*10*	*12/23/20 13:30*	*NWTPH-Dx*	*S-05*

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-7 (A0L0698-08RE1)				**Matrix: Solid**		**Batch: 0120816**		
Diesel	ND	49.6	99.2	mg/kg	5	12/23/20 23:09	NWTPH-Dx	
Oil	**2590**	99.2	198	mg/kg	5	12/23/20 23:09	NWTPH-Dx	**F-03**
Surrogate: o-Terphenyl (Surr)		*Recovery: 79 %*		*Limits: 50-150 %*	*5*	*12/23/20 23:09*	*NWTPH-Dx*	*S-05*

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120869**		
Gasoline Range Organics	**33.2**	14.4	28.7	mg/kg dry	50	12/23/20 18:31	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*12/23/20 18:31*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*93 %*	*50-150 %*		*1*	*12/23/20 18:31*	*NWTPH-Gx (MS)*	
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0120899**		
Gasoline Range Organics	**10.1**	7.06	14.1	mg/kg dry	50	12/28/20 13:27	NWTPH-Gx (MS)	**J**
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*1*	*12/28/20 13:27*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*89 %*	*50-150 %*		*1*	*12/28/20 13:27*	*NWTPH-Gx (MS)*	
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120869**		
Gasoline Range Organics	ND	5.60	11.2	mg/kg dry	50	12/23/20 19:26	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*1*	*12/23/20 19:26*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*92 %*	*50-150 %*		*1*	*12/23/20 19:26*	*NWTPH-Gx (MS)*	
CB-4 (A0L0698-04)				**Matrix: Solid**		**Batch: 0120869**		
Gasoline Range Organics	ND	14.2	28.3	mg/kg dry	50	12/23/20 19:53	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*	*Limits: 50-150 %*		*1*	*12/23/20 19:53*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*93 %*	*50-150 %*		*1*	*12/23/20 19:53*	*NWTPH-Gx (MS)*	
CB-4_DUP (A0L0698-05)				**Matrix: Solid**		**Batch: 0120869**		
Gasoline Range Organics	ND	13.3	26.6	mg/kg dry	50	12/23/20 20:20	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*	*Limits: 50-150 %*		*1*	*12/23/20 20:20*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*94 %*	*50-150 %*		*1*	*12/23/20 20:20*	*NWTPH-Gx (MS)*	
CB-5 (A0L0698-06)				**Matrix: Solid**		**Batch: 0120837**		
Gasoline Range Organics	ND	11.6	23.1	mg/kg dry	50	12/23/20 10:54	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 92 %*	*Limits: 50-150 %*		*1*	*12/23/20 10:54*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*88 %*	*50-150 %*		*1*	*12/23/20 10:54*	*NWTPH-Gx (MS)*	
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120837**		
Gasoline Range Organics	**31.1**	14.3	28.6	mg/kg dry	50	12/23/20 11:22	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*1*	*12/23/20 11:22*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*88 %*	*50-150 %*		*1*	*12/23/20 11:22*	*NWTPH-Gx (MS)*	
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120837**		

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120837**		
Gasoline Range Organics	ND	8.39	16.8	mg/kg dry	50	12/23/20 02:45	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*103 %*	*Limits: 50-150 %*	*1*	*12/23/20 02:45*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*96 %*	*50-150 %*	*1*	*12/23/20 02:45*	*NWTPH-Gx (MS)*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120869**		
Acetone	ND	2.87	5.74	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Acrylonitrile	ND	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Benzene	ND	0.0287	0.0574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Bromobenzene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Bromochloromethane	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Bromodichloromethane	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Bromoform	ND	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Bromomethane	ND	2.87	2.87	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
2-Butanone (MEK)	ND	1.44	2.87	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
n-Butylbenzene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
sec-Butylbenzene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
tert-Butylbenzene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Carbon disulfide	ND	1.44	2.87	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Carbon tetrachloride	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Chlorobenzene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Chloroethane	ND	2.87	2.87	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Chloroform	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Chloromethane	ND	0.718	1.44	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
2-Chlorotoluene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
4-Chlorotoluene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Dibromochloromethane	ND	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	0.718	1.44	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Dibromomethane	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,3-Dichlorobenzene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Dichlorodifluoromethane	ND	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,1-Dichloroethane	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,1-Dichloroethene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120869**		
1,2-Dichloropropane	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,3-Dichloropropane	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
2,2-Dichloropropane	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,1-Dichloropropene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
cis-1,3-Dichloropropene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Ethylbenzene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Hexachlorobutadiene	ND	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
2-Hexanone	ND	1.44	2.87	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Isopropylbenzene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
4-Isopropyltoluene	**0.448**	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Methylene chloride	ND	1.44	2.87	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	1.44	2.87	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Naphthalene	**0.336**	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	**J**
n-Propylbenzene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Styrene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Toluene	**0.207**	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	**J**
1,2,3-Trichlorobenzene	ND	0.718	1.44	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.718	1.44	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Trichloroethene (TCE)	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Trichlorofluoromethane	ND	0.287	0.574	mg/kg dry	50	12/23/20 18:31	5035A/8260D	Q-30
1,2,3-Trichloropropane	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,2,4-Trimethylbenzene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
1,3,5-Trimethylbenzene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
Vinyl chloride	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
m,p-Xylene	ND	0.144	0.287	mg/kg dry	50	12/23/20 18:31	5035A/8260D	
o-Xylene	ND	0.0718	0.144	mg/kg dry	50	12/23/20 18:31	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120869**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*12/23/20 18:31*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/23/20 18:31*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*106 %*	*79-120 %*	*1*	*12/23/20 18:31*	*5035A/8260D*	
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0120899**		
Acetone	ND	1.41	2.82	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Acrylonitrile	ND	0.141	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Benzene	ND	0.0141	0.0282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Bromobenzene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Bromochloromethane	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Bromodichloromethane	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Bromoform	ND	0.141	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Bromomethane	ND	1.41	1.41	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
2-Butanone (MEK)	ND	0.706	1.41	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
n-Butylbenzene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
sec-Butylbenzene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
tert-Butylbenzene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Carbon disulfide	ND	0.706	1.41	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Carbon tetrachloride	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Chlorobenzene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Chloroethane	ND	1.41	1.41	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Chloroform	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Chloromethane	ND	0.706	0.706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
2-Chlorotoluene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
4-Chlorotoluene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Dibromochloromethane	ND	0.141	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	0.353	0.706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Dibromomethane	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,3-Dichlorobenzene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Dichlorodifluoromethane	ND	0.141	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,1-Dichloroethane	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0120899**		
1,2-Dichloroethane (EDC)	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,1-Dichloroethene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,2-Dichloropropane	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,3-Dichloropropane	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
2,2-Dichloropropane	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,1-Dichloropropene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
cis-1,3-Dichloropropene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.141	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Ethylbenzene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Hexachlorobutadiene	ND	0.141	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
2-Hexanone	ND	1.41	1.41	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Isopropylbenzene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
4-Isopropyltoluene	**0.0763**	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	**J**
Methylene chloride	ND	0.706	1.41	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	0.706	1.41	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Naphthalene	**0.154**	0.141	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	**J**
n-Propylbenzene	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Styrene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Toluene	**0.110**	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	**J**
1,2,3-Trichlorobenzene	ND	0.353	0.706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.353	0.706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Trichloroethene (TCE)	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
Trichlorofluoromethane	ND	0.282	0.282	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,2,3-Trichloropropane	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
1,2,4-Trimethylbenzene	**0.160**	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0120899**		
1,3,5-Trimethylbenzene	**0.0861**	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	**J**
Vinyl chloride	ND	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
m,p-Xylene	ND	0.0706	0.141	mg/kg dry	50	12/28/20 13:27	5035A/8260D	
o-Xylene	**0.0353**	0.0353	0.0706	mg/kg dry	50	12/28/20 13:27	5035A/8260D	**J**
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits:*	*80-120 %*	*1*	*12/28/20 13:27*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*		*80-120 %*	*1*	*12/28/20 13:27*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*105 %*		*79-120 %*	*1*	*12/28/20 13:27*	*5035A/8260D*	
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120869**		
Acetone	ND	1.12	2.24	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Acrylonitrile	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Benzene	ND	0.0112	0.0224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Bromobenzene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Bromochloromethane	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Bromodichloromethane	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Bromoform	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Bromomethane	ND	1.12	1.12	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
2-Butanone (MEK)	ND	0.560	1.12	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
n-Butylbenzene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
sec-Butylbenzene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
tert-Butylbenzene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Carbon disulfide	ND	0.560	1.12	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Carbon tetrachloride	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Chlorobenzene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Chloroethane	ND	1.12	1.12	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Chloroform	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Chloromethane	ND	0.280	0.560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
2-Chlorotoluene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
4-Chlorotoluene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Dibromochloromethane	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	0.280	0.560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Dibromomethane	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120869**		
1,3-Dichlorobenzene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Dichlorodifluoromethane	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,1-Dichloroethane	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,1-Dichloroethene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2-Dichloropropane	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,3-Dichloropropane	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
2,2-Dichloropropane	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,1-Dichloropropene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
cis-1,3-Dichloropropene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Ethylbenzene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Hexachlorobutadiene	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
2-Hexanone	ND	0.560	1.12	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Isopropylbenzene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
4-Isopropyltoluene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Methylene chloride	ND	0.560	1.12	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	0.560	1.12	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Naphthalene	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
n-Propylbenzene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Styrene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Toluene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2,3-Trichlorobenzene	ND	0.280	0.560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.280	0.560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120869**		
Trichloroethene (TCE)	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Trichlorofluoromethane	ND	0.112	0.224	mg/kg dry	50	12/23/20 19:26	5035A/8260D	Q-30
1,2,3-Trichloropropane	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,2,4-Trimethylbenzene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
1,3,5-Trimethylbenzene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Vinyl chloride	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
m,p-Xylene	ND	0.0560	0.112	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
o-Xylene	ND	0.0280	0.0560	mg/kg dry	50	12/23/20 19:26	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*12/23/20 19:26*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/23/20 19:26*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*105 %*	*79-120 %*	*1*	*12/23/20 19:26*	*5035A/8260D*	
CB-4 (A0L0698-04)				**Matrix: Solid**		**Batch: 0120869**		
Acetone	ND	2.83	5.66	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Acrylonitrile	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Benzene	ND	0.0283	0.0566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Bromobenzene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Bromochloromethane	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Bromodichloromethane	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Bromoform	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Bromomethane	ND	2.83	2.83	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
2-Butanone (MEK)	ND	1.42	2.83	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
n-Butylbenzene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
sec-Butylbenzene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
tert-Butylbenzene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Carbon disulfide	ND	1.42	2.83	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Carbon tetrachloride	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Chlorobenzene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Chloroethane	ND	2.83	2.83	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Chloroform	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Chloromethane	ND	0.708	1.42	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
2-Chlorotoluene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
4-Chlorotoluene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Dibromochloromethane	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4 (A0L0698-04)				**Matrix: Solid**		**Batch: 0120869**		
1,2-Dibromo-3-chloropropane	ND	0.708	1.42	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Dibromomethane	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,3-Dichlorobenzene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Dichlorodifluoromethane	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,1-Dichloroethane	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,1-Dichloroethene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,2-Dichloropropane	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,3-Dichloropropane	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
2,2-Dichloropropane	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,1-Dichloropropene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
cis-1,3-Dichloropropene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Ethylbenzene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Hexachlorobutadiene	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
2-Hexanone	ND	1.42	2.83	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Isopropylbenzene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
4-Isopropyltoluene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Methylene chloride	ND	1.42	2.83	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	1.42	2.83	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Naphthalene	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
n-Propylbenzene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Styrene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Toluene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4 (A0L0698-04)				**Matrix: Solid**		**Batch: 0120869**		
1,2,3-Trichlorobenzene	ND	0.708	1.42	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.708	1.42	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Trichloroethene (TCE)	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Trichlorofluoromethane	ND	0.283	0.566	mg/kg dry	50	12/23/20 19:53	5035A/8260D	Q-30
1,2,3-Trichloropropane	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,2,4-Trimethylbenzene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
1,3,5-Trimethylbenzene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Vinyl chloride	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
m,p-Xylene	ND	0.142	0.283	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
o-Xylene	ND	0.0708	0.142	mg/kg dry	50	12/23/20 19:53	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*12/23/20 19:53*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*12/23/20 19:53*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*106 %*	*79-120 %*	*1*	*12/23/20 19:53*	*5035A/8260D*	
CB-4_DUP (A0L0698-05)				**Matrix: Solid**		**Batch: 0120869**		
Acetone	ND	2.66	5.33	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Acrylonitrile	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Benzene	ND	0.0266	0.0533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Bromobenzene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Bromochloromethane	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Bromodichloromethane	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Bromoform	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Bromomethane	ND	2.66	2.66	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
2-Butanone (MEK)	ND	1.33	2.66	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
n-Butylbenzene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
sec-Butylbenzene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
tert-Butylbenzene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Carbon disulfide	ND	1.33	2.66	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Carbon tetrachloride	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Chlorobenzene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Chloroethane	ND	2.66	2.66	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Chloroform	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4_DUP (A0L0698-05)				**Matrix: Solid**		**Batch: 0120869**		
Chloromethane	ND	0.666	1.33	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
2-Chlorotoluene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
4-Chlorotoluene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Dibromochloromethane	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	0.666	1.33	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Dibromomethane	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,3-Dichlorobenzene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Dichlorodifluoromethane	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,1-Dichloroethane	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,1-Dichloroethene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2-Dichloropropane	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,3-Dichloropropane	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
2,2-Dichloropropane	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,1-Dichloropropene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
cis-1,3-Dichloropropene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Ethylbenzene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Hexachlorobutadiene	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
2-Hexanone	ND	1.33	2.66	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Isopropylbenzene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
4-Isopropyltoluene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Methylene chloride	ND	1.33	2.66	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	1.33	2.66	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Naphthalene	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
n-Propylbenzene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Styrene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4_DUP (A0L0698-05)				**Matrix: Solid**		**Batch: 0120869**		
1,1,1,2-Tetrachloroethane	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Toluene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2,3-Trichlorobenzene	ND	0.666	1.33	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.666	1.33	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Trichloroethene (TCE)	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Trichlorofluoromethane	ND	0.266	0.533	mg/kg dry	50	12/23/20 20:20	5035A/8260D	Q-30
1,2,3-Trichloropropane	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,2,4-Trimethylbenzene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
1,3,5-Trimethylbenzene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Vinyl chloride	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
m,p-Xylene	ND	0.133	0.266	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
o-Xylene	ND	0.0666	0.133	mg/kg dry	50	12/23/20 20:20	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*12/23/20 20:20*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/23/20 20:20*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*104 %*	*79-120 %*	*1*	*12/23/20 20:20*	*5035A/8260D*	
CB-5 (A0L0698-06)				**Matrix: Solid**		**Batch: 0120837**		
Acetone	ND	4.63	4.63	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Acrylonitrile	ND	0.463	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Benzene	ND	0.0231	0.0463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Bromobenzene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Bromochloromethane	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Bromodichloromethane	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Bromoform	ND	0.231	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Bromomethane	ND	2.31	2.31	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
2-Butanone (MEK)	ND	1.16	2.31	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
n-Butylbenzene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
sec-Butylbenzene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
tert-Butylbenzene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Carbon disulfide	ND	1.16	2.31	mg/kg dry	50	12/23/20 10:54	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-5 (A0L0698-06)				**Matrix: Solid**		**Batch: 0120837**		
Carbon tetrachloride	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Chlorobenzene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Chloroethane	ND	2.31	2.31	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Chloroform	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Chloromethane	ND	0.578	1.16	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
2-Chlorotoluene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
4-Chlorotoluene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Dibromochloromethane	ND	0.231	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	0.578	1.16	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Dibromomethane	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,3-Dichlorobenzene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Dichlorodifluoromethane	ND	0.231	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,1-Dichloroethane	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,1-Dichloroethene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2-Dichloropropane	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,3-Dichloropropane	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
2,2-Dichloropropane	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,1-Dichloropropene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
cis-1,3-Dichloropropene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.231	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Ethylbenzene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Hexachlorobutadiene	ND	0.231	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
2-Hexanone	ND	1.16	2.31	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Isopropylbenzene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
4-Isopropyltoluene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Methylene chloride	ND	1.16	2.31	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	1.16	2.31	mg/kg dry	50	12/23/20 10:54	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-5 (A0L0698-06)				**Matrix: Solid**		**Batch: 0120837**		
Methyl tert-butyl ether (MTBE)	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Naphthalene	ND	0.231	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
n-Propylbenzene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Styrene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Toluene	**0.562**	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2,3-Trichlorobenzene	ND	0.578	1.16	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.578	1.16	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Trichloroethene (TCE)	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Trichlorofluoromethane	ND	0.231	0.463	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2,3-Trichloropropane	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,2,4-Trimethylbenzene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
1,3,5-Trimethylbenzene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Vinyl chloride	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
m,p-Xylene	ND	0.116	0.231	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
o-Xylene	ND	0.0578	0.116	mg/kg dry	50	12/23/20 10:54	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*118 %*	*Limits: 80-120 %*	*1*	*12/23/20 10:54*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*12/23/20 10:54*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*12/23/20 10:54*	*5035A/8260D*	
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120837**		
Acetone	ND	5.72	5.72	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Acrylonitrile	ND	0.572	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Benzene	ND	0.0286	0.0572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Bromobenzene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Bromochloromethane	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Bromodichloromethane	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Bromoform	ND	0.286	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Bromomethane	ND	2.86	2.86	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
2-Butanone (MEK)	ND	1.43	2.86	mg/kg dry	50	12/23/20 11:22	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120837**		
n-Butylbenzene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
sec-Butylbenzene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
tert-Butylbenzene	ND	0.286	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Carbon disulfide	ND	1.43	2.86	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Carbon tetrachloride	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Chlorobenzene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Chloroethane	ND	2.86	2.86	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Chloroform	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Chloromethane	ND	0.714	1.43	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
2-Chlorotoluene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
4-Chlorotoluene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Dibromochloromethane	ND	0.286	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	0.714	1.43	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Dibromomethane	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,3-Dichlorobenzene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Dichlorodifluoromethane	ND	0.286	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,1-Dichloroethane	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,1-Dichloroethene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2-Dichloropropane	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,3-Dichloropropane	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
2,2-Dichloropropane	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,1-Dichloropropene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
cis-1,3-Dichloropropene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.286	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Ethylbenzene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Hexachlorobutadiene	ND	0.286	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
2-Hexanone	ND	1.43	2.86	mg/kg dry	50	12/23/20 11:22	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120837**		
Isopropylbenzene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
4-Isopropyltoluene	**0.377**	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Methylene chloride	ND	1.43	2.86	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	1.43	2.86	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Naphthalene	**0.286**	0.286	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	**J**
n-Propylbenzene	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Styrene	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Toluene	**0.149**	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	**J**
1,2,3-Trichlorobenzene	ND	0.714	1.43	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.714	1.43	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Trichloroethene (TCE)	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
Trichlorofluoromethane	ND	0.286	0.572	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2,3-Trichloropropane	ND	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,2,4-Trimethylbenzene	**0.552**	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
1,3,5-Trimethylbenzene	**0.194**	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	**J**
Vinyl chloride	ND	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	
m,p-Xylene	**0.220**	0.143	0.286	mg/kg dry	50	12/23/20 11:22	5035A/8260D	**J**
o-Xylene	**0.111**	0.0714	0.143	mg/kg dry	50	12/23/20 11:22	5035A/8260D	**J**
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*117 %*	*Limits: 80-120 %*	*1*	*12/23/20 11:22*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*12/23/20 11:22*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*12/23/20 11:22*	*5035A/8260D*	
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120837**		
Acetone	ND	3.35	3.35	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Acrylonitrile	ND	0.335	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Benzene	ND	0.0168	0.0335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Bromobenzene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120837**		
Bromochloromethane	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Bromodichloromethane	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Bromoform	ND	0.168	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Bromomethane	ND	1.68	1.68	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
2-Butanone (MEK)	ND	0.839	1.68	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
n-Butylbenzene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
sec-Butylbenzene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
tert-Butylbenzene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Carbon disulfide	ND	0.839	1.68	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Carbon tetrachloride	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Chlorobenzene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Chloroethane	ND	1.68	1.68	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Chloroform	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Chloromethane	ND	0.419	0.839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
2-Chlorotoluene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
4-Chlorotoluene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Dibromochloromethane	ND	0.168	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	0.419	0.839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Dibromomethane	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2-Dichlorobenzene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,3-Dichlorobenzene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,4-Dichlorobenzene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Dichlorodifluoromethane	ND	0.168	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,1-Dichloroethane	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,1-Dichloroethene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
cis-1,2-Dichloroethene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
trans-1,2-Dichloroethene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2-Dichloropropane	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,3-Dichloropropane	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
2,2-Dichloropropane	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,1-Dichloropropene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120837**		
cis-1,3-Dichloropropene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
trans-1,3-Dichloropropene	ND	0.168	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Ethylbenzene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Hexachlorobutadiene	ND	0.168	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
2-Hexanone	ND	0.839	1.68	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Isopropylbenzene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
4-Isopropyltoluene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Methylene chloride	ND	0.839	1.68	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	0.839	1.68	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Naphthalene	**0.168**	0.168	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	**J**
n-Propylbenzene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Styrene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Tetrachloroethene (PCE)	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Toluene	**0.151**	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	**J**
1,2,3-Trichlorobenzene	ND	0.419	0.839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2,4-Trichlorobenzene	ND	0.419	0.839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,1,1-Trichloroethane	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,1,2-Trichloroethane	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Trichloroethene (TCE)	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Trichlorofluoromethane	ND	0.168	0.335	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2,3-Trichloropropane	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
1,2,4-Trimethylbenzene	**0.122**	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	**J**
1,3,5-Trimethylbenzene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Vinyl chloride	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
m,p-Xylene	ND	0.0839	0.168	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
o-Xylene	ND	0.0419	0.0839	mg/kg dry	50	12/23/20 02:45	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*12/23/20 02:45*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*12/23/20 02:45*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*106 %*	*79-120 %*	*1*	*12/23/20 02:45*	*5035A/8260D*	
TB(121720) (A0L0698-09)				**Matrix: Water**		**Batch: 0120732**		

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TB(121720) (A0L0698-09)				**Matrix: Water**		**Batch: 0120732**		
Acetone	ND	10.0	20.0	ug/L	1	12/20/20 01:46	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	12/20/20 01:46	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Bromoform	ND	1.00	2.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	12/20/20 01:46	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	12/20/20 01:46	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	12/20/20 01:46	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	12/20/20 01:46	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TB(121720) (A0L0698-09)				**Matrix: Water**		**Batch: 0120732**		
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	Q-30
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	12/20/20 01:46	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	12/20/20 01:46	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	12/20/20 01:46	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	12/20/20 01:46	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Naphthalene	ND	2.00	2.00	ug/L	1	12/20/20 01:46	EPA 8260D	Q-30
n-Propylbenzene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	12/20/20 01:46	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	12/20/20 01:46	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	12/20/20 01:46	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
TB(121720) (A0L0698-09)				**Matrix: Water**		**Batch: 0120732**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*12/20/20 01:46*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*12/20/20 01:46*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*80-120 %*	*1*	*12/20/20 01:46*	*EPA 8260D*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.00913	0.0183	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1221	ND	0.00913	0.0183	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1232	ND	0.0183	0.0183	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1242	ND	0.00913	0.0183	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1248	ND	0.00913	0.0183	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1254	ND	0.00913	0.0183	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1260	ND	0.00913	0.0183	mg/kg	1	01/04/21 08:19	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 90 %*		*Limits: 60-125 %*	*1*	*01/04/21 08:19*	*EPA 8082A*	
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.00847	0.0169	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1221	ND	0.00847	0.0169	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1232	ND	0.0169	0.0169	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1242	ND	0.00847	0.0169	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1248	ND	0.00847	0.0169	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1254	**0.0124**	0.00847	0.0169	mg/kg	1	01/04/21 09:30	EPA 8082A	**J**
Aroclor 1260	**0.0152**	0.00847	0.0169	mg/kg	1	01/04/21 09:30	EPA 8082A	**J**
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 81 %*		*Limits: 60-125 %*	*1*	*01/04/21 09:30*	*EPA 8082A*	
CB-3 (A0L0698-03RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.00816	0.0163	mg/kg	1	01/04/21 10:05	EPA 8082A	
Aroclor 1221	ND	0.00816	0.0163	mg/kg	1	01/04/21 10:05	EPA 8082A	
Aroclor 1232	ND	0.00816	0.0163	mg/kg	1	01/04/21 10:05	EPA 8082A	
Aroclor 1242	**0.111**	0.00816	0.0163	mg/kg	1	01/04/21 10:05	EPA 8082A	**P-12**
Aroclor 1248	ND	0.00816	0.0163	mg/kg	1	01/04/21 10:05	EPA 8082A	
Aroclor 1254	**0.0456**	0.00816	0.0163	mg/kg	1	01/04/21 10:05	EPA 8082A	**P-12**
Aroclor 1260	**0.0236**	0.00816	0.0163	mg/kg	1	01/04/21 10:05	EPA 8082A	**P-12**
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 80 %*		*Limits: 60-125 %*	*1*	*01/04/21 10:05*	*EPA 8082A*	
CB-4 (A0L0698-04RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.00926	0.0185	mg/kg	1	01/04/21 10:40	EPA 8082A	
Aroclor 1221	ND	0.00926	0.0185	mg/kg	1	01/04/21 10:40	EPA 8082A	
Aroclor 1232	ND	0.00926	0.0185	mg/kg	1	01/04/21 10:40	EPA 8082A	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4 (A0L0698-04RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1242	**0.0328**	0.00926	0.0185	mg/kg	1	01/04/21 10:40	EPA 8082A	**P-12**
Aroclor 1248	ND	0.00926	0.0185	mg/kg	1	01/04/21 10:40	EPA 8082A	
Aroclor 1254	**0.311**	0.00926	0.0185	mg/kg	1	01/04/21 10:40	EPA 8082A	**P-12**
Aroclor 1260	**0.0433**	0.00926	0.0185	mg/kg	1	01/04/21 10:40	EPA 8082A	**P-12**
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 82 %*		*Limits: 60-125 %*	*1*	*01/04/21 10:40*	*EPA 8082A*	
CB-4_DUP (A0L0698-05RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.00766	0.0153	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1221	ND	0.00766	0.0153	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1232	ND	0.00766	0.0153	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1242	**0.0482**	0.00766	0.0153	mg/kg	1	01/04/21 08:19	EPA 8082A	**P-12**
Aroclor 1248	ND	0.00766	0.0153	mg/kg	1	01/04/21 08:19	EPA 8082A	
Aroclor 1254	**0.240**	0.00766	0.0153	mg/kg	1	01/04/21 08:19	EPA 8082A	**P-12**
Aroclor 1260	**0.0588**	0.00766	0.0153	mg/kg	1	01/04/21 08:19	EPA 8082A	**P-12**
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 83 %*		*Limits: 60-125 %*	*1*	*01/04/21 08:19*	*EPA 8082A*	
CB-5 (A0L0698-06)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.0962	0.192	mg/kg	10	12/31/20 21:38	EPA 8082A	
Aroclor 1221	ND	0.0962	0.192	mg/kg	10	12/31/20 21:38	EPA 8082A	
Aroclor 1232	ND	0.0962	0.192	mg/kg	10	12/31/20 21:38	EPA 8082A	
Aroclor 1242	ND	0.0962	0.192	mg/kg	10	12/31/20 21:38	EPA 8082A	
Aroclor 1248	ND	0.0962	0.192	mg/kg	10	12/31/20 21:38	EPA 8082A	
Aroclor 1254	**1.48**	0.0962	0.192	mg/kg	10	12/31/20 21:38	EPA 8082A	
Aroclor 1260	ND	0.0962	0.192	mg/kg	10	12/31/20 21:38	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 82 %*		*Limits: 60-125 %*	*10*	*12/31/20 21:38*	*EPA 8082A*	
CB-6 (A0L0698-07RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.0196	0.0196	mg/kg	1	01/04/21 08:54	EPA 8082A	
Aroclor 1221	ND	0.0196	0.0196	mg/kg	1	01/04/21 08:54	EPA 8082A	
Aroclor 1232	ND	0.0604	0.0604	mg/kg	1	01/04/21 08:54	EPA 8082A	R-02
Aroclor 1242	ND	0.0196	0.0196	mg/kg	1	01/04/21 08:54	EPA 8082A	
Aroclor 1248	ND	0.0196	0.0196	mg/kg	1	01/04/21 08:54	EPA 8082A	
Aroclor 1254	**0.0400**	0.00980	0.0196	mg/kg	1	01/04/21 08:54	EPA 8082A	**P-12**

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-6 (A0L0698-07RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1260	**0.0217**	0.00980	0.0196	mg/kg	1	01/04/21 08:54	EPA 8082A	**P-12**
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 88 %*	*Limits: 60-125 %*		*1*	*01/04/21 08:54*	*EPA 8082A*	
CB-7 (A0L0698-08RE1)				**Matrix: Solid**		**Batch: 0121020**		**C-07**
Aroclor 1016	ND	0.00966	0.0193	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1221	ND	0.0193	0.0193	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1232	ND	0.0193	0.0193	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1242	ND	0.00966	0.0193	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1248	ND	0.0193	0.0193	mg/kg	1	01/04/21 09:30	EPA 8082A	
Aroclor 1254	**0.0531**	0.00966	0.0193	mg/kg	1	01/04/21 09:30	EPA 8082A	**P-12**
Aroclor 1260	**0.0502**	0.00966	0.0193	mg/kg	1	01/04/21 09:30	EPA 8082A	**P-12**
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 97 %*	*Limits: 60-125 %*		*1*	*01/04/21 09:30*	*EPA 8082A*	

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Aldrin	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
alpha-BHC	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
beta-BHC	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
delta-BHC	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
gamma-BHC (Lindane)	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
cis-Chlordane	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
trans-Chlordane	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
4,4'-DDD	ND	0.0479	0.0479	mg/kg	2	12/31/20 13:55	EPA 8081B	R-02
4,4'-DDE	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
4,4'-DDT	ND	0.0331	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Dieldrin	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Endosulfan I	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Endosulfan II	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Endosulfan sulfate	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Endrin	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Endrin Aldehyde	ND	0.0331	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Endrin ketone	ND	0.0331	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Heptachlor	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Heptachlor epoxide	ND	0.0165	0.0331	mg/kg	2	12/31/20 13:55	EPA 8081B	
Methoxychlor	ND	0.0496	0.0992	mg/kg	2	12/31/20 13:55	EPA 8081B	
Chlordane (Technical)	ND	0.496	0.992	mg/kg	2	12/31/20 13:55	EPA 8081B	
Toxaphene (Total)	ND	0.496	0.992	mg/kg	2	12/31/20 13:55	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*69 %*	*Limits: 42-129 %*	*2*	*12/31/20 13:55*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*124 %*	*55-130 %*	*2*	*12/31/20 13:55*	*EPA 8081B*	
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Aldrin	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
alpha-BHC	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
beta-BHC	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
delta-BHC	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
gamma-BHC (Lindane)	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
cis-Chlordane	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
trans-Chlordane	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-2 (A0L0698-02RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
4,4'-DDD	ND	0.0157	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
4,4'-DDE	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
4,4'-DDT	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Dieldrin	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Endosulfan I	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Endosulfan II	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Endosulfan sulfate	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Endrin	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Endrin Aldehyde	ND	0.0157	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Endrin ketone	ND	0.0157	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Heptachlor	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Heptachlor epoxide	ND	0.00784	0.0157	mg/kg	1	12/31/20 15:04	EPA 8081B	
Methoxychlor	ND	0.0235	0.0471	mg/kg	1	12/31/20 15:04	EPA 8081B	
Chlordane (Technical)	ND	0.235	0.471	mg/kg	1	12/31/20 15:04	EPA 8081B	
Toxaphene (Total)	ND	0.235	0.471	mg/kg	1	12/31/20 15:04	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 57 %*		*Limits: 42-129 %*	*1*	*12/31/20 15:04*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*129 %*	*55-130 %*	*1*	*12/31/20 15:04*	*EPA 8081B*	
CB-3 (A0L0698-03RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Aldrin	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
alpha-BHC	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
beta-BHC	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
delta-BHC	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
gamma-BHC (Lindane)	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
cis-Chlordane	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
trans-Chlordane	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
4,4'-DDD	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
4,4'-DDE	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
4,4'-DDT	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Dieldrin	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Endosulfan I	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Endosulfan II	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Endosulfan sulfate	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-3 (A0L0698-03RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Endrin	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Endrin Aldehyde	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Endrin ketone	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Heptachlor	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Heptachlor epoxide	ND	0.00930	0.0186	mg/kg	1	12/31/20 13:19	EPA 8081B	
Methoxychlor	ND	0.0279	0.0558	mg/kg	1	12/31/20 13:19	EPA 8081B	
Chlordane (Technical)	ND	0.279	0.558	mg/kg	1	12/31/20 13:19	EPA 8081B	
Toxaphene (Total)	ND	0.279	0.558	mg/kg	1	12/31/20 13:19	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*65 %*	*Limits: 42-129 %*	*1*	*12/31/20 13:19*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*91 %*	*55-130 %*	*1*	*12/31/20 13:19*	*EPA 8081B*	
CB-4 (A0L0698-04RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Aldrin	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
alpha-BHC	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
beta-BHC	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
delta-BHC	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
gamma-BHC (Lindane)	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
cis-Chlordane	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
trans-Chlordane	ND	0.0264	0.0264	mg/kg	1	12/31/20 13:53	EPA 8081B	R-02
4,4'-DDD	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
4,4'-DDE	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
4,4'-DDT	ND	0.0189	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Dieldrin	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Endosulfan I	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Endosulfan II	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Endosulfan sulfate	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Endrin	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Endrin Aldehyde	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Endrin ketone	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Heptachlor	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Heptachlor epoxide	ND	0.00943	0.0189	mg/kg	1	12/31/20 13:53	EPA 8081B	
Methoxychlor	ND	0.0283	0.0566	mg/kg	1	12/31/20 13:53	EPA 8081B	
Chlordane (Technical)	ND	0.283	0.566	mg/kg	1	12/31/20 13:53	EPA 8081B	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4 (A0L0698-04RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Toxaphene (Total)	ND	0.283	0.566	mg/kg	1	12/31/20 13:53	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*37 %*	*Limits: 42-129 %*	*1*	*12/31/20 13:53*	*EPA 8081B*	*S-06*
Decachlorobiphenyl (Surr)			*79 %*	*55-130 %*	*1*	*12/31/20 13:53*	*EPA 8081B*	
CB-4_DUP (A0L0698-05RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Aldrin	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
alpha-BHC	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
beta-BHC	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
delta-BHC	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
gamma-BHC (Lindane)	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
cis-Chlordane	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
trans-Chlordane	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
4,4'-DDD	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
4,4'-DDE	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
4,4'-DDT	ND	0.0192	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Dieldrin	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Endosulfan I	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Endosulfan II	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Endosulfan sulfate	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Endrin	ND	0.0192	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Endrin Aldehyde	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Endrin ketone	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Heptachlor	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Heptachlor epoxide	ND	0.00962	0.0192	mg/kg	1	12/31/20 14:27	EPA 8081B	
Methoxychlor	ND	0.0288	0.0577	mg/kg	1	12/31/20 14:27	EPA 8081B	
Chlordane (Technical)	ND	0.288	0.577	mg/kg	1	12/31/20 14:27	EPA 8081B	
Toxaphene (Total)	ND	0.288	0.577	mg/kg	1	12/31/20 14:27	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*66 %*	*Limits: 42-129 %*	*1*	*12/31/20 14:27*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*99 %*	*55-130 %*	*1*	*12/31/20 14:27*	*EPA 8081B*	
CB-5 (A0L0698-06RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
Aldrin	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
alpha-BHC	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
beta-BHC	ND	0.0284	0.0284	mg/kg	1	12/31/20 15:01	EPA 8081B	R-02

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-5 (A0L0698-06RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05, R-04**
delta-BHC	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
gamma-BHC (Lindane)	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
cis-Chlordane	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
trans-Chlordane	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
4,4'-DDD	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
4,4'-DDE	ND	0.0196	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
4,4'-DDT	ND	0.0500	0.0500	mg/kg	1	12/31/20 15:01	EPA 8081B	R-02
Dieldrin	ND	0.0196	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Endosulfan I	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Endosulfan II	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Endosulfan sulfate	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Endrin	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Endrin Aldehyde	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Endrin ketone	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Heptachlor	ND	0.00980	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Heptachlor epoxide	ND	0.0196	0.0196	mg/kg	1	12/31/20 15:01	EPA 8081B	
Methoxychlor	ND	0.0294	0.0588	mg/kg	1	12/31/20 15:01	EPA 8081B	
Chlordane (Technical)	ND	0.294	0.588	mg/kg	1	12/31/20 15:01	EPA 8081B	
Toxaphene (Total)	ND	0.294	0.588	mg/kg	1	12/31/20 15:01	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*54 %*	*Limits: 42-129 %*	*1*	*12/31/20 15:01*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*88 %*	*55-130 %*	*1*	*12/31/20 15:01*	*EPA 8081B*	
CB-6 (A0L0698-07RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05**
Aldrin	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
alpha-BHC	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
beta-BHC	ND	0.0137	0.0137	mg/kg	1	01/04/21 13:20	EPA 8081B	R-02
delta-BHC	ND	0.00943	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
gamma-BHC (Lindane)	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
cis-Chlordane	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
trans-Chlordane	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
4,4'-DDD	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
4,4'-DDE	ND	0.00943	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
4,4'-DDT	ND	0.00943	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-6 (A0L0698-07RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05**
Dieldrin	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Endosulfan I	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Endosulfan II	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Endosulfan sulfate	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Endrin	ND	0.00943	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Endrin Aldehyde	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Endrin ketone	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Heptachlor	ND	0.00943	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Heptachlor epoxide	ND	0.00472	0.00943	mg/kg	1	01/04/21 13:20	EPA 8081B	
Methoxychlor	ND	0.0142	0.0283	mg/kg	1	01/04/21 13:20	EPA 8081B	
Chlordane (Technical)	ND	0.142	0.283	mg/kg	1	01/04/21 13:20	EPA 8081B	
Toxaphene (Total)	ND	0.142	0.283	mg/kg	1	01/04/21 13:20	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*87 %*	*Limits: 42-129 %*	*1*	*01/04/21 13:20*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*92 %*	*55-130 %*	*1*	*01/04/21 13:20*	*EPA 8081B*	
CB-7 (A0L0698-08RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05**
Aldrin	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
alpha-BHC	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
beta-BHC	ND	0.00866	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
delta-BHC	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
gamma-BHC (Lindane)	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
cis-Chlordane	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
trans-Chlordane	ND	0.0130	0.0130	mg/kg	1	01/04/21 13:37	EPA 8081B	R-02
4,4'-DDD	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
4,4'-DDE	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
4,4'-DDT	ND	0.00866	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Dieldrin	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Endosulfan I	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Endosulfan II	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Endosulfan sulfate	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Endrin	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Endrin Aldehyde	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Endrin ketone	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-7 (A0L0698-08RE1)				**Matrix: Solid**		**Batch: 0121015**		**C-05**
Heptachlor	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Heptachlor epoxide	ND	0.00433	0.00866	mg/kg	1	01/04/21 13:37	EPA 8081B	
Methoxychlor	ND	0.0130	0.0260	mg/kg	1	01/04/21 13:37	EPA 8081B	
Chlordane (Technical)	ND	0.130	0.260	mg/kg	1	01/04/21 13:37	EPA 8081B	
Toxaphene (Total)	ND	0.130	0.260	mg/kg	1	01/04/21 13:37	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*79 %*	*Limits: 42-129 %*	*1*	*01/04/21 13:37*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*92 %*	*55-130 %*	*1*	*01/04/21 13:37*	*EPA 8081B*	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	**0.957**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	**J, Q-42**
Acenaphthylene	ND	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Anthracene	**3.07**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Benz(a)anthracene	**14.4**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Benzo(a)pyrene	**21.4**	1.41	2.82	mg/kg	40	12/30/20 17:54	EPA 8270E	
Benzo(b)fluoranthene	**27.3**	1.41	2.82	mg/kg	40	12/30/20 17:54	EPA 8270E	**M-05**
Benzo(k)fluoranthene	**18.6**	1.41	2.82	mg/kg	40	12/30/20 17:54	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**21.1**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Chrysene	**26.6**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Dibenz(a,h)anthracene	**2.90**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Fluoranthene	**41.2**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Fluorene	ND	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	Q-42
Indeno(1,2,3-cd)pyrene	**21.1**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
1-Methylnaphthalene	ND	1.88	3.75	mg/kg	40	12/30/20 17:54	EPA 8270E	
2-Methylnaphthalene	ND	1.88	3.75	mg/kg	40	12/30/20 17:54	EPA 8270E	
Naphthalene	ND	1.88	3.75	mg/kg	40	12/30/20 17:54	EPA 8270E	
Phenanthrene	**17.2**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Pyrene	**37.4**	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Carbazole	**5.29**	1.41	2.82	mg/kg	40	12/30/20 17:54	EPA 8270E	
Dibenzofuran	ND	0.937	1.88	mg/kg	40	12/30/20 17:54	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	14.1	28.2	mg/kg	40	12/30/20 17:54	EPA 8270E	
Butyl benzyl phthalate	ND	9.37	18.8	mg/kg	40	12/30/20 17:54	EPA 8270E	
Diethylphthalate	ND	9.37	18.8	mg/kg	40	12/30/20 17:54	EPA 8270E	
Dimethylphthalate	ND	9.37	18.8	mg/kg	40	12/30/20 17:54	EPA 8270E	
Di-n-butylphthalate	ND	9.37	18.8	mg/kg	40	12/30/20 17:54	EPA 8270E	
Di-n-octyl phthalate	ND	9.37	18.8	mg/kg	40	12/30/20 17:54	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*47 %*	*Limits: 37-122 %*	*40*	*12/30/20 17:54*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*68 %*	*44-120 %*	*40*	*12/30/20 17:54*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*61 %*	*33-122 %*	*40*	*12/30/20 17:54*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*78 %*	*54-127 %*	*40*	*12/30/20 17:54*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*58 %*	*35-120 %*	*40*	*12/30/20 17:54*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*187 %*	*39-132 %*	*40*	*12/30/20 17:54*	*EPA 8270E*	*S-05*
CB-2 (A0L0698-02)				**Matrix: Solid**		**Batch: 0120994**		

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-2 (A0L0698-02)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	ND	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Acenaphthylene	ND	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Anthracene	ND	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Benz(a)anthracene	**2.65**	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Benzo(a)pyrene	**4.16**	1.24	2.49	mg/kg	40	12/30/20 20:22	EPA 8270E	
Benzo(b)fluoranthene	**4.59**	1.24	2.49	mg/kg	40	12/30/20 20:22	EPA 8270E	**M-05**
Benzo(k)fluoranthene	**3.69**	1.24	2.49	mg/kg	40	12/30/20 20:22	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**2.97**	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Chrysene	**4.64**	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Fluoranthene	**7.24**	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Fluorene	ND	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**2.87**	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
1-Methylnaphthalene	ND	1.66	3.32	mg/kg	40	12/30/20 20:22	EPA 8270E	
2-Methylnaphthalene	ND	1.66	3.32	mg/kg	40	12/30/20 20:22	EPA 8270E	
Naphthalene	ND	1.66	3.32	mg/kg	40	12/30/20 20:22	EPA 8270E	
Phenanthrene	**2.49**	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Pyrene	**6.71**	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Carbazole	ND	1.24	2.49	mg/kg	40	12/30/20 20:22	EPA 8270E	
Dibenzofuran	ND	0.828	1.66	mg/kg	40	12/30/20 20:22	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	12.4	24.9	mg/kg	40	12/30/20 20:22	EPA 8270E	
Butyl benzyl phthalate	ND	8.28	16.6	mg/kg	40	12/30/20 20:22	EPA 8270E	
Diethylphthalate	ND	8.28	16.6	mg/kg	40	12/30/20 20:22	EPA 8270E	
Dimethylphthalate	ND	8.28	16.6	mg/kg	40	12/30/20 20:22	EPA 8270E	
Di-n-butylphthalate	ND	8.28	16.6	mg/kg	40	12/30/20 20:22	EPA 8270E	
Di-n-octyl phthalate	ND	8.28	16.6	mg/kg	40	12/30/20 20:22	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*54 %*	*Limits: 37-122 %*	*40*	*12/30/20 20:22*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*69 %*	*44-120 %*	*40*	*12/30/20 20:22*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*57 %*	*33-122 %*	*40*	*12/30/20 20:22*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*83 %*	*54-127 %*	*40*	*12/30/20 20:22*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*56 %*	*35-120 %*	*40*	*12/30/20 20:22*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*187 %*	*39-132 %*	*40*	*12/30/20 20:22*	*EPA 8270E*	*S-05*
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120994**		

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	ND	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Acenaphthylene	ND	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Anthracene	ND	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Benz(a)anthracene	**1.73**	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	**J**
Benzo(a)pyrene	**2.76**	1.30	2.61	mg/kg	40	12/30/20 20:58	EPA 8270E	
Benzo(b)fluoranthene	**3.16**	1.30	2.61	mg/kg	40	12/30/20 20:58	EPA 8270E	**M-05**
Benzo(k)fluoranthene	**2.49**	1.30	2.61	mg/kg	40	12/30/20 20:58	EPA 8270E	**J**
Benzo(g,h,i)perylene	**1.74**	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Chrysene	**2.71**	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Fluoranthene	**3.91**	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Fluorene	ND	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**1.74**	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
1-Methylnaphthalene	ND	1.74	3.48	mg/kg	40	12/30/20 20:58	EPA 8270E	
2-Methylnaphthalene	ND	1.74	3.48	mg/kg	40	12/30/20 20:58	EPA 8270E	
Naphthalene	ND	1.74	3.48	mg/kg	40	12/30/20 20:58	EPA 8270E	
Phenanthrene	**1.62**	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	**J**
Pyrene	**3.62**	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Carbazole	ND	1.30	2.61	mg/kg	40	12/30/20 20:58	EPA 8270E	
Dibenzofuran	ND	0.867	1.74	mg/kg	40	12/30/20 20:58	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	13.0	26.1	mg/kg	40	12/30/20 20:58	EPA 8270E	
Butyl benzyl phthalate	ND	8.67	17.4	mg/kg	40	12/30/20 20:58	EPA 8270E	
Diethylphthalate	ND	8.67	17.4	mg/kg	40	12/30/20 20:58	EPA 8270E	
Dimethylphthalate	ND	8.67	17.4	mg/kg	40	12/30/20 20:58	EPA 8270E	
Di-n-butylphthalate	ND	8.67	17.4	mg/kg	40	12/30/20 20:58	EPA 8270E	
Di-n-octyl phthalate	ND	8.67	17.4	mg/kg	40	12/30/20 20:58	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*55 %*	*Limits: 37-122 %*	*40*	*12/30/20 20:58*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*68 %*	*44-120 %*	*40*	*12/30/20 20:58*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*64 %*	*33-122 %*	*40*	*12/30/20 20:58*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*86 %*	*54-127 %*	*40*	*12/30/20 20:58*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*59 %*	*35-120 %*	*40*	*12/30/20 20:58*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*188 %*	*39-132 %*	*40*	*12/30/20 20:58*	*EPA 8270E*	*S-05*
CB-4 (A0L0698-04RE1)				**Matrix: Solid**		**Batch: 0120994**		

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4 (A0L0698-04RE1)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	ND	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Acenaphthylene	ND	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Anthracene	ND	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Benz(a)anthracene	**0.570**	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	**J**
Benzo(a)pyrene	**1.22**	0.685	1.37	mg/kg	20	12/31/20 21:19	EPA 8270E	**J**
Benzo(b)fluoranthene	**1.40**	0.685	1.37	mg/kg	20	12/31/20 21:19	EPA 8270E	**M-05**
Benzo(k)fluoranthene	**1.02**	0.685	1.37	mg/kg	20	12/31/20 21:19	EPA 8270E	**J**
Benzo(g,h,i)perylene	**0.550**	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	**J**
Chrysene	**1.08**	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Fluoranthene	**1.28**	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Fluorene	ND	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**0.663**	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	**J**
1-Methylnaphthalene	ND	0.914	1.83	mg/kg	20	12/31/20 21:19	EPA 8270E	
2-Methylnaphthalene	ND	0.914	1.83	mg/kg	20	12/31/20 21:19	EPA 8270E	
Naphthalene	ND	0.914	1.83	mg/kg	20	12/31/20 21:19	EPA 8270E	
Phenanthrene	**0.638**	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	**J**
Pyrene	**1.36**	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Carbazole	ND	0.685	1.37	mg/kg	20	12/31/20 21:19	EPA 8270E	
Dibenzofuran	ND	0.455	0.914	mg/kg	20	12/31/20 21:19	EPA 8270E	
Bis(2-ethylhexyl)phthalate	**10.3**	6.85	13.7	mg/kg	20	12/31/20 21:19	EPA 8270E	**J**
Butyl benzyl phthalate	ND	4.55	9.14	mg/kg	20	12/31/20 21:19	EPA 8270E	
Diethylphthalate	ND	4.55	9.14	mg/kg	20	12/31/20 21:19	EPA 8270E	
Dimethylphthalate	ND	4.55	9.14	mg/kg	20	12/31/20 21:19	EPA 8270E	
Di-n-butylphthalate	ND	4.55	9.14	mg/kg	20	12/31/20 21:19	EPA 8270E	
Di-n-octyl phthalate	ND	4.55	9.14	mg/kg	20	12/31/20 21:19	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*46 %*	*Limits: 37-122 %*	*20*	*12/31/20 21:19*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*64 %*	*44-120 %*	*20*	*12/31/20 21:19*	*EPA 8270E*	
Phenol-d6 (Surr)			*62 %*	*33-122 %*	*20*	*12/31/20 21:19*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*87 %*	*54-127 %*	*20*	*12/31/20 21:19*	*EPA 8270E*	
2-Fluorophenol (Surr)			*58 %*	*35-120 %*	*20*	*12/31/20 21:19*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*137 %*	*39-132 %*	*20*	*12/31/20 21:19*	*EPA 8270E*	*S-06*
CB-4_DUP (A0L0698-05RE1)				**Matrix: Solid**		**Batch: 0120994**		

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4_DUP (A0L0698-05RE1)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	ND	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Acenaphthylene	ND	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Anthracene	ND	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Benz(a)anthracene	**0.572**	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	**J**
Benzo(a)pyrene	**1.18**	0.577	1.15	mg/kg	20	12/31/20 21:55	EPA 8270E	
Benzo(b)fluoranthene	**1.39**	0.577	1.15	mg/kg	20	12/31/20 21:55	EPA 8270E	**M-05**
Benzo(k)fluoranthene	**0.978**	0.577	1.15	mg/kg	20	12/31/20 21:55	EPA 8270E	**J**
Benzo(g,h,i)perylene	**0.580**	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	**J**
Chrysene	**1.05**	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Fluoranthene	**1.32**	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Fluorene	ND	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**0.760**	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	**J**
1-Methylnaphthalene	ND	0.770	1.54	mg/kg	20	12/31/20 21:55	EPA 8270E	
2-Methylnaphthalene	ND	0.770	1.54	mg/kg	20	12/31/20 21:55	EPA 8270E	
Naphthalene	ND	0.770	1.54	mg/kg	20	12/31/20 21:55	EPA 8270E	
Phenanthrene	**0.687**	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	**J**
Pyrene	**1.41**	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Carbazole	ND	0.577	1.15	mg/kg	20	12/31/20 21:55	EPA 8270E	
Dibenzofuran	ND	0.384	0.770	mg/kg	20	12/31/20 21:55	EPA 8270E	
Bis(2-ethylhexyl)phthalate	**9.18**	5.77	11.5	mg/kg	20	12/31/20 21:55	EPA 8270E	**J**
Butyl benzyl phthalate	ND	3.84	7.70	mg/kg	20	12/31/20 21:55	EPA 8270E	
Diethylphthalate	ND	3.84	7.70	mg/kg	20	12/31/20 21:55	EPA 8270E	
Dimethylphthalate	ND	3.84	7.70	mg/kg	20	12/31/20 21:55	EPA 8270E	
Di-n-butylphthalate	ND	3.84	7.70	mg/kg	20	12/31/20 21:55	EPA 8270E	
Di-n-octyl phthalate	ND	3.84	7.70	mg/kg	20	12/31/20 21:55	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*42 %*	*Limits: 37-122 %*	*20*	*12/31/20 21:55*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*66 %*	*44-120 %*	*20*	*12/31/20 21:55*	*EPA 8270E*	
Phenol-d6 (Surr)			*64 %*	*33-122 %*	*20*	*12/31/20 21:55*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*82 %*	*54-127 %*	*20*	*12/31/20 21:55*	*EPA 8270E*	
2-Fluorophenol (Surr)			*59 %*	*35-120 %*	*20*	*12/31/20 21:55*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*139 %*	*39-132 %*	*20*	*12/31/20 21:55*	*EPA 8270E*	*S-06*
CB-5 (A0L0698-06RE1)				**Matrix: Solid**		**Batch: 0120994**		

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-5 (A0L0698-06RE1)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	ND	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Acenaphthylene	ND	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Anthracene	ND	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Benz(a)anthracene	**0.665**	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	**J**
Benzo(a)pyrene	**1.22**	0.593	1.19	mg/kg	20	12/31/20 22:30	EPA 8270E	
Benzo(b)fluoranthene	**1.40**	0.593	1.19	mg/kg	20	12/31/20 22:30	EPA 8270E	**M-05**
Benzo(k)fluoranthene	**0.954**	0.593	1.19	mg/kg	20	12/31/20 22:30	EPA 8270E	**J**
Benzo(g,h,i)perylene	**0.628**	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	**J**
Chrysene	**1.29**	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Fluoranthene	**1.32**	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Fluorene	ND	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**0.647**	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	**J**
1-Methylnaphthalene	ND	0.792	1.58	mg/kg	20	12/31/20 22:30	EPA 8270E	
2-Methylnaphthalene	ND	0.792	1.58	mg/kg	20	12/31/20 22:30	EPA 8270E	
Naphthalene	ND	0.792	1.58	mg/kg	20	12/31/20 22:30	EPA 8270E	
Phenanthrene	**0.649**	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	**J**
Pyrene	**1.43**	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Carbazole	ND	0.593	1.19	mg/kg	20	12/31/20 22:30	EPA 8270E	
Dibenzofuran	ND	0.394	0.792	mg/kg	20	12/31/20 22:30	EPA 8270E	
Bis(2-ethylhexyl)phthalate	**6.94**	5.93	11.9	mg/kg	20	12/31/20 22:30	EPA 8270E	**J**
Butyl benzyl phthalate	ND	3.94	7.92	mg/kg	20	12/31/20 22:30	EPA 8270E	
Diethylphthalate	ND	3.94	7.92	mg/kg	20	12/31/20 22:30	EPA 8270E	
Dimethylphthalate	ND	3.94	7.92	mg/kg	20	12/31/20 22:30	EPA 8270E	
Di-n-butylphthalate	ND	3.94	7.92	mg/kg	20	12/31/20 22:30	EPA 8270E	
Di-n-octyl phthalate	ND	3.94	7.92	mg/kg	20	12/31/20 22:30	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*57 %*	*Limits:* *37-122 %*	*20*	*12/31/20 22:30*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*76 %*	*44-120 %*	*20*	*12/31/20 22:30*	*EPA 8270E*	
Phenol-d6 (Surr)			*73 %*	*33-122 %*	*20*	*12/31/20 22:30*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*90 %*	*54-127 %*	*20*	*12/31/20 22:30*	*EPA 8270E*	
2-Fluorophenol (Surr)			*68 %*	*35-120 %*	*20*	*12/31/20 22:30*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*145 %*	*39-132 %*	*20*	*12/31/20 22:30*	*EPA 8270E*	*S-06*
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120994**		

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Acenaphthylene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Anthracene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Benz(a)anthracene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Benzo(a)pyrene	ND	0.531	1.06	mg/kg	40	12/30/20 23:21	EPA 8270E	
Benzo(b)fluoranthene	ND	0.531	1.06	mg/kg	40	12/30/20 23:21	EPA 8270E	
Benzo(k)fluoranthene	ND	0.531	1.06	mg/kg	40	12/30/20 23:21	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Chrysene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Fluoranthene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Fluorene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
1-Methylnaphthalene	ND	0.709	1.42	mg/kg	40	12/30/20 23:21	EPA 8270E	
2-Methylnaphthalene	ND	0.709	1.42	mg/kg	40	12/30/20 23:21	EPA 8270E	
Naphthalene	ND	0.709	1.42	mg/kg	40	12/30/20 23:21	EPA 8270E	
Phenanthrene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Pyrene	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Carbazole	ND	0.531	1.06	mg/kg	40	12/30/20 23:21	EPA 8270E	
Dibenzofuran	ND	0.353	0.709	mg/kg	40	12/30/20 23:21	EPA 8270E	
Bis(2-ethylhexyl)phthalate	**13.6**	5.31	10.6	mg/kg	40	12/30/20 23:21	EPA 8270E	
Butyl benzyl phthalate	ND	3.53	7.09	mg/kg	40	12/30/20 23:21	EPA 8270E	
Diethylphthalate	ND	3.53	7.09	mg/kg	40	12/30/20 23:21	EPA 8270E	
Dimethylphthalate	ND	3.53	7.09	mg/kg	40	12/30/20 23:21	EPA 8270E	
Di-n-butylphthalate	ND	3.53	7.09	mg/kg	40	12/30/20 23:21	EPA 8270E	
Di-n-octyl phthalate	ND	3.53	7.09	mg/kg	40	12/30/20 23:21	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*24 %*	*Limits: 37-122 %*	*40*	*12/30/20 23:21*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*47 %*	*44-120 %*	*40*	*12/30/20 23:21*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*48 %*	*33-122 %*	*40*	*12/30/20 23:21*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*62 %*	*54-127 %*	*40*	*12/30/20 23:21*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*42 %*	*35-120 %*	*40*	*12/30/20 23:21*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*102 %*	*39-132 %*	*40*	*12/30/20 23:21*	*EPA 8270E*	*S-05*
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120994**		

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120994**		
Acenaphthene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Acenaphthylene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Anthracene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Benz(a)anthracene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Benzo(a)pyrene	ND	0.517	1.03	mg/kg	40	12/30/20 23:56	EPA 8270E	
Benzo(b)fluoranthene	ND	0.517	1.03	mg/kg	40	12/30/20 23:56	EPA 8270E	
Benzo(k)fluoranthene	ND	0.517	1.03	mg/kg	40	12/30/20 23:56	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Chrysene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Fluoranthene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Fluorene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
1-Methylnaphthalene	ND	0.691	1.38	mg/kg	40	12/30/20 23:56	EPA 8270E	
2-Methylnaphthalene	ND	0.691	1.38	mg/kg	40	12/30/20 23:56	EPA 8270E	
Naphthalene	ND	0.691	1.38	mg/kg	40	12/30/20 23:56	EPA 8270E	
Phenanthrene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Pyrene	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Carbazole	ND	0.517	1.03	mg/kg	40	12/30/20 23:56	EPA 8270E	
Dibenzofuran	ND	0.344	0.691	mg/kg	40	12/30/20 23:56	EPA 8270E	
Bis(2-ethylhexyl)phthalate	**12.9**	5.17	10.3	mg/kg	40	12/30/20 23:56	EPA 8270E	
Butyl benzyl phthalate	ND	3.44	6.91	mg/kg	40	12/30/20 23:56	EPA 8270E	
Diethylphthalate	ND	3.44	6.91	mg/kg	40	12/30/20 23:56	EPA 8270E	
Dimethylphthalate	ND	3.44	6.91	mg/kg	40	12/30/20 23:56	EPA 8270E	
Di-n-butylphthalate	ND	3.44	6.91	mg/kg	40	12/30/20 23:56	EPA 8270E	
Di-n-octyl phthalate	ND	3.44	6.91	mg/kg	40	12/30/20 23:56	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*14 %*	*Limits: 37-122 %*	*40*	*12/30/20 23:56*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*54 %*	*44-120 %*	*40*	*12/30/20 23:56*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*53 %*	*33-122 %*	*40*	*12/30/20 23:56*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*79 %*	*54-127 %*	*40*	*12/30/20 23:56*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*45 %*	*35-120 %*	*40*	*12/30/20 23:56*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*110 %*	*39-132 %*	*40*	*12/30/20 23:56*	*EPA 8270E*	*S-05*

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**				
Batch: 1012474								
Antimony	**0.956**	0.503	1.01	mg/kg	10	01/04/21 15:50	EPA 6020B	**J**
Arsenic	**1.59**	0.503	1.01	mg/kg	10	01/04/21 15:50	EPA 6020B	
Beryllium	ND	0.101	0.201	mg/kg	10	01/04/21 15:50	EPA 6020B	
Cadmium	**0.265**	0.101	0.201	mg/kg	10	01/04/21 15:50	EPA 6020B	
Chromium	**30.4**	0.503	1.01	mg/kg	10	01/04/21 15:50	EPA 6020B	
Copper	**41.0**	1.01	2.01	mg/kg	10	01/04/21 15:50	EPA 6020B	
Lead	**19.0**	0.101	0.201	mg/kg	10	01/04/21 15:50	EPA 6020B	
Mercury	ND	0.0402	0.0805	mg/kg	10	01/04/21 15:50	EPA 6020B	
Nickel	**13.8**	1.01	2.01	mg/kg	10	01/04/21 15:50	EPA 6020B	
Selenium	ND	0.503	1.01	mg/kg	10	01/04/21 15:50	EPA 6020B	
Silver	ND	0.101	0.201	mg/kg	10	01/04/21 15:50	EPA 6020B	
Thallium	ND	0.101	0.201	mg/kg	10	01/04/21 15:50	EPA 6020B	
Zinc	**224**	2.01	4.02	mg/kg	10	01/04/21 15:50	EPA 6020B	
CB-2 (A0L0698-02)				**Matrix: Solid**				
Batch: 1012474								
Antimony	**1.07**	0.501	1.00	mg/kg	10	01/04/21 15:55	EPA 6020B	
Arsenic	**3.65**	0.501	1.00	mg/kg	10	01/04/21 15:55	EPA 6020B	
Beryllium	ND	0.100	0.200	mg/kg	10	01/04/21 15:55	EPA 6020B	
Cadmium	**1.18**	0.100	0.200	mg/kg	10	01/04/21 15:55	EPA 6020B	
Chromium	**27.6**	0.501	1.00	mg/kg	10	01/04/21 15:55	EPA 6020B	
Copper	**87.8**	1.00	2.00	mg/kg	10	01/04/21 15:55	EPA 6020B	
Lead	**29.0**	0.100	0.200	mg/kg	10	01/04/21 15:55	EPA 6020B	
Mercury	ND	0.0401	0.0802	mg/kg	10	01/04/21 15:55	EPA 6020B	
Nickel	**22.3**	1.00	2.00	mg/kg	10	01/04/21 15:55	EPA 6020B	
Selenium	ND	0.501	1.00	mg/kg	10	01/04/21 15:55	EPA 6020B	
Silver	ND	0.100	0.200	mg/kg	10	01/04/21 15:55	EPA 6020B	
Thallium	ND	0.100	0.200	mg/kg	10	01/04/21 15:55	EPA 6020B	
Zinc	**383**	2.00	4.01	mg/kg	10	01/04/21 15:55	EPA 6020B	
CB-3 (A0L0698-03)				**Matrix: Solid**				
Batch: 1012474								
Antimony	**1.03**	0.500	1.00	mg/kg	10	01/04/21 16:00	EPA 6020B	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-3 (A0L0698-03)				**Matrix: Solid**				
Arsenic	**1.77**	0.500	1.00	mg/kg	10	01/04/21 16:00	EPA 6020B	
Beryllium	ND	0.100	0.200	mg/kg	10	01/04/21 16:00	EPA 6020B	
Cadmium	**0.239**	0.100	0.200	mg/kg	10	01/04/21 16:00	EPA 6020B	
Chromium	**29.5**	0.500	1.00	mg/kg	10	01/04/21 16:00	EPA 6020B	
Copper	**51.6**	1.00	2.00	mg/kg	10	01/04/21 16:00	EPA 6020B	
Lead	**46.9**	0.100	0.200	mg/kg	10	01/04/21 16:00	EPA 6020B	
Mercury	**0.0531**	0.0400	0.0800	mg/kg	10	01/04/21 16:00	EPA 6020B	**J**
Nickel	**12.0**	1.00	2.00	mg/kg	10	01/04/21 16:00	EPA 6020B	
Selenium	ND	0.500	1.00	mg/kg	10	01/04/21 16:00	EPA 6020B	
Silver	**0.148**	0.100	0.200	mg/kg	10	01/04/21 16:00	EPA 6020B	**J**
Thallium	ND	0.100	0.200	mg/kg	10	01/04/21 16:00	EPA 6020B	
CB-3 (A0L0698-03RE1)				**Matrix: Solid**				
Batch: 1012474								
Zinc	**5860**	10.0	20.0	mg/kg	50	01/05/21 12:58	EPA 6020B	
CB-4 (A0L0698-04)				**Matrix: Solid**				
Batch: 1012474								
Antimony	**2.48**	0.547	1.09	mg/kg	10	01/04/21 16:05	EPA 6020B	**Q-42**
Arsenic	**3.43**	0.547	1.09	mg/kg	10	01/04/21 16:05	EPA 6020B	
Beryllium	ND	0.109	0.219	mg/kg	10	01/04/21 16:05	EPA 6020B	
Cadmium	**2.24**	0.109	0.219	mg/kg	10	01/04/21 16:05	EPA 6020B	
Chromium	**276**	0.547	1.09	mg/kg	10	01/04/21 16:05	EPA 6020B	**Q-42**
Copper	**143**	1.09	2.19	mg/kg	10	01/04/21 16:05	EPA 6020B	**Q-42**
Lead	**63.9**	0.109	0.219	mg/kg	10	01/04/21 16:05	EPA 6020B	
Mercury	**0.375**	0.0438	0.0875	mg/kg	10	01/04/21 16:05	EPA 6020B	
Nickel	**32.2**	1.09	2.19	mg/kg	10	01/04/21 16:05	EPA 6020B	
Selenium	ND	0.547	1.09	mg/kg	10	01/04/21 16:05	EPA 6020B	
Silver	**0.223**	0.109	0.219	mg/kg	10	01/04/21 16:05	EPA 6020B	
Thallium	ND	0.109	0.219	mg/kg	10	01/04/21 16:05	EPA 6020B	
Zinc	**606**	2.19	4.38	mg/kg	10	01/04/21 16:05	EPA 6020B	**Q-42**
CB-4_DUP (A0L0698-05)				**Matrix: Solid**				
Batch: 1012474								

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-4_DUP (A0L0698-05)				**Matrix: Solid**				
Antimony	**2.71**	0.532	1.06	mg/kg	10	01/04/21 16:37	EPA 6020B	
Arsenic	**3.89**	0.532	1.06	mg/kg	10	01/04/21 16:37	EPA 6020B	
Beryllium	ND	0.106	0.213	mg/kg	10	01/04/21 16:37	EPA 6020B	
Cadmium	**2.49**	0.106	0.213	mg/kg	10	01/04/21 16:37	EPA 6020B	
Chromium	**146**	0.532	1.06	mg/kg	10	01/04/21 16:37	EPA 6020B	
Copper	**153**	1.06	2.13	mg/kg	10	01/04/21 16:37	EPA 6020B	
Lead	**67.5**	0.106	0.213	mg/kg	10	01/04/21 16:37	EPA 6020B	
Mercury	**0.416**	0.0426	0.0851	mg/kg	10	01/04/21 16:37	EPA 6020B	
Nickel	**33.8**	1.06	2.13	mg/kg	10	01/04/21 16:37	EPA 6020B	
Selenium	ND	0.532	1.06	mg/kg	10	01/04/21 16:37	EPA 6020B	
Silver	**0.333**	0.106	0.213	mg/kg	10	01/04/21 16:37	EPA 6020B	
Thallium	ND	0.106	0.213	mg/kg	10	01/04/21 16:37	EPA 6020B	
Zinc	**661**	2.13	4.26	mg/kg	10	01/04/21 16:37	EPA 6020B	
CB-5 (A0L0698-06)				**Matrix: Solid**				
Batch: 1012474								
Antimony	**2.23**	0.520	1.04	mg/kg	10	01/04/21 16:42	EPA 6020B	
Arsenic	**1.78**	0.520	1.04	mg/kg	10	01/04/21 16:42	EPA 6020B	
Beryllium	ND	0.104	0.208	mg/kg	10	01/04/21 16:42	EPA 6020B	
Cadmium	**1.18**	0.104	0.208	mg/kg	10	01/04/21 16:42	EPA 6020B	
Chromium	**41.2**	0.520	1.04	mg/kg	10	01/04/21 16:42	EPA 6020B	
Copper	**107**	1.04	2.08	mg/kg	10	01/04/21 16:42	EPA 6020B	
Lead	**71.8**	0.104	0.208	mg/kg	10	01/04/21 16:42	EPA 6020B	
Mercury	**0.148**	0.0416	0.0832	mg/kg	10	01/04/21 16:42	EPA 6020B	
Nickel	**21.2**	1.04	2.08	mg/kg	10	01/04/21 16:42	EPA 6020B	
Selenium	ND	0.520	1.04	mg/kg	10	01/04/21 16:42	EPA 6020B	
Silver	**0.273**	0.104	0.208	mg/kg	10	01/04/21 16:42	EPA 6020B	
Thallium	ND	0.104	0.208	mg/kg	10	01/04/21 16:42	EPA 6020B	
Zinc	**1620**	2.08	4.16	mg/kg	10	01/04/21 16:42	EPA 6020B	
CB-6 (A0L0698-07)				**Matrix: Solid**				
Batch: 1012474								
Antimony	**0.593**	0.538	1.08	mg/kg	10	01/04/21 16:47	EPA 6020B	**J**
Arsenic	**2.30**	0.538	1.08	mg/kg	10	01/04/21 16:47	EPA 6020B	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-6 (A0L0698-07)				**Matrix: Solid**				
Beryllium	ND	0.108	0.215	mg/kg	10	01/04/21 16:47	EPA 6020B	
Cadmium	**1.24**	0.108	0.215	mg/kg	10	01/04/21 16:47	EPA 6020B	
Chromium	**16.7**	0.538	1.08	mg/kg	10	01/04/21 16:47	EPA 6020B	
Copper	**92.0**	1.08	2.15	mg/kg	10	01/04/21 16:47	EPA 6020B	
Lead	**30.8**	0.108	0.215	mg/kg	10	01/04/21 16:47	EPA 6020B	
Mercury	**0.0843**	0.0430	0.0860	mg/kg	10	01/04/21 16:47	EPA 6020B	**J**
Nickel	**17.5**	1.08	2.15	mg/kg	10	01/04/21 16:47	EPA 6020B	
Selenium	ND	0.538	1.08	mg/kg	10	01/04/21 16:47	EPA 6020B	
Silver	**0.183**	0.108	0.215	mg/kg	10	01/04/21 16:47	EPA 6020B	**J**
Thallium	ND	0.108	0.215	mg/kg	10	01/04/21 16:47	EPA 6020B	
Zinc	**253**	2.15	4.30	mg/kg	10	01/04/21 16:47	EPA 6020B	
CB-7 (A0L0698-08)				**Matrix: Solid**				
Batch: 1012474								
Antimony	**1.28**	0.519	1.04	mg/kg	10	01/04/21 16:53	EPA 6020B	
Arsenic	**4.27**	0.519	1.04	mg/kg	10	01/04/21 16:53	EPA 6020B	
Beryllium	ND	0.104	0.207	mg/kg	10	01/04/21 16:53	EPA 6020B	
Cadmium	**1.15**	0.104	0.207	mg/kg	10	01/04/21 16:53	EPA 6020B	
Chromium	**34.4**	0.519	1.04	mg/kg	10	01/04/21 16:53	EPA 6020B	
Copper	**244**	1.04	2.07	mg/kg	10	01/04/21 16:53	EPA 6020B	
Lead	**24.0**	0.104	0.207	mg/kg	10	01/04/21 16:53	EPA 6020B	
Mercury	**0.197**	0.0415	0.0830	mg/kg	10	01/04/21 16:53	EPA 6020B	
Nickel	**62.9**	1.04	2.07	mg/kg	10	01/04/21 16:53	EPA 6020B	
Selenium	ND	0.519	1.04	mg/kg	10	01/04/21 16:53	EPA 6020B	
Silver	**0.175**	0.104	0.207	mg/kg	10	01/04/21 16:53	EPA 6020B	**J**
Thallium	ND	0.104	0.207	mg/kg	10	01/04/21 16:53	EPA 6020B	
Zinc	**1050**	2.07	4.15	mg/kg	10	01/04/21 16:53	EPA 6020B	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**32.9**	1.00	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-2 (A0L0698-02)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**72.0**	1.00	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**58.8**	1.00	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-4 (A0L0698-04)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**29.3**	1.00	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-4_DUP (A0L0698-05)				**Matrix: Solid**		**Batch: 0120933**		
% Solids	**26.6**	1.00	1.00	%	1	12/30/20 07:25	EPA 8000D	
CB-5 (A0L0698-06)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**32.4**	1.00	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**33.5**	1.00	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**40.2**	1.00	1.00	%	1	12/31/20 07:21	EPA 8000D	

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0120816 - EPA 3546 (Fuels)							**Solid**					
Blank (0120816-BLK1)			Prepared: 12/22/20 12:44		Analyzed: 12/23/20 02:31							
NWTPH-Dx												
Diesel	ND	9.09	25.0	mg/kg	1	---	---	---	---	---	---	
Oil	ND	18.2	50.0	mg/kg	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 93 %*	*Limits: 50-150 %*		*Dilution: 1x*						
LCS (0120816-BS1)			Prepared: 12/22/20 12:44		Analyzed: 12/23/20 02:51							
NWTPH-Dx												
Diesel	107	10.0	25.0	mg/kg	1	125	---	85	73-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 90 %*	*Limits: 50-150 %*		*Dilution: 1x*						
Duplicate (0120816-DUP2)			Prepared: 12/22/20 12:44		Analyzed: 12/23/20 12:10							
QC Source Sample: CB-1 (A0L0698-01RE2)												
NWTPH-Dx												
Diesel	ND	49.8	99.6	mg/kg	5	---	ND	---	---	---	30%	
Oil	**1830**	99.6	199	mg/kg	5	---	1960	---	---	7	30%	F-03
Surr: o-Terphenyl (Surr)			*Recovery: 88 %*	*Limits: 50-150 %*		*Dilution: 5x*						S-05

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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 0120837 - EPA 5035A							**Soil**					
Blank (0120837-BLK1)			Prepared: 12/22/20 09:00		Analyzed: 12/23/20 01:24							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	1.67	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 94 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*94 %*	*50-150 %*			*"*					
LCS (0120837-BS2)			Prepared: 12/22/20 09:00		Analyzed: 12/23/20 00:57							
NWTPH-Gx (MS)												
Gasoline Range Organics	24.4	2.50	5.00	mg/kg wet	50	25.0	---	97	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 95 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*95 %*	*50-150 %*			*"*					
Duplicate (0120837-DUP1)			Prepared: 12/21/20 16:00		Analyzed: 12/23/20 02:18							V-15
QC Source Sample: Non-SDG (A0L0795-01)												
Gasoline Range Organics	ND	3.24	6.48	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*95 %*	*50-150 %*			*"*					
Duplicate (0120837-DUP2)			Prepared: 12/17/20 12:30		Analyzed: 12/23/20 03:13							
QC Source Sample: CB-7 (A0L0698-08)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	9.67	19.3	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 130 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*97 %*	*50-150 %*			*"*					

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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 0120869 - EPA 5035A							**Soil**					
Blank (0120869-BLK1)			Prepared: 12/23/20 09:00		Analyzed: 12/23/20 14:26							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	1.67	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 89 %*		*Limits: 50-150 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*88 %*		*50-150 %*		*"*					
LCS (0120869-BS2)			Prepared: 12/23/20 09:00		Analyzed: 12/23/20 13:59							
NWTPH-Gx (MS)												
Gasoline Range Organics	23.7	2.50	5.00	mg/kg wet	50	25.0	---	95	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 91 %*		*Limits: 50-150 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*90 %*		*50-150 %*		*"*					
Duplicate (0120869-DUP1)			Prepared: 12/17/20 10:10		Analyzed: 12/23/20 18:58							
QC Source Sample: CB-1 (A0L0698-01)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	11.2	22.3	mg/kg dry	50	---	33.2	---	---	***	**30%**	Q-05
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 100 %*		*Limits: 50-150 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*92 %*		*50-150 %*		*"*					

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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 0120899 - EPA 5035A							**Soil**					
Blank (0120899-BLK1)			Prepared: 12/28/20 09:00		Analyzed: 12/28/20 12:05							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	1.67	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 90 %*		*Limits: 50-150 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*88 %*		*50-150 %*		*"*					
LCS (0120899-BS2)			Prepared: 12/28/20 09:00		Analyzed: 12/28/20 11:38							
NWTPH-Gx (MS)												
Gasoline Range Organics	22.0	2.50	5.00	mg/kg wet	50	25.0	---	88	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 90 %*		*Limits: 50-150 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*88 %*		*50-150 %*		*"*					
Duplicate (0120899-DUP1)			Prepared: 12/21/20 12:41		Analyzed: 12/28/20 16:11							
QC Source Sample: Non-SDG (A0L0839-05)												
Gasoline Range Organics	ND	3.39	6.79	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 93 %*		*Limits: 50-150 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*87 %*		*50-150 %*		*"*					
Duplicate (0120899-DUP2)			Prepared: 12/21/20 14:25		Analyzed: 12/28/20 22:31							
QC Source Sample: Non-SDG (A0L0888-02)												
Gasoline Range Organics	ND	4.64	9.29	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 86 %*		*Limits: 50-150 %*		*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*83 %*		*50-150 %*		*"*					

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
Blank (0120732-BLK1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 00:24							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
Blank (0120732-BLK1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 00:24							
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	Q-30
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	2.00	2.00	ug/L	1	---	---	---	---	---	---	Q-30
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 103 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
Blank (0120732-BLK1)				Prepared: 12/19/20 20:00 Analyzed: 12/20/20 00:24								
Surr: Toluene-d8 (Surr)			*Recovery: 104 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*104 %*	*80-120 %*				*"*				
LCS (0120732-BS1)				Prepared: 12/19/20 20:00 Analyzed: 12/19/20 23:30								
EPA 8260D												
Acetone	42.4	10.0	20.0	ug/L	1	40.0	---	106	80-120%	---	---	
Acrylonitrile	22.2	1.00	2.00	ug/L	1	20.0	---	111	80-120%	---	---	
Benzene	20.5	0.100	0.200	ug/L	1	20.0	---	103	80-120%	---	---	
Bromobenzene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Bromochloromethane	21.5	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Bromodichloromethane	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
Bromoform	19.5	1.00	2.00	ug/L	1	20.0	---	98	80-120%	---	---	
Bromomethane	23.5	5.00	5.00	ug/L	1	20.0	---	118	80-120%	---	---	
2-Butanone (MEK)	43.0	5.00	10.0	ug/L	1	40.0	---	108	80-120%	---	---	
n-Butylbenzene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
sec-Butylbenzene	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
tert-Butylbenzene	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Carbon disulfide	19.8	5.00	10.0	ug/L	1	20.0	---	99	80-120%	---	---	
Carbon tetrachloride	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Chlorobenzene	20.6	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Chloroethane	20.0	5.00	5.00	ug/L	1	20.0	---	100	80-120%	---	---	
Chloroform	21.7	0.500	1.00	ug/L	1	20.0	---	109	80-120%	---	---	
Chloromethane	26.7	2.50	5.00	ug/L	1	20.0	---	**133**	**80-120%**	---	---	Q-56
2-Chlorotoluene	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
4-Chlorotoluene	20.1	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Dibromochloromethane	20.8	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
1,2-Dibromo-3-chloropropane	17.4	2.50	5.00	ug/L	1	20.0	---	87	80-120%	---	---	
1,2-Dibromoethane (EDB)	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Dibromomethane	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,2-Dichlorobenzene	20.1	0.250	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
1,3-Dichlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
1,4-Dichlorobenzene	19.9	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
Dichlorodifluoromethane	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,1-Dichloroethane	21.2	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
LCS (0120732-BS1)			Prepared: 12/19/20 20:00		Analyzed: 12/19/20 23:30							
1,2-Dichloroethane (EDC)	22.2	0.200	0.400	ug/L	1	20.0	---	111	80-120%	---	---	
1,1-Dichloroethene	21.7	0.200	0.400	ug/L	1	20.0	---	108	80-120%	---	---	
cis-1,2-Dichloroethene	20.8	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
trans-1,2-Dichloroethene	21.3	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
1,2-Dichloropropane	20.7	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
1,3-Dichloropropane	21.5	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
2,2-Dichloropropane	13.3	0.500	1.00	ug/L	1	20.0	---	**67**	**80-120%**	---	---	Q-30
1,1-Dichloropropene	19.7	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
cis-1,3-Dichloropropene	17.9	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
trans-1,3-Dichloropropene	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Ethylbenzene	19.7	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
Hexachlorobutadiene	18.4	2.50	5.00	ug/L	1	20.0	---	92	80-120%	---	---	
2-Hexanone	41.1	5.00	10.0	ug/L	1	40.0	---	103	80-120%	---	---	
Isopropylbenzene	18.5	0.500	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
4-Isopropyltoluene	19.3	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Methylene chloride	21.1	5.00	10.0	ug/L	1	20.0	---	106	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	40.7	5.00	10.0	ug/L	1	40.0	---	102	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	17.2	0.500	1.00	ug/L	1	20.0	---	86	80-120%	---	---	
Naphthalene	12.7	2.00	2.00	ug/L	1	20.0	---	**63**	**80-120%**	---	---	Q-30
n-Propylbenzene	20.6	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Styrene	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
1,1,1,2-Tetrachloroethane	21.5	0.200	0.400	ug/L	1	20.0	---	108	80-120%	---	---	
1,1,2,2-Tetrachloroethane	23.4	0.250	0.500	ug/L	1	20.0	---	117	80-120%	---	---	
Tetrachloroethene (PCE)	19.4	0.200	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
Toluene	20.3	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2,3-Trichlorobenzene	18.7	1.00	2.00	ug/L	1	20.0	---	93	80-120%	---	---	
1,2,4-Trichlorobenzene	16.1	1.00	2.00	ug/L	1	20.0	---	80	80-120%	---	---	
1,1,1-Trichloroethane	19.4	0.200	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
1,1,2-Trichloroethane	22.2	0.250	0.500	ug/L	1	20.0	---	111	80-120%	---	---	
Trichloroethene (TCE)	18.1	0.200	0.400	ug/L	1	20.0	---	91	80-120%	---	---	
Trichlorofluoromethane	28.6	1.00	2.00	ug/L	1	20.0	---	**143**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
1,2,4-Trimethylbenzene	20.3	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,3,5-Trimethylbenzene	20.1	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
LCS (0120732-BS1)			Prepared: 12/19/20 20:00		Analyzed: 12/19/20 23:30							
Vinyl chloride	22.4	0.200	0.400	ug/L	1	20.0	---	112	80-120%	---	---	
m,p-Xylene	39.7	0.500	1.00	ug/L	1	40.0	---	99	80-120%	---	---	
o-Xylene	18.0	0.250	0.500	ug/L	1	20.0	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*101 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*93 %*		*80-120 %*		*"*					
Duplicate (0120732-DUP1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 10:50							
QC Source Sample: Non-SDG (A0L0354-10)												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
Duplicate (0120732-DUP1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 10:50							
QC Source Sample: Non-SDG (A0L0354-10)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	**5.95**	0.200	0.400	ug/L	1	---	5.76	---	---	3	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	Q-30
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	2.00	2.00	ug/L	1	---	ND	---	---	---	30%	Q-30
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	**1.78**	0.200	0.400	ug/L	1	---	1.86	---	---	5	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
Duplicate (0120732-DUP1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 10:50							
QC Source Sample: Non-SDG (A0L0354-10)												
Trichloroethene (TCE)	**1.06**	0.200	0.400	ug/L	1	---	1.11	---	---	5	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*105 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*103 %*		*80-120 %*		*"*					
Matrix Spike (0120732-MS1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 03:07							
QC Source Sample: Non-SDG (A0L0560-01)												
EPA 8260D												
Acetone	52.2	10.0	20.0	ug/L	1	40.0	ND	131	39-160%	---	---	
Acrylonitrile	23.4	1.00	2.00	ug/L	1	20.0	ND	117	63-135%	---	---	
Benzene	22.0	0.100	0.200	ug/L	1	20.0	ND	110	79-120%	---	---	
Bromobenzene	19.5	0.250	0.500	ug/L	1	20.0	ND	98	80-120%	---	---	
Bromochloromethane	22.1	0.500	1.00	ug/L	1	20.0	ND	111	78-123%	---	---	
Bromodichloromethane	21.9	0.500	1.00	ug/L	1	20.0	ND	110	79-125%	---	---	
Bromoform	18.6	1.00	2.00	ug/L	1	20.0	ND	93	66-130%	---	---	
Bromomethane	24.6	5.00	5.00	ug/L	1	20.0	ND	123	53-141%	---	---	
2-Butanone (MEK)	46.6	5.00	10.0	ug/L	1	40.0	ND	116	56-143%	---	---	
n-Butylbenzene	20.3	0.500	1.00	ug/L	1	20.0	ND	101	75-128%	---	---	
sec-Butylbenzene	20.2	0.500	1.00	ug/L	1	20.0	ND	101	77-126%	---	---	
tert-Butylbenzene	20.3	0.500	1.00	ug/L	1	20.0	ND	101	78-124%	---	---	
Carbon disulfide	22.2	5.00	10.0	ug/L	1	20.0	ND	111	64-133%	---	---	
Carbon tetrachloride	22.8	0.500	1.00	ug/L	1	20.0	ND	114	72-136%	---	---	
Chlorobenzene	20.4	0.250	0.500	ug/L	1	20.0	ND	102	80-120%	---	---	
Chloroethane	20.7	5.00	5.00	ug/L	1	20.0	ND	103	60-138%	---	---	
Chloroform	23.5	0.500	1.00	ug/L	1	20.0	0.803	114	79-124%	---	---	
Chloromethane	28.8	2.50	5.00	ug/L	1	20.0	ND	**144**	**50-139%**	---	---	Q-54a

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
Matrix Spike (0120732-MS1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 03:07							
QC Source Sample: Non-SDG (A0L0560-01)												
2-Chlorotoluene	19.1	0.500	1.00	ug/L	1	20.0	ND	95	79-122%	---	---	
4-Chlorotoluene	20.0	0.500	1.00	ug/L	1	20.0	ND	100	78-122%	---	---	
Dibromochloromethane	20.3	0.500	1.00	ug/L	1	20.0	ND	101	74-126%	---	---	
1,2-Dibromo-3-chloropropane	17.1	2.50	5.00	ug/L	1	20.0	ND	85	62-128%	---	---	
1,2-Dibromoethane (EDB)	18.7	0.500	1.00	ug/L	1	20.0	ND	93	77-121%	---	---	
Dibromomethane	22.6	0.500	1.00	ug/L	1	20.0	ND	113	79-123%	---	---	
1,2-Dichlorobenzene	19.6	0.250	0.500	ug/L	1	20.0	ND	98	80-120%	---	---	
1,3-Dichlorobenzene	19.8	0.250	0.500	ug/L	1	20.0	ND	99	80-120%	---	---	
1,4-Dichlorobenzene	19.4	0.250	0.500	ug/L	1	20.0	ND	97	79-120%	---	---	
Dichlorodifluoromethane	24.0	0.500	1.00	ug/L	1	20.0	ND	120	32-152%	---	---	
1,1-Dichloroethane	22.7	0.200	0.400	ug/L	1	20.0	ND	113	77-125%	---	---	
1,2-Dichloroethane (EDC)	22.8	0.200	0.400	ug/L	1	20.0	ND	114	73-128%	---	---	
1,1-Dichloroethene	24.3	0.200	0.400	ug/L	1	20.0	ND	122	71-131%	---	---	
cis-1,2-Dichloroethene	22.1	0.200	0.400	ug/L	1	20.0	ND	110	78-123%	---	---	
trans-1,2-Dichloroethene	23.1	0.200	0.400	ug/L	1	20.0	ND	115	75-124%	---	---	
1,2-Dichloropropane	22.1	0.250	0.500	ug/L	1	20.0	ND	111	78-122%	---	---	
1,3-Dichloropropane	21.0	0.500	1.00	ug/L	1	20.0	ND	105	80-120%	---	---	
2,2-Dichloropropane	12.6	0.500	1.00	ug/L	1	20.0	ND	63	60-139%	---	---	Q-30
1,1-Dichloropropene	21.9	0.500	1.00	ug/L	1	20.0	ND	110	79-125%	---	---	
cis-1,3-Dichloropropene	16.3	0.500	1.00	ug/L	1	20.0	ND	81	75-124%	---	---	
trans-1,3-Dichloropropene	18.3	0.500	1.00	ug/L	1	20.0	ND	91	73-127%	---	---	
Ethylbenzene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	79-121%	---	---	
Hexachlorobutadiene	18.8	2.50	5.00	ug/L	1	20.0	ND	94	66-134%	---	---	
2-Hexanone	41.6	5.00	10.0	ug/L	1	40.0	ND	104	57-139%	---	---	
Isopropylbenzene	19.3	0.500	1.00	ug/L	1	20.0	ND	97	72-131%	---	---	
4-Isopropyltoluene	19.4	0.500	1.00	ug/L	1	20.0	ND	97	77-127%	---	---	
Methylene chloride	22.0	5.00	10.0	ug/L	1	20.0	ND	110	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	40.3	5.00	10.0	ug/L	1	40.0	ND	101	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	17.2	0.500	1.00	ug/L	1	20.0	ND	86	71-124%	---	---	
Naphthalene	12.3	2.00	2.00	ug/L	1	20.0	ND	62	61-128%	---	---	Q-30
n-Propylbenzene	20.9	0.250	0.500	ug/L	1	20.0	ND	105	76-126%	---	---	
Styrene	19.4	0.500	1.00	ug/L	1	20.0	ND	97	78-123%	---	---	
1,1,1,2-Tetrachloroethane	21.3	0.200	0.400	ug/L	1	20.0	ND	107	78-124%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120732 - EPA 5030B							**Water**					
Matrix Spike (0120732-MS1)			Prepared: 12/19/20 20:00		Analyzed: 12/20/20 03:07							
QC Source Sample: Non-SDG (A0L0560-01)												
1,1,2,2-Tetrachloroethane	22.6	0.250	0.500	ug/L	1	20.0	ND	113	71-121%	---	---	
Tetrachloroethene (PCE)	19.8	0.200	0.400	ug/L	1	20.0	ND	99	74-129%	---	---	
Toluene	20.5	0.500	1.00	ug/L	1	20.0	ND	102	80-121%	---	---	
1,2,3-Trichlorobenzene	18.1	1.00	2.00	ug/L	1	20.0	ND	90	69-129%	---	---	
1,2,4-Trichlorobenzene	15.7	1.00	2.00	ug/L	1	20.0	ND	79	69-130%	---	---	
1,1,1-Trichloroethane	21.2	0.200	0.400	ug/L	1	20.0	ND	106	74-131%	---	---	
1,1,2-Trichloroethane	21.2	0.250	0.500	ug/L	1	20.0	ND	106	80-120%	---	---	
Trichloroethene (TCE)	19.3	0.200	0.400	ug/L	1	20.0	ND	96	79-123%	---	---	
Trichlorofluoromethane	32.3	1.00	2.00	ug/L	1	20.0	ND	**162**	**65-141%**	---	---	Q-54b
1,2,3-Trichloropropane	20.1	0.500	1.00	ug/L	1	20.0	ND	101	73-122%	---	---	
1,2,4-Trimethylbenzene	20.1	0.500	1.00	ug/L	1	20.0	ND	101	76-124%	---	---	
1,3,5-Trimethylbenzene	20.1	0.500	1.00	ug/L	1	20.0	ND	100	75-124%	---	---	
Vinyl chloride	25.5	0.200	0.400	ug/L	1	20.0	ND	127	58-137%	---	---	
m,p-Xylene	40.8	0.500	1.00	ug/L	1	40.0	ND	102	80-121%	---	---	
o-Xylene	18.6	0.250	0.500	ug/L	1	20.0	ND	93	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*92 %*		*80-120 %*			*"*				

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Blank (0120837-BLK1)			Prepared: 12/22/20 09:00 Analyzed: 12/23/20 01:24									
5035A/8260D												
Acetone	ND	0.667	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	0.0667	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	0.00333	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	0.333	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	0.333	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Blank (0120837-BLK1)			Prepared: 12/22/20 09:00 Analyzed: 12/23/20 01:24									
1,2-Dichloropropane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 106 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Blank (0120837-BLK1)				Prepared: 12/22/20 09:00 Analyzed: 12/23/20 01:24								
Surr: Toluene-d8 (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*105 %*	*79-120 %*			*"*					
LCS (0120837-BS1)				Prepared: 12/22/20 09:00 Analyzed: 12/23/20 00:30								
5035A/8260D												
Acetone	1.58	1.00	1.00	mg/kg wet	50	2.00	---	**79**	**80-120%**	---	---	Q-55
Acrylonitrile	0.748	0.100	0.100	mg/kg wet	50	1.00	---	**75**	**80-120%**	---	---	Q-55
Benzene	1.10	0.00500	0.0100	mg/kg wet	50	1.00	---	110	80-120%	---	---	
Bromobenzene	1.07	0.0125	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Bromochloromethane	1.02	0.0250	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
Bromodichloromethane	1.00	0.0250	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Bromoform	0.851	0.0500	0.100	mg/kg wet	50	1.00	---	85	80-120%	---	---	
Bromomethane	1.05	0.500	0.500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
2-Butanone (MEK)	1.87	0.250	0.500	mg/kg wet	50	2.00	---	94	80-120%	---	---	
n-Butylbenzene	1.10	0.0250	0.0500	mg/kg wet	50	1.00	---	110	80-120%	---	---	
sec-Butylbenzene	1.10	0.0250	0.0500	mg/kg wet	50	1.00	---	110	80-120%	---	---	
tert-Butylbenzene	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Carbon disulfide	1.04	0.250	0.500	mg/kg wet	50	1.00	---	104	80-120%	---	---	
Carbon tetrachloride	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Chlorobenzene	1.02	0.0125	0.0250	mg/kg wet	50	1.00	---	102	80-120%	---	---	
Chloroethane	0.778	0.500	0.500	mg/kg wet	50	1.00	---	**78**	**80-120%**	---	---	Q-55
Chloroform	1.03	0.0250	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Chloromethane	0.989	0.125	0.250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
2-Chlorotoluene	1.12	0.0250	0.0500	mg/kg wet	50	1.00	---	112	80-120%	---	---	
4-Chlorotoluene	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Dibromochloromethane	0.972	0.0500	0.100	mg/kg wet	50	1.00	---	97	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.892	0.125	0.250	mg/kg wet	50	1.00	---	89	80-120%	---	---	
1,2-Dibromoethane (EDB)	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Dibromomethane	0.994	0.0250	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
1,2-Dichlorobenzene	1.07	0.0125	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
1,3-Dichlorobenzene	1.12	0.0125	0.0250	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,4-Dichlorobenzene	1.00	0.0125	0.0250	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Dichlorodifluoromethane	0.977	0.0500	0.100	mg/kg wet	50	1.00	---	98	80-120%	---	---	
1,1-Dichloroethane	1.06	0.0125	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
LCS (0120837-BS1)			Prepared: 12/22/20 09:00 Analyzed: 12/23/20 00:30									
1,2-Dichloroethane (EDC)	0.929	0.0125	0.0250	mg/kg wet	50	1.00	---	93	80-120%	---	---	
1,1-Dichloroethene	0.980	0.0125	0.0250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
cis-1,2-Dichloroethene	1.04	0.0125	0.0250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
trans-1,2-Dichloroethene	1.05	0.0125	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,2-Dichloropropane	1.03	0.0125	0.0250	mg/kg wet	50	1.00	---	103	80-120%	---	---	
1,3-Dichloropropane	1.02	0.0250	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
2,2-Dichloropropane	1.30	0.0250	0.0500	mg/kg wet	50	1.00	---	**130**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1.10	0.0250	0.0500	mg/kg wet	50	1.00	---	110	80-120%	---	---	
cis-1,3-Dichloropropene	1.09	0.0250	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
trans-1,3-Dichloropropene	0.963	0.0500	0.100	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Ethylbenzene	1.06	0.0125	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Hexachlorobutadiene	1.10	0.0500	0.100	mg/kg wet	50	1.00	---	110	80-120%	---	---	
2-Hexanone	1.76	0.250	0.500	mg/kg wet	50	2.00	---	88	80-120%	---	---	
Isopropylbenzene	0.970	0.0250	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
4-Isopropyltoluene	1.05	0.0250	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
Methylene chloride	0.962	0.250	0.500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.89	0.250	0.500	mg/kg wet	50	2.00	---	95	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1.05	0.0250	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
Naphthalene	0.960	0.0500	0.100	mg/kg wet	50	1.00	---	96	80-120%	---	---	
n-Propylbenzene	1.09	0.0125	0.0250	mg/kg wet	50	1.00	---	109	80-120%	---	---	
Styrene	0.926	0.0250	0.0500	mg/kg wet	50	1.00	---	93	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1.01	0.0125	0.0250	mg/kg wet	50	1.00	---	101	80-120%	---	---	
1,1,2,2-Tetrachloroethane	0.948	0.0250	0.0500	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Tetrachloroethene (PCE)	1.12	0.0125	0.0250	mg/kg wet	50	1.00	---	112	80-120%	---	---	
Toluene	1.00	0.0250	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	1.06	0.125	0.250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
1,2,4-Trichlorobenzene	1.00	0.125	0.250	mg/kg wet	50	1.00	---	100	80-120%	---	---	
1,1,1-Trichloroethane	1.06	0.0125	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
1,1,2-Trichloroethane	1.04	0.0125	0.0250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
Trichloroethene (TCE)	1.15	0.0125	0.0250	mg/kg wet	50	1.00	---	115	80-120%	---	---	
Trichlorofluoromethane	0.804	0.0500	0.100	mg/kg wet	50	1.00	---	80	80-120%	---	---	
1,2,3-Trichloropropane	0.970	0.0250	0.0500	mg/kg wet	50	1.00	---	97	80-120%	---	---	
1,2,4-Trimethylbenzene	1.05	0.0250	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,3,5-Trimethylbenzene	1.09	0.0250	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
LCS (0120837-BS1)			Prepared: 12/22/20 09:00		Analyzed: 12/23/20 00:30							
Vinyl chloride	1.02	0.0125	0.0250	mg/kg wet	50	1.00	---	102	80-120%	---	---	
m,p-Xylene	1.93	0.0250	0.0500	mg/kg wet	50	2.00	---	97	80-120%	---	---	
o-Xylene	0.936	0.0125	0.0250	mg/kg wet	50	1.00	---	94	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 104 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*				*"*			
Duplicate (0120837-DUP1)			Prepared: 12/21/20 16:00		Analyzed: 12/23/20 02:18							**V-15**
QC Source Sample: Non-SDG (A0L0795-01)												
Acetone	ND	1.30	1.30	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	0.130	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	0.00648	0.0130	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	0.0648	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	0.648	0.648	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	0.324	0.648	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	0.324	0.648	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	0.648	0.648	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	0.162	0.324	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.0648	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.162	0.324	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Duplicate (0120837-DUP1)			Prepared: 12/21/20 16:00		Analyzed: 12/23/20 02:18							**V-15**
QC Source Sample: Non-SDG (A0L0795-01)												
1,3-Dichlorobenzene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.0648	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.0648	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	0.0648	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	0.324	0.648	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	0.324	0.648	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	0.324	0.648	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	0.0648	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	0.162	0.324	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	0.162	0.324	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Duplicate (0120837-DUP1)			Prepared: 12/21/20 16:00		Analyzed: 12/23/20 02:18							**V-15**
QC Source Sample: Non-SDG (A0L0795-01)												
Trichloroethene (TCE)	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	0.0648	0.130	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.0324	0.0648	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	0.0162	0.0324	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits:*	*80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*101 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*105 %*		*79-120 %*		*"*					
Duplicate (0120837-DUP2)			Prepared: 12/17/20 12:30		Analyzed: 12/23/20 03:13							
QC Source Sample: CB-7 (A0L0698-08)												
5035A/8260D												
Acetone	ND	3.87	3.87	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	0.387	0.387	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	0.0193	0.0387	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	0.193	0.387	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	1.93	1.93	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	0.967	1.93	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	0.967	1.93	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	1.93	1.93	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	0.483	0.967	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Duplicate (0120837-DUP2)			Prepared: 12/17/20 12:30		Analyzed: 12/23/20 03:13							
QC Source Sample: CB-7 (A0L0698-08)												
2-Chlorotoluene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.193	0.387	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.483	0.967	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.193	0.387	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.193	0.387	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	0.193	0.387	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	0.967	1.93	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	0.967	1.93	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	0.967	1.93	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	**0.197**	0.193	0.387	mg/kg dry	50	---	ND	---	---		30%	J
n-Propylbenzene	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Duplicate (0120837-DUP2)			Prepared: 12/17/20 12:30		Analyzed: 12/23/20 03:13							
QC Source Sample: CB-7 (A0L0698-08)												
1,1,2,2-Tetrachloroethane	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	0.0967	0.193	mg/kg dry	50	---	0.151	---	---	***	**30%**	Q-05
1,2,3-Trichlorobenzene	ND	0.483	0.967	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	0.483	0.967	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	0.193	0.387	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.0967	0.193	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**0.199**	0.0967	0.193	mg/kg dry	50	---	0.122	---	---	**48**	**30%**	Q-05
1,3,5-Trimethylbenzene	**0.116**	0.0967	0.193	mg/kg dry	50	---	ND	---	---		**30%**	Q-05, J
Vinyl chloride	ND	0.0483	0.0967	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	**0.137**	0.0967	0.193	mg/kg dry	50	---	ND	---	---		**30%**	Q-05, J
o-Xylene	**0.0793**	0.0483	0.0967	mg/kg dry	50	---	ND	---	---		**30%**	Q-05, J
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*112 %*		*79-120 %*			*"*				
Matrix Spike (0120837-MS1)			Prepared: 12/18/20 19:17		Analyzed: 12/23/20 06:22							**V-15**
QC Source Sample: Non-SDG (A0L0742-06)												
5035A/8260D												
Acetone	2.20	1.13	1.13	mg/kg dry	50	2.25	ND	98	36-164%	---	---	Q-54f
Acrylonitrile	0.947	0.113	0.113	mg/kg dry	50	1.12	ND	84	65-134%	---	---	Q-54l
Benzene	1.12	0.00563	0.0113	mg/kg dry	50	1.12	ND	100	77-121%	---	---	
Bromobenzene	1.18	0.0141	0.0281	mg/kg dry	50	1.12	ND	105	78-121%	---	---	
Bromochloromethane	1.12	0.0281	0.0563	mg/kg dry	50	1.12	ND	99	78-125%	---	---	
Bromodichloromethane	1.13	0.0281	0.0563	mg/kg dry	50	1.12	ND	101	75-127%	---	---	
Bromoform	1.05	0.0563	0.113	mg/kg dry	50	1.12	ND	93	67-132%	---	---	
Bromomethane	1.18	0.563	0.563	mg/kg dry	50	1.12	ND	105	53-143%	---	---	
2-Butanone (MEK)	1.92	0.281	0.563	mg/kg dry	50	2.25	ND	86	51-148%	---	---	
n-Butylbenzene	1.12	0.0281	0.0563	mg/kg dry	50	1.12	ND	100	70-128%	---	---	
sec-Butylbenzene	1.15	0.0281	0.0563	mg/kg dry	50	1.12	ND	102	73-126%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Matrix Spike (0120837-MS1)			Prepared: 12/18/20 19:17		Analyzed: 12/23/20 06:22							**V-15**
QC Source Sample: Non-SDG (A0L0742-06)												
tert-Butylbenzene	1.17	0.0281	0.0563	mg/kg dry	50	1.12	ND	104	73-125%	---	---	
Carbon disulfide	1.10	0.281	0.563	mg/kg dry	50	1.12	ND	98	63-132%	---	---	
Carbon tetrachloride	1.23	0.0281	0.0563	mg/kg dry	50	1.12	ND	110	70-135%	---	---	
Chlorobenzene	1.12	0.0141	0.0281	mg/kg dry	50	1.12	ND	100	79-120%	---	---	
Chloroethane	1.01	0.563	0.563	mg/kg dry	50	1.12	ND	90	59-139%	---	---	Q-54j
Chloroform	1.14	0.0281	0.0563	mg/kg dry	50	1.12	ND	102	78-123%	---	---	
Chloromethane	0.987	0.141	0.281	mg/kg dry	50	1.12	ND	88	50-136%	---	---	
2-Chlorotoluene	1.17	0.0281	0.0563	mg/kg dry	50	1.12	ND	104	75-122%	---	---	
4-Chlorotoluene	1.16	0.0281	0.0563	mg/kg dry	50	1.12	ND	103	72-124%	---	---	
Dibromochloromethane	1.14	0.0563	0.113	mg/kg dry	50	1.12	ND	102	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1.01	0.141	0.281	mg/kg dry	50	1.12	ND	90	61-132%	---	---	
1,2-Dibromoethane (EDB)	1.17	0.0281	0.0563	mg/kg dry	50	1.12	ND	104	78-122%	---	---	
Dibromomethane	1.10	0.0281	0.0563	mg/kg dry	50	1.12	ND	98	78-125%	---	---	
1,2-Dichlorobenzene	1.17	0.0141	0.0281	mg/kg dry	50	1.12	ND	105	78-121%	---	---	
1,3-Dichlorobenzene	1.23	0.0141	0.0281	mg/kg dry	50	1.12	ND	109	77-121%	---	---	
1,4-Dichlorobenzene	1.12	0.0141	0.0281	mg/kg dry	50	1.12	ND	99	75-120%	---	---	
Dichlorodifluoromethane	1.09	0.0563	0.113	mg/kg dry	50	1.12	ND	97	29-149%	---	---	
1,1-Dichloroethane	1.13	0.0141	0.0281	mg/kg dry	50	1.12	ND	101	76-125%	---	---	
1,2-Dichloroethane (EDC)	1.11	0.0141	0.0281	mg/kg dry	50	1.12	ND	99	73-128%	---	---	
1,1-Dichloroethene	1.08	0.0141	0.0281	mg/kg dry	50	1.12	ND	96	70-131%	---	---	
cis-1,2-Dichloroethene	1.13	0.0141	0.0281	mg/kg dry	50	1.12	ND	101	77-123%	---	---	
trans-1,2-Dichloroethene	1.12	0.0141	0.0281	mg/kg dry	50	1.12	ND	100	74-125%	---	---	
1,2-Dichloropropane	1.06	0.0141	0.0281	mg/kg dry	50	1.12	ND	95	76-123%	---	---	
1,3-Dichloropropane	1.14	0.0281	0.0563	mg/kg dry	50	1.12	ND	101	77-121%	---	---	
2,2-Dichloropropane	1.11	0.0281	0.0563	mg/kg dry	50	1.12	ND	99	67-133%	---	---	Q-54
1,1-Dichloropropene	1.15	0.0281	0.0563	mg/kg dry	50	1.12	ND	102	76-125%	---	---	
cis-1,3-Dichloropropene	1.13	0.0281	0.0563	mg/kg dry	50	1.12	ND	100	74-126%	---	---	
trans-1,3-Dichloropropene	1.05	0.0563	0.113	mg/kg dry	50	1.12	ND	93	71-130%	---	---	
Ethylbenzene	1.18	0.0141	0.0281	mg/kg dry	50	1.12	ND	105	76-122%	---	---	
Hexachlorobutadiene	1.16	0.0563	0.113	mg/kg dry	50	1.12	ND	103	61-135%	---	---	
2-Hexanone	1.96	0.281	0.563	mg/kg dry	50	2.25	ND	87	53-145%	---	---	
Isopropylbenzene	1.09	0.0281	0.0563	mg/kg dry	50	1.12	ND	97	68-134%	---	---	
4-Isopropyltoluene	1.11	0.0281	0.0563	mg/kg dry	50	1.12	ND	99	73-127%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120837 - EPA 5035A							**Soil**					
Matrix Spike (0120837-MS1)			Prepared: 12/18/20 19:17		Analyzed: 12/23/20 06:22							**V-15**
QC Source Sample: Non-SDG (A0L0742-06)												
Methylene chloride	1.04	0.281	0.563	mg/kg dry	50	1.12	ND	92	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	2.11	0.281	0.563	mg/kg dry	50	2.25	ND	94	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1.15	0.0281	0.0563	mg/kg dry	50	1.12	ND	102	73-125%	---	---	
Naphthalene	1.01	0.0563	0.113	mg/kg dry	50	1.12	ND	90	62-129%	---	---	
n-Propylbenzene	1.14	0.0141	0.0281	mg/kg dry	50	1.12	ND	101	73-125%	---	---	
Styrene	1.04	0.0281	0.0563	mg/kg dry	50	1.12	ND	92	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1.20	0.0141	0.0281	mg/kg dry	50	1.12	ND	107	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1.03	0.0281	0.0563	mg/kg dry	50	1.12	ND	92	70-124%	---	---	
Tetrachloroethene (PCE)	1.21	0.0141	0.0281	mg/kg dry	50	1.12	ND	108	73-128%	---	---	
Toluene	1.08	0.0281	0.0563	mg/kg dry	50	1.12	ND	96	77-121%	---	---	
1,2,3-Trichlorobenzene	1.20	0.141	0.281	mg/kg dry	50	1.12	ND	107	66-130%	---	---	
1,2,4-Trichlorobenzene	1.08	0.141	0.281	mg/kg dry	50	1.12	ND	96	67-129%	---	---	
1,1,1-Trichloroethane	1.21	0.0141	0.0281	mg/kg dry	50	1.12	ND	107	73-130%	---	---	
1,1,2-Trichloroethane	1.14	0.0141	0.0281	mg/kg dry	50	1.12	ND	101	78-121%	---	---	
Trichloroethene (TCE)	1.22	0.0141	0.0281	mg/kg dry	50	1.12	ND	108	77-123%	---	---	
Trichlorofluoromethane	1.34	0.0563	0.113	mg/kg dry	50	1.12	ND	119	62-140%	---	---	
1,2,3-Trichloropropane	1.12	0.0281	0.0563	mg/kg dry	50	1.12	ND	99	73-125%	---	---	
1,2,4-Trimethylbenzene	1.11	0.0281	0.0563	mg/kg dry	50	1.12	ND	99	75-123%	---	---	
1,3,5-Trimethylbenzene	1.17	0.0281	0.0563	mg/kg dry	50	1.12	ND	104	73-124%	---	---	
Vinyl chloride	1.05	0.0141	0.0281	mg/kg dry	50	1.12	ND	94	56-135%	---	---	
m,p-Xylene	2.17	0.0281	0.0563	mg/kg dry	50	2.25	ND	97	77-124%	---	---	
o-Xylene	1.06	0.0141	0.0281	mg/kg dry	50	1.12	ND	94	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
Blank (0120869-BLK1)			Prepared: 12/23/20 09:00 Analyzed: 12/23/20 14:26									
5035A/8260D												
Acetone	ND	0.333	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	0.00333	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	0.333	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	0.333	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
Blank (0120869-BLK1)			Prepared: 12/23/20 09:00		Analyzed: 12/23/20 14:26							
1,2-Dichloropropane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	Q-30
1,2,3-Trichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 113 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
Blank (0120869-BLK1)				Prepared: 12/23/20 09:00 Analyzed: 12/23/20 14:26								
Surr: Toluene-d8 (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*106 %*	*79-120 %*			*"*					
LCS (0120869-BS1)				Prepared: 12/23/20 09:00 Analyzed: 12/23/20 13:32								
5035A/8260D												
Acetone	1.64	0.500	1.00	mg/kg wet	50	2.00	---	82	80-120%	---	---	
Acrylonitrile	0.841	0.0500	0.100	mg/kg wet	50	1.00	---	84	80-120%	---	---	
Benzene	1.17	0.00500	0.0100	mg/kg wet	50	1.00	---	117	80-120%	---	---	
Bromobenzene	1.12	0.0125	0.0250	mg/kg wet	50	1.00	---	112	80-120%	---	---	
Bromochloromethane	0.991	0.0250	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Bromodichloromethane	1.03	0.0250	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Bromoform	0.890	0.0500	0.100	mg/kg wet	50	1.00	---	89	80-120%	---	---	
Bromomethane	1.04	0.500	0.500	mg/kg wet	50	1.00	---	104	80-120%	---	---	
2-Butanone (MEK)	1.87	0.250	0.500	mg/kg wet	50	2.00	---	93	80-120%	---	---	
n-Butylbenzene	1.09	0.0250	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
sec-Butylbenzene	1.13	0.0250	0.0500	mg/kg wet	50	1.00	---	113	80-120%	---	---	
tert-Butylbenzene	1.05	0.0250	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
Carbon disulfide	1.15	0.250	0.500	mg/kg wet	50	1.00	---	115	80-120%	---	---	
Carbon tetrachloride	1.09	0.0250	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
Chlorobenzene	1.06	0.0125	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Chloroethane	0.666	0.500	0.500	mg/kg wet	50	1.00	---	**67**	**80-120%**	---	---	Q-55
Chloroform	1.07	0.0250	0.0500	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Chloromethane	0.976	0.125	0.250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
2-Chlorotoluene	1.16	0.0250	0.0500	mg/kg wet	50	1.00	---	116	80-120%	---	---	
4-Chlorotoluene	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Dibromochloromethane	0.973	0.0500	0.100	mg/kg wet	50	1.00	---	97	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.922	0.125	0.250	mg/kg wet	50	1.00	---	92	80-120%	---	---	
1,2-Dibromoethane (EDB)	1.09	0.0250	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
Dibromomethane	1.09	0.0250	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	
1,2-Dichlorobenzene	1.10	0.0125	0.0250	mg/kg wet	50	1.00	---	110	80-120%	---	---	
1,3-Dichlorobenzene	1.14	0.0125	0.0250	mg/kg wet	50	1.00	---	114	80-120%	---	---	
1,4-Dichlorobenzene	1.04	0.0125	0.0250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
Dichlorodifluoromethane	0.994	0.0500	0.100	mg/kg wet	50	1.00	---	99	80-120%	---	---	
1,1-Dichloroethane	1.09	0.0125	0.0250	mg/kg wet	50	1.00	---	109	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
LCS (0120869-BS1)			Prepared: 12/23/20 09:00 Analyzed: 12/23/20 13:32									
1,2-Dichloroethane (EDC)	0.914	0.0125	0.0250	mg/kg wet	50	1.00	---	91	80-120%	---	---	
1,1-Dichloroethene	0.979	0.0125	0.0250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
cis-1,2-Dichloroethene	1.06	0.0125	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
trans-1,2-Dichloroethene	1.09	0.0125	0.0250	mg/kg wet	50	1.00	---	109	80-120%	---	---	
1,2-Dichloropropane	1.07	0.0125	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
1,3-Dichloropropane	1.02	0.0250	0.0500	mg/kg wet	50	1.00	---	102	80-120%	---	---	
2,2-Dichloropropane	1.63	0.0250	0.0500	mg/kg wet	50	1.00	---	**163**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1.15	0.0250	0.0500	mg/kg wet	50	1.00	---	115	80-120%	---	---	
cis-1,3-Dichloropropene	1.11	0.0250	0.0500	mg/kg wet	50	1.00	---	111	80-120%	---	---	
trans-1,3-Dichloropropene	0.952	0.0500	0.100	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Ethylbenzene	1.08	0.0125	0.0250	mg/kg wet	50	1.00	---	108	80-120%	---	---	
Hexachlorobutadiene	1.14	0.0500	0.100	mg/kg wet	50	1.00	---	114	80-120%	---	---	
2-Hexanone	1.64	0.250	0.500	mg/kg wet	50	2.00	---	82	80-120%	---	---	
Isopropylbenzene	0.998	0.0250	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
4-Isopropyltoluene	1.08	0.0250	0.0500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
Methylene chloride	1.06	0.250	0.500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.73	0.250	0.500	mg/kg wet	50	2.00	---	87	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1.08	0.0250	0.0500	mg/kg wet	50	1.00	---	108	80-120%	---	---	
Naphthalene	0.966	0.0500	0.100	mg/kg wet	50	1.00	---	97	80-120%	---	---	
n-Propylbenzene	1.10	0.0125	0.0250	mg/kg wet	50	1.00	---	110	80-120%	---	---	
Styrene	0.957	0.0250	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1.04	0.0125	0.0250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
1,1,2,2-Tetrachloroethane	0.963	0.0250	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Tetrachloroethene (PCE)	1.18	0.0125	0.0250	mg/kg wet	50	1.00	---	118	80-120%	---	---	
Toluene	1.03	0.0250	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
1,2,3-Trichlorobenzene	1.12	0.125	0.250	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,2,4-Trichlorobenzene	1.04	0.125	0.250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
1,1,1-Trichloroethane	1.10	0.0125	0.0250	mg/kg wet	50	1.00	---	110	80-120%	---	---	
1,1,2-Trichloroethane	1.07	0.0125	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Trichloroethene (TCE)	1.28	0.0125	0.0250	mg/kg wet	50	1.00	---	**128**	**80-120%**	---	---	Q-56
Trichlorofluoromethane	0.604	0.0500	0.100	mg/kg wet	50	1.00	---	**60**	**80-120%**	---	---	Q-30
1,2,3-Trichloropropane	0.960	0.0250	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,2,4-Trimethylbenzene	1.05	0.0250	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,3,5-Trimethylbenzene	1.09	0.0250	0.0500	mg/kg wet	50	1.00	---	109	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
LCS (0120869-BS1)			Prepared: 12/23/20 09:00		Analyzed: 12/23/20 13:32							
Vinyl chloride	1.02	0.0125	0.0250	mg/kg wet	50	1.00	---	102	80-120%	---	---	
m,p-Xylene	1.95	0.0250	0.0500	mg/kg wet	50	2.00	---	98	80-120%	---	---	
o-Xylene	0.954	0.0125	0.0250	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 112 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*103 %*		*79-120 %*				*"*			
Duplicate (0120869-DUP1)			Prepared: 12/17/20 10:10		Analyzed: 12/23/20 18:58							
QC Source Sample: CB-1 (A0L0698-01)												
5035A/8260D												
Acetone	ND	2.23	4.47	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	0.223	0.447	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	0.0223	0.0447	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	0.223	0.447	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	2.23	2.23	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	1.12	2.23	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	1.12	2.23	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	2.23	2.23	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	0.559	1.12	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.223	0.447	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.559	1.12	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
Duplicate (0120869-DUP1)			Prepared: 12/17/20 10:10 Analyzed: 12/23/20 18:58									
QC Source Sample: CB-1 (A0L0698-01)												
1,2-Dichlorobenzene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.223	0.447	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.223	0.447	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	**0.0715**	0.0559	0.112	mg/kg dry	50	---	ND	---	---		**30%**	Q-05, J
Hexachlorobutadiene	ND	0.223	0.447	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	1.12	2.23	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.112	0.223	mg/kg dry	50	---	0.448	---	---	***	**30%**	Q-05
Methylene chloride	ND	1.12	2.23	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	1.12	2.23	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	**0.273**	0.223	0.447	mg/kg dry	50	---	0.336	---	---	21	30%	Q-05, J
n-Propylbenzene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	0.112	0.223	mg/kg dry	50	---	0.207	---	---	***	**30%**	Q-05
1,2,3-Trichlorobenzene	ND	0.559	1.12	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	0.559	1.12	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
Duplicate (0120869-DUP1)			Prepared: 12/17/20 10:10 Analyzed: 12/23/20 18:58									
QC Source Sample: CB-1 (A0L0698-01)												
1,1,2-Trichloroethane	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	0.223	0.447	mg/kg dry	50	---	ND	---	---	---	30%	Q-30
1,2,3-Trichloropropane	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.112	0.223	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	0.0559	0.112	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 106 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*108 %*		*79-120 %*				*"*			
Matrix Spike (0120869-MS1)			Prepared: 12/17/20 11:05 Analyzed: 12/23/20 20:47									
QC Source Sample: CB-4 DUP (A0L0698-05)												
Acetone	10.4	2.66	5.33	mg/kg dry	50	5.15	ND	**202**	**36-164%**	---	---	
Acrylonitrile	4.90	0.266	0.533	mg/kg dry	50	2.57	ND	**190**	**65-134%**	---	---	
Benzene	5.30	0.0266	0.0533	mg/kg dry	50	2.57	ND	**206**	**77-121%**	---	---	
Bromobenzene	5.41	0.0666	0.133	mg/kg dry	50	2.57	ND	**210**	**78-121%**	---	---	
Bromochloromethane	5.17	0.133	0.266	mg/kg dry	50	2.57	ND	**201**	**78-125%**	---	---	
Bromodichloromethane	5.47	0.133	0.266	mg/kg dry	50	2.57	ND	**212**	**75-127%**	---	---	
Bromoform	5.25	0.266	0.533	mg/kg dry	50	2.57	ND	**204**	**67-132%**	---	---	
Bromomethane	5.78	2.66	2.66	mg/kg dry	50	2.57	ND	**225**	**53-143%**	---	---	
2-Butanone (MEK)	10.3	1.33	2.66	mg/kg dry	50	5.15	ND	**200**	**51-148%**	---	---	
n-Butylbenzene	5.07	0.133	0.266	mg/kg dry	50	2.57	ND	**197**	**70-128%**	---	---	
sec-Butylbenzene	5.18	0.133	0.266	mg/kg dry	50	2.57	ND	**201**	**73-126%**	---	---	
tert-Butylbenzene	5.11	0.133	0.266	mg/kg dry	50	2.57	ND	**199**	**73-125%**	---	---	
Carbon disulfide	5.45	1.33	2.66	mg/kg dry	50	2.57	ND	**212**	**63-132%**	---	---	
Carbon tetrachloride	5.93	0.133	0.266	mg/kg dry	50	2.57	ND	**230**	**70-135%**	---	---	
Chlorobenzene	5.43	0.0666	0.133	mg/kg dry	50	2.57	ND	**211**	**79-120%**	---	---	
Chloroethane	5.37	2.66	2.66	mg/kg dry	50	2.57	ND	**209**	**59-139%**	---	---	Q-54h
Chloroform	5.41	0.133	0.266	mg/kg dry	50	2.57	ND	**210**	**78-123%**	---	---	
Chloromethane	4.49	0.666	1.33	mg/kg dry	50	2.57	ND	**174**	**50-136%**	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
Matrix Spike (0120869-MS1)			Prepared: 12/17/20 11:05		Analyzed: 12/23/20 20:47							
QC Source Sample: CB-4 DUP (A0L0698-05)												
2-Chlorotoluene	5.53	0.133	0.266	mg/kg dry	50	2.57	ND	**215**	**75-122%**	---	---	
4-Chlorotoluene	5.23	0.133	0.266	mg/kg dry	50	2.57	ND	**203**	**72-124%**	---	---	
Dibromochloromethane	5.63	0.266	0.533	mg/kg dry	50	2.57	ND	**219**	**74-126%**	---	---	
1,2-Dibromo-3-chloropropane	5.21	0.666	1.33	mg/kg dry	50	2.57	ND	**202**	**61-132%**	---	---	
1,2-Dibromoethane (EDB)	5.75	0.133	0.266	mg/kg dry	50	2.57	ND	**224**	**78-122%**	---	---	
Dibromomethane	5.36	0.133	0.266	mg/kg dry	50	2.57	ND	**208**	**78-125%**	---	---	
1,2-Dichlorobenzene	5.65	0.0666	0.133	mg/kg dry	50	2.57	ND	**219**	**78-121%**	---	---	
1,3-Dichlorobenzene	5.69	0.0666	0.133	mg/kg dry	50	2.57	ND	**221**	**77-121%**	---	---	
1,4-Dichlorobenzene	5.29	0.0666	0.133	mg/kg dry	50	2.57	ND	**205**	**75-120%**	---	---	
Dichlorodifluoromethane	5.35	0.266	0.533	mg/kg dry	50	2.57	ND	**208**	**29-149%**	---	---	
1,1-Dichloroethane	5.26	0.0666	0.133	mg/kg dry	50	2.57	ND	**204**	**76-125%**	---	---	
1,2-Dichloroethane (EDC)	5.12	0.0666	0.133	mg/kg dry	50	2.57	ND	**199**	**73-128%**	---	---	
1,1-Dichloroethene	5.22	0.0666	0.133	mg/kg dry	50	2.57	ND	**203**	**70-131%**	---	---	
cis-1,2-Dichloroethene	5.20	0.0666	0.133	mg/kg dry	50	2.57	ND	**202**	**77-123%**	---	---	
trans-1,2-Dichloroethene	5.22	0.0666	0.133	mg/kg dry	50	2.57	ND	**203**	**74-125%**	---	---	
1,2-Dichloropropane	4.87	0.0666	0.133	mg/kg dry	50	2.57	ND	**189**	**76-123%**	---	---	
1,3-Dichloropropane	5.30	0.133	0.266	mg/kg dry	50	2.57	ND	**206**	**77-121%**	---	---	
2,2-Dichloropropane	7.05	0.133	0.266	mg/kg dry	50	2.57	ND	**274**	**67-133%**	---	---	Q-54d
1,1-Dichloropropene	5.54	0.133	0.266	mg/kg dry	50	2.57	ND	**215**	**76-125%**	---	---	
cis-1,3-Dichloropropene	5.62	0.133	0.266	mg/kg dry	50	2.57	ND	**218**	**74-126%**	---	---	
trans-1,3-Dichloropropene	5.36	0.266	0.533	mg/kg dry	50	2.57	ND	**208**	**71-130%**	---	---	
Ethylbenzene	5.56	0.0666	0.133	mg/kg dry	50	2.57	ND	**216**	**76-122%**	---	---	
Hexachlorobutadiene	5.69	0.266	0.533	mg/kg dry	50	2.57	ND	**221**	**61-135%**	---	---	
2-Hexanone	11.2	1.33	2.66	mg/kg dry	50	5.15	ND	**218**	**53-145%**	---	---	
Isopropylbenzene	5.13	0.133	0.266	mg/kg dry	50	2.57	ND	**199**	**68-134%**	---	---	
4-Isopropyltoluene	5.11	0.133	0.266	mg/kg dry	50	2.57	ND	**199**	**73-127%**	---	---	
Methylene chloride	5.13	1.33	2.66	mg/kg dry	50	2.57	ND	**199**	**70-128%**	---	---	
4-Methyl-2-pentanone (MiBK)	10.8	1.33	2.66	mg/kg dry	50	5.15	ND	**209**	**65-135%**	---	---	
Methyl tert-butyl ether (MTBE)	5.46	0.133	0.266	mg/kg dry	50	2.57	ND	**212**	**73-125%**	---	---	
Naphthalene	4.92	0.266	0.533	mg/kg dry	50	2.57	ND	**191**	**62-129%**	---	---	
n-Propylbenzene	5.12	0.0666	0.133	mg/kg dry	50	2.57	ND	**199**	**73-125%**	---	---	
Styrene	5.19	0.133	0.266	mg/kg dry	50	2.57	ND	**202**	**76-124%**	---	---	
1,1,1,2-Tetrachloroethane	5.69	0.0666	0.133	mg/kg dry	50	2.57	ND	**221**	**78-125%**	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120869 - EPA 5035A							**Soil**					
Matrix Spike (0120869-MS1)			Prepared: 12/17/20 11:05		Analyzed: 12/23/20 20:47							
QC Source Sample: CB-4 DUP (A0L0698-05)												
1,1,2,2-Tetrachloroethane	5.04	0.133	0.266	mg/kg dry	50	2.57	ND	**196**	**70-124%**	---	---	
Tetrachloroethene (PCE)	5.98	0.0666	0.133	mg/kg dry	50	2.57	ND	**232**	**73-128%**	---	---	
Toluene	5.23	0.133	0.266	mg/kg dry	50	2.57	ND	**203**	**77-121%**	---	---	
1,2,3-Trichlorobenzene	5.65	0.666	1.33	mg/kg dry	50	2.57	ND	**219**	**66-130%**	---	---	
1,2,4-Trichlorobenzene	5.21	0.666	1.33	mg/kg dry	50	2.57	ND	**203**	**67-129%**	---	---	
1,1,1-Trichloroethane	5.82	0.0666	0.133	mg/kg dry	50	2.57	ND	**226**	**73-130%**	---	---	
1,1,2-Trichloroethane	5.58	0.0666	0.133	mg/kg dry	50	2.57	ND	**217**	**78-121%**	---	---	
Trichloroethene (TCE)	5.76	0.0666	0.133	mg/kg dry	50	2.57	ND	**224**	**77-123%**	---	---	Q-54e
Trichlorofluoromethane	11.0	0.266	0.533	mg/kg dry	50	2.57	ND	**426**	**62-140%**	---	---	Q-30
1,2,3-Trichloropropane	5.45	0.133	0.266	mg/kg dry	50	2.57	ND	**212**	**73-125%**	---	---	
1,2,4-Trimethylbenzene	5.09	0.133	0.266	mg/kg dry	50	2.57	ND	**198**	**75-123%**	---	---	
1,3,5-Trimethylbenzene	5.27	0.133	0.266	mg/kg dry	50	2.57	ND	**205**	**73-124%**	---	---	
Vinyl chloride	5.01	0.0666	0.133	mg/kg dry	50	2.57	ND	**195**	**56-135%**	---	---	
m,p-Xylene	10.4	0.133	0.266	mg/kg dry	50	5.15	ND	**202**	**77-124%**	---	---	
o-Xylene	5.08	0.0666	0.133	mg/kg dry	50	2.57	ND	**197**	**77-123%**	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*97 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Blank (0120899-BLK1)			Prepared: 12/28/20 09:00 Analyzed: 12/28/20 12:05									
5035A/8260D												
Acetone	ND	0.333	0.667	mg/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Benzene	ND	0.00333	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	0.333	0.333	mg/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	0.333	0.333	mg/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	0.167	0.167	mg/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Blank (0120899-BLK1)			Prepared: 12/28/20 09:00 Analyzed: 12/28/20 12:05									
1,2-Dichloropropane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	0.333	0.333	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	0.167	0.333	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	0.0333	0.0667	mg/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Styrene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	0.0833	0.167	mg/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	0.0667	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	0.0167	0.0333	mg/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	0.00833	0.0167	mg/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 107 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Blank (0120899-BLK1)				Prepared: 12/28/20 09:00 Analyzed: 12/28/20 12:05								
Surr: Toluene-d8 (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*107 %*	*79-120 %*			*"*					
LCS (0120899-BS1)				Prepared: 12/28/20 09:00 Analyzed: 12/28/20 11:11								
5035A/8260D												
Acetone	1.66	0.500	1.00	mg/kg wet	50	2.00	---	83	80-120%	---	---	
Acrylonitrile	0.872	0.0500	0.100	mg/kg wet	50	1.00	---	87	80-120%	---	---	
Benzene	1.03	0.00500	0.0100	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Bromobenzene	1.07	0.0125	0.0250	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Bromochloromethane	0.894	0.0250	0.0500	mg/kg wet	50	1.00	---	89	80-120%	---	---	
Bromodichloromethane	0.996	0.0250	0.0500	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Bromoform	0.952	0.0500	0.100	mg/kg wet	50	1.00	---	95	80-120%	---	---	
Bromomethane	0.920	0.500	0.500	mg/kg wet	50	1.00	---	92	80-120%	---	---	
2-Butanone (MEK)	1.64	0.250	0.500	mg/kg wet	50	2.00	---	82	80-120%	---	---	
n-Butylbenzene	1.03	0.0250	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
sec-Butylbenzene	1.04	0.0250	0.0500	mg/kg wet	50	1.00	---	104	80-120%	---	---	
tert-Butylbenzene	0.990	0.0250	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Carbon disulfide	0.994	0.250	0.500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Carbon tetrachloride	1.07	0.0250	0.0500	mg/kg wet	50	1.00	---	107	80-120%	---	---	
Chlorobenzene	0.990	0.0125	0.0250	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Chloroethane	0.654	0.500	0.500	mg/kg wet	50	1.00	---	**65**	**80-120%**	---	---	Q-55
Chloroform	0.990	0.0250	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Chloromethane	0.782	0.250	0.250	mg/kg wet	50	1.00	---	**78**	**80-120%**	---	---	Q-55
2-Chlorotoluene	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
4-Chlorotoluene	0.994	0.0250	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
Dibromochloromethane	1.01	0.0500	0.100	mg/kg wet	50	1.00	---	101	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.939	0.125	0.250	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,2-Dibromoethane (EDB)	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
Dibromomethane	0.994	0.0250	0.0500	mg/kg wet	50	1.00	---	99	80-120%	---	---	
1,2-Dichlorobenzene	1.06	0.0125	0.0250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
1,3-Dichlorobenzene	1.09	0.0125	0.0250	mg/kg wet	50	1.00	---	109	80-120%	---	---	
1,4-Dichlorobenzene	1.00	0.0125	0.0250	mg/kg wet	50	1.00	---	100	80-120%	---	---	
Dichlorodifluoromethane	0.807	0.0500	0.100	mg/kg wet	50	1.00	---	81	80-120%	---	---	
1,1-Dichloroethane	0.960	0.0125	0.0250	mg/kg wet	50	1.00	---	96	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
LCS (0120899-BS1)			Prepared: 12/28/20 09:00 Analyzed: 12/28/20 11:11									
1,2-Dichloroethane (EDC)	0.907	0.0125	0.0250	mg/kg wet	50	1.00	---	91	80-120%	---	---	
1,1-Dichloroethene	0.882	0.0125	0.0250	mg/kg wet	50	1.00	---	88	80-120%	---	---	
cis-1,2-Dichloroethene	0.972	0.0125	0.0250	mg/kg wet	50	1.00	---	97	80-120%	---	---	
trans-1,2-Dichloroethene	0.982	0.0125	0.0250	mg/kg wet	50	1.00	---	98	80-120%	---	---	
1,2-Dichloropropane	0.948	0.0125	0.0250	mg/kg wet	50	1.00	---	95	80-120%	---	---	
1,3-Dichloropropane	0.960	0.0250	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
2,2-Dichloropropane	1.56	0.0250	0.0500	mg/kg wet	50	1.00	---	**156**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1.06	0.0250	0.0500	mg/kg wet	50	1.00	---	106	80-120%	---	---	
cis-1,3-Dichloropropene	1.05	0.0250	0.0500	mg/kg wet	50	1.00	---	105	80-120%	---	---	
trans-1,3-Dichloropropene	0.965	0.0500	0.100	mg/kg wet	50	1.00	---	96	80-120%	---	---	
Ethylbenzene	1.01	0.0125	0.0250	mg/kg wet	50	1.00	---	101	80-120%	---	---	
Hexachlorobutadiene	1.16	0.0500	0.100	mg/kg wet	50	1.00	---	116	80-120%	---	---	
2-Hexanone	1.53	0.500	0.500	mg/kg wet	50	2.00	---	**77**	**80-120%**	---	---	Q-55
Isopropylbenzene	0.945	0.0250	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
4-Isopropyltoluene	1.01	0.0250	0.0500	mg/kg wet	50	1.00	---	101	80-120%	---	---	
Methylene chloride	0.920	0.250	0.500	mg/kg wet	50	1.00	---	92	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	1.64	0.250	0.500	mg/kg wet	50	2.00	---	82	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1.03	0.0250	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	
Naphthalene	0.961	0.0500	0.100	mg/kg wet	50	1.00	---	96	80-120%	---	---	
n-Propylbenzene	1.01	0.0125	0.0250	mg/kg wet	50	1.00	---	101	80-120%	---	---	
Styrene	0.898	0.0250	0.0500	mg/kg wet	50	1.00	---	90	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1.02	0.0125	0.0250	mg/kg wet	50	1.00	---	102	80-120%	---	---	
1,1,2,2-Tetrachloroethane	0.908	0.0250	0.0500	mg/kg wet	50	1.00	---	91	80-120%	---	---	
Tetrachloroethene (PCE)	1.14	0.0125	0.0250	mg/kg wet	50	1.00	---	114	80-120%	---	---	
Toluene	0.957	0.0250	0.0500	mg/kg wet	50	1.00	---	96	80-120%	---	---	
1,2,3-Trichlorobenzene	1.12	0.125	0.250	mg/kg wet	50	1.00	---	112	80-120%	---	---	
1,2,4-Trichlorobenzene	1.06	0.125	0.250	mg/kg wet	50	1.00	---	106	80-120%	---	---	
1,1,1-Trichloroethane	1.05	0.0125	0.0250	mg/kg wet	50	1.00	---	105	80-120%	---	---	
1,1,2-Trichloroethane	1.04	0.0125	0.0250	mg/kg wet	50	1.00	---	104	80-120%	---	---	
Trichloroethene (TCE)	1.13	0.0125	0.0250	mg/kg wet	50	1.00	---	113	80-120%	---	---	
Trichlorofluoromethane	0.704	0.100	0.100	mg/kg wet	50	1.00	---	**70**	**80-120%**	---	---	Q-55
1,2,3-Trichloropropane	0.938	0.0250	0.0500	mg/kg wet	50	1.00	---	94	80-120%	---	---	
1,2,4-Trimethylbenzene	0.984	0.0250	0.0500	mg/kg wet	50	1.00	---	98	80-120%	---	---	
1,3,5-Trimethylbenzene	1.03	0.0250	0.0500	mg/kg wet	50	1.00	---	103	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
LCS (0120899-BS1)			Prepared: 12/28/20 09:00		Analyzed: 12/28/20 11:11							
Vinyl chloride	0.832	0.0125	0.0250	mg/kg wet	50	1.00	---	83	80-120%	---	---	
m,p-Xylene	1.85	0.0250	0.0500	mg/kg wet	50	2.00	---	92	80-120%	---	---	
o-Xylene	0.902	0.0125	0.0250	mg/kg wet	50	1.00	---	90	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*103 %*		*79-120 %*				*"*			
Duplicate (0120899-DUP1)			Prepared: 12/21/20 12:41		Analyzed: 12/28/20 16:11							
QC Source Sample: Non-SDG (A0L0839-05)												
Acetone	ND	0.679	1.36	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	0.0679	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	0.00679	0.0136	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	0.0679	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	0.679	0.679	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	0.339	0.679	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	0.339	0.679	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	0.679	0.679	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	0.339	0.339	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.0679	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.170	0.339	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Duplicate (0120899-DUP1)			Prepared: 12/21/20 12:41		Analyzed: 12/28/20 16:11							
QC Source Sample: Non-SDG (A0L0839-05)												
1,3-Dichlorobenzene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.0679	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.0679	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	0.0679	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	0.679	0.679	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	0.339	0.679	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	0.339	0.679	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	0.0679	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	0.170	0.339	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	0.170	0.339	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Duplicate (0120899-DUP1)			Prepared: 12/21/20 12:41 Analyzed: 12/28/20 16:11									
QC Source Sample: Non-SDG (A0L0839-05)												
Trichloroethene (TCE)	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	0.136	0.136	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.0339	0.0679	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	0.0170	0.0339	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*98 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*106 %*	*79-120 %*			*"*					
Duplicate (0120899-DUP2)			Prepared: 12/21/20 14:25 Analyzed: 12/28/20 22:31									
QC Source Sample: Non-SDG (A0L0888-02)												
Acetone	ND	0.929	1.86	mg/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	0.0929	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	0.00929	0.0186	mg/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	0.0929	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	0.929	0.929	mg/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	0.464	0.929	mg/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	0.464	0.929	mg/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	0.929	0.929	mg/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	0.464	0.464	mg/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Duplicate (0120899-DUP2)			Prepared: 12/21/20 14:25		Analyzed: 12/28/20 22:31							
QC Source Sample: Non-SDG (A0L0888-02)												
4-Chlorotoluene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.0929	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.232	0.464	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.0929	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.0929	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	0.0929	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	0.929	0.929	mg/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	0.464	0.929	mg/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	0.464	0.929	mg/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	0.0929	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Duplicate (0120899-DUP2)			Prepared: 12/21/20 14:25 Analyzed: 12/28/20 22:31									
QC Source Sample: Non-SDG (A0L0888-02)												
Tetrachloroethene (PCE)	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	0.232	0.464	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	0.232	0.464	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	0.186	0.186	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.0464	0.0929	mg/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	0.0232	0.0464	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 119 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*99 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*107 %*	*79-120 %*			*"*					
Matrix Spike (0120899-MS1)			Prepared: 12/22/20 09:07 Analyzed: 12/28/20 17:32									
QC Source Sample: Non-SDG (A0L0839-08)												
5035A/8260D												
Acetone	2.05	0.728	1.46	mg/kg dry	50	2.92	ND	70	36-164%	---	---	
Acrylonitrile	0.908	0.0728	0.146	mg/kg dry	50	1.46	ND	**62**	**65-134%**	---	---	Q-01
Benzene	1.41	0.00728	0.0146	mg/kg dry	50	1.46	ND	97	77-121%	---	---	
Bromobenzene	1.50	0.0182	0.0364	mg/kg dry	50	1.46	ND	103	78-121%	---	---	
Bromochloromethane	1.27	0.0364	0.0728	mg/kg dry	50	1.46	ND	87	78-125%	---	---	
Bromodichloromethane	1.41	0.0364	0.0728	mg/kg dry	50	1.46	ND	97	75-127%	---	---	
Bromoform	1.39	0.0728	0.146	mg/kg dry	50	1.46	ND	95	67-132%	---	---	
Bromomethane	1.21	0.728	0.728	mg/kg dry	50	1.46	ND	83	53-143%	---	---	
2-Butanone (MEK)	1.73	0.364	0.728	mg/kg dry	50	2.92	ND	59	51-148%	---	---	
n-Butylbenzene	1.37	0.0364	0.0728	mg/kg dry	50	1.46	ND	94	70-128%	---	---	
sec-Butylbenzene	1.43	0.0364	0.0728	mg/kg dry	50	1.46	ND	98	73-126%	---	---	
tert-Butylbenzene	1.40	0.0364	0.0728	mg/kg dry	50	1.46	ND	96	73-125%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Matrix Spike (0120899-MS1)			Prepared: 12/22/20 09:07		Analyzed: 12/28/20 17:32							
QC Source Sample: Non-SDG (A0L0839-08)												
Carbon disulfide	1.29	0.364	0.728	mg/kg dry	50	1.46	ND	88	63-132%	---	---	
Carbon tetrachloride	1.52	0.0364	0.0728	mg/kg dry	50	1.46	ND	104	70-135%	---	---	
Chlorobenzene	1.44	0.0182	0.0364	mg/kg dry	50	1.46	ND	98	79-120%	---	---	
Chloroethane	1.15	0.728	0.728	mg/kg dry	50	1.46	ND	79	59-139%	---	---	Q-54i
Chloroform	1.41	0.0364	0.0728	mg/kg dry	50	1.46	ND	97	78-123%	---	---	
Chloromethane	1.08	0.364	0.364	mg/kg dry	50	1.46	ND	74	50-136%	---	---	Q-54j
2-Chlorotoluene	1.49	0.0364	0.0728	mg/kg dry	50	1.46	ND	102	75-122%	---	---	
4-Chlorotoluene	1.41	0.0364	0.0728	mg/kg dry	50	1.46	ND	97	72-124%	---	---	
Dibromochloromethane	1.46	0.0728	0.146	mg/kg dry	50	1.46	ND	100	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1.39	0.182	0.364	mg/kg dry	50	1.46	ND	95	61-132%	---	---	
1,2-Dibromoethane (EDB)	1.51	0.0364	0.0728	mg/kg dry	50	1.46	ND	103	78-122%	---	---	
Dibromomethane	1.35	0.0364	0.0728	mg/kg dry	50	1.46	ND	92	78-125%	---	---	
1,2-Dichlorobenzene	1.53	0.0182	0.0364	mg/kg dry	50	1.46	ND	105	78-121%	---	---	
1,3-Dichlorobenzene	1.55	0.0182	0.0364	mg/kg dry	50	1.46	ND	106	77-121%	---	---	
1,4-Dichlorobenzene	1.45	0.0182	0.0364	mg/kg dry	50	1.46	ND	99	75-120%	---	---	
Dichlorodifluoromethane	0.871	0.0728	0.146	mg/kg dry	50	1.46	ND	60	29-149%	---	---	
1,1-Dichloroethane	1.36	0.0182	0.0364	mg/kg dry	50	1.46	ND	93	76-125%	---	---	
1,2-Dichloroethane (EDC)	1.34	0.0182	0.0364	mg/kg dry	50	1.46	ND	92	73-128%	---	---	
1,1-Dichloroethene	1.26	0.0182	0.0364	mg/kg dry	50	1.46	ND	87	70-131%	---	---	
cis-1,2-Dichloroethene	1.36	0.0182	0.0364	mg/kg dry	50	1.46	ND	94	77-123%	---	---	
trans-1,2-Dichloroethene	1.37	0.0182	0.0364	mg/kg dry	50	1.46	ND	94	74-125%	---	---	
1,2-Dichloropropane	1.30	0.0182	0.0364	mg/kg dry	50	1.46	ND	89	76-123%	---	---	
1,3-Dichloropropane	1.39	0.0364	0.0728	mg/kg dry	50	1.46	ND	95	77-121%	---	---	
2,2-Dichloropropane	1.80	0.0364	0.0728	mg/kg dry	50	1.46	ND	124	67-133%	---	---	Q-54c
1,1-Dichloropropene	1.39	0.0364	0.0728	mg/kg dry	50	1.46	ND	95	76-125%	---	---	
cis-1,3-Dichloropropene	1.48	0.0364	0.0728	mg/kg dry	50	1.46	ND	101	74-126%	---	---	
trans-1,3-Dichloropropene	1.37	0.0728	0.146	mg/kg dry	50	1.46	ND	94	71-130%	---	---	
Ethylbenzene	1.46	0.0182	0.0364	mg/kg dry	50	1.46	ND	100	76-122%	---	---	
Hexachlorobutadiene	1.49	0.0728	0.146	mg/kg dry	50	1.46	ND	102	61-135%	---	---	
2-Hexanone	2.45	0.728	0.728	mg/kg dry	50	2.92	ND	84	53-145%	---	---	Q-54k
Isopropylbenzene	1.36	0.0364	0.0728	mg/kg dry	50	1.46	ND	93	68-134%	---	---	
4-Isopropyltoluene	1.36	0.0364	0.0728	mg/kg dry	50	1.46	ND	93	73-127%	---	---	
Methylene chloride	1.28	0.364	0.728	mg/kg dry	50	1.46	ND	88	70-128%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 0120899 - EPA 5035A							**Soil**					
Matrix Spike (0120899-MS1)			Prepared: 12/22/20 09:07 Analyzed: 12/28/20 17:32									
QC Source Sample: Non-SDG (A0L0839-08)												
4-Methyl-2-pentanone (MiBK)	2.56	0.364	0.728	mg/kg dry	50	2.92	ND	88	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1.39	0.0364	0.0728	mg/kg dry	50	1.46	ND	95	73-125%	---	---	
Naphthalene	1.31	0.0728	0.146	mg/kg dry	50	1.46	ND	90	62-129%	---	---	
n-Propylbenzene	1.39	0.0182	0.0364	mg/kg dry	50	1.46	ND	95	73-125%	---	---	
Styrene	1.37	0.0364	0.0728	mg/kg dry	50	1.46	ND	94	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1.51	0.0182	0.0364	mg/kg dry	50	1.46	ND	104	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1.28	0.0364	0.0728	mg/kg dry	50	1.46	ND	88	70-124%	---	---	
Tetrachloroethene (PCE)	1.62	0.0182	0.0364	mg/kg dry	50	1.46	ND	111	73-128%	---	---	
Toluene	1.36	0.0364	0.0728	mg/kg dry	50	1.46	ND	93	77-121%	---	---	
1,2,3-Trichlorobenzene	1.53	0.182	0.364	mg/kg dry	50	1.46	ND	105	66-130%	---	---	
1,2,4-Trichlorobenzene	1.42	0.182	0.364	mg/kg dry	50	1.46	ND	98	67-129%	---	---	
1,1,1-Trichloroethane	1.50	0.0182	0.0364	mg/kg dry	50	1.46	ND	103	73-130%	---	---	
1,1,2-Trichloroethane	1.46	0.0182	0.0364	mg/kg dry	50	1.46	ND	100	78-121%	---	---	
Trichloroethene (TCE)	1.55	0.0182	0.0364	mg/kg dry	50	1.46	ND	106	77-123%	---	---	
Trichlorofluoromethane	1.64	0.146	0.146	mg/kg dry	50	1.46	ND	113	62-140%	---	---	Q-54g
1,2,3-Trichloropropane	1.39	0.0364	0.0728	mg/kg dry	50	1.46	ND	95	73-125%	---	---	
1,2,4-Trimethylbenzene	1.39	0.0364	0.0728	mg/kg dry	50	1.46	ND	96	75-123%	---	---	
1,3,5-Trimethylbenzene	1.43	0.0364	0.0728	mg/kg dry	50	1.46	ND	98	73-124%	---	---	
Vinyl chloride	1.08	0.0182	0.0364	mg/kg dry	50	1.46	ND	74	56-135%	---	---	
m,p-Xylene	2.72	0.0364	0.0728	mg/kg dry	50	2.92	ND	93	77-124%	---	---	
o-Xylene	1.32	0.0182	0.0364	mg/kg dry	50	1.46	ND	91	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0121020 - EPA 3546							**Solid**					
Blank (0121020-BLK1)			Prepared: 12/31/20 06:56		Analyzed: 12/31/20 16:22							**C-07**
EPA 8082A												
Aroclor 1016	ND	0.00667	0.0133	mg/kg	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.00667	0.0133	mg/kg	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.00667	0.0133	mg/kg	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.00667	0.0133	mg/kg	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.00667	0.0133	mg/kg	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.00667	0.0133	mg/kg	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.00667	0.0133	mg/kg	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 104 %*		*Limits: 60-125 %*				*Dilution: 1x*			
LCS (0121020-BS1)			Prepared: 12/31/20 06:56		Analyzed: 12/31/20 16:39							**C-07**
EPA 8082A												
Aroclor 1016	1.10	0.0100	0.0200	mg/kg	1	1.25	---	88	47-134%	---	---	
Aroclor 1260	1.37	0.0100	0.0200	mg/kg	1	1.25	---	110	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 109 %*		*Limits: 60-125 %*				*Dilution: 1x*			
Duplicate (0121020-DUP2)			Prepared: 12/31/20 06:56		Analyzed: 01/04/21 08:54							**C-07**
QC Source Sample: CB-1 (A0L0698-01RE1)												
EPA 8082A												
Aroclor 1016	ND	0.00935	0.0187	mg/kg	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	0.00935	0.0187	mg/kg	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	0.0187	0.0187	mg/kg	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	0.00935	0.0187	mg/kg	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	0.00935	0.0187	mg/kg	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	0.00935	0.0187	mg/kg	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	0.00935	0.0187	mg/kg	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 79 %*		*Limits: 60-125 %*				*Dilution: 1x*			
Matrix Spike (0121020-MS2)			Prepared: 12/31/20 06:56		Analyzed: 01/04/21 10:05							**C-07**
QC Source Sample: CB-7 (A0L0698-08RE1)												
EPA 8082A												
Aroclor 1016	0.915	0.00935	0.0187	mg/kg	1	1.17	ND	78	47-134%	---	---	
Aroclor 1260	1.15	0.00935	0.0187	mg/kg	1	1.17	0.0502	94	53-140%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0121020 - EPA 3546							**Solid**					
Matrix Spike (0121020-MS2)			Prepared: 12/31/20 06:56 Analyzed: 01/04/21 10:05									**C-07**
QC Source Sample: CB-7 (A0L0698-08RE1)												
Surr: Decachlorobiphenyl (Surr)			*Recovery: 96 %*	*Limits: 60-125 %*			*Dilution: 1x*					

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0121015 - EPA 3546							**Solid**					
Blank (0121015-BLK1)			Prepared: 12/30/20 11:45		Analyzed: 12/31/20 13:20							**C-05**
EPA 8081B												
Aldrin	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
alpha-BHC	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
beta-BHC	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
delta-BHC	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
gamma-BHC (Lindane)	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
cis-Chlordane	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
trans-Chlordane	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Dieldrin	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Endosulfan I	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Endosulfan II	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Endosulfan sulfate	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Endrin	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Endrin Aldehyde	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Endrin ketone	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Heptachlor	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Heptachlor epoxide	ND	0.00333	0.00667	mg/kg	1	---	---	---	---	---	---	
Methoxychlor	ND	0.0100	0.0200	mg/kg	1	---	---	---	---	---	---	
Chlordane (Technical)	ND	0.100	0.200	mg/kg	1	---	---	---	---	---	---	
Toxaphene (Total)	ND	0.100	0.200	mg/kg	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 60 %*		*Limits: 42-129 %*				*Dilution: 1x*			
Decachlorobiphenyl (Surr)			*90 %*		*55-130 %*				*"*			
LCS (0121015-BS1)			Prepared: 12/30/20 11:45		Analyzed: 12/31/20 13:38							**C-05**
EPA 8081B												
Aldrin	0.159	0.00500	0.0100	mg/kg	1	0.250	---	63	45-136%	---	---	
alpha-BHC	0.207	0.00500	0.0100	mg/kg	1	0.250	---	83	45-137%	---	---	
beta-BHC	0.205	0.00500	0.0100	mg/kg	1	0.250	---	82	50-136%	---	---	
delta-BHC	0.232	0.00500	0.0100	mg/kg	1	0.250	---	93	47-139%	---	---	
gamma-BHC (Lindane)	0.208	0.00500	0.0100	mg/kg	1	0.250	---	83	49-135%	---	---	
cis-Chlordane	0.218	0.00500	0.0100	mg/kg	1	0.250	---	87	54-133%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0121015 - EPA 3546							**Solid**					
LCS (0121015-BS1)			Prepared: 12/30/20 11:45		Analyzed: 12/31/20 13:38							**C-05**
trans-Chlordane	0.213	0.00500	0.0100	mg/kg	1	0.250	---	85	53-135%	---	---	
4,4'-DDD	0.268	0.00500	0.0100	mg/kg	1	0.250	---	107	56-139%	---	---	
4,4'-DDE	0.246	0.00500	0.0100	mg/kg	1	0.250	---	98	56-134%	---	---	
4,4'-DDT	0.305	0.00500	0.0100	mg/kg	1	0.250	---	122	50-141%	---	---	
Dieldrin	0.258	0.00500	0.0100	mg/kg	1	0.250	---	103	56-136%	---	---	
Endosulfan I	0.239	0.00500	0.0100	mg/kg	1	0.250	---	96	53-132%	---	---	
Endosulfan II	0.272	0.00500	0.0100	mg/kg	1	0.250	---	109	53-134%	---	---	
Endosulfan sulfate	0.280	0.00500	0.0100	mg/kg	1	0.250	---	112	55-136%	---	---	
Endrin	0.278	0.00500	0.0100	mg/kg	1	0.250	---	111	57-140%	---	---	
Endrin Aldehyde	0.220	0.00500	0.0100	mg/kg	1	0.250	---	88	35-137%	---	---	
Endrin ketone	0.293	0.00500	0.0100	mg/kg	1	0.250	---	117	55-136%	---	---	
Heptachlor	0.208	0.00500	0.0100	mg/kg	1	0.250	---	83	47-136%	---	---	
Heptachlor epoxide	0.215	0.00500	0.0100	mg/kg	1	0.250	---	86	52-136%	---	---	
Methoxychlor	0.316	0.0150	0.0300	mg/kg	1	0.250	---	127	52-143%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 74 %*		*Limits: 42-129 %*				*Dilution: 1x*			
Decachlorobiphenyl (Surr)			*96 %*		*55-130 %*				*"*			
Duplicate (0121015-DUP1)			Prepared: 12/30/20 11:45		Analyzed: 12/31/20 14:29							**C-05, R-04**
QC Source Sample: CB-1 (A0L0698-01RE1)												
EPA 8081B												
Aldrin	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
alpha-BHC	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
beta-BHC	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
delta-BHC	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
gamma-BHC (Lindane)	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
cis-Chlordane	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
trans-Chlordane	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
4,4'-DDD	ND	0.0591	0.0591	mg/kg	2	---	ND	---	---	---	30%	R-02
4,4'-DDE	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
4,4'-DDT	ND	0.160	0.160	mg/kg	2	---	ND	---	---	---	30%	R-02
Dieldrin	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
Endosulfan I	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
Endosulfan II	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
Endosulfan sulfate	ND	0.0338	0.0338	mg/kg	2	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0121015 - EPA 3546							**Solid**					
Duplicate (0121015-DUP1)			Prepared: 12/30/20 11:45		Analyzed: 12/31/20 14:29							**C-05, R-04**
QC Source Sample: CB-1 (A0L0698-01RE1)												
Endrin	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
Endrin Aldehyde	ND	0.0354	0.0354	mg/kg	2	---	ND	---	---	---	30%	R-02
Endrin ketone	ND	0.0338	0.0338	mg/kg	2	---	ND	---	---	---	30%	
Heptachlor	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
Heptachlor epoxide	ND	0.0169	0.0338	mg/kg	2	---	ND	---	---	---	30%	
Methoxychlor	ND	0.101	0.101	mg/kg	2	---	ND	---	---	---	30%	
Chlordane (Technical)	ND	0.506	1.01	mg/kg	2	---	ND	---	---	---	30%	
Toxaphene (Total)	ND	0.506	1.01	mg/kg	2	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 77 %*		*Limits: 42-129 %*				*Dilution: 2x*			
Decachlorobiphenyl (Surr)			*143 %*		*55-130 %*				*"*			S-03
Matrix Spike (0121015-MS1)			Prepared: 12/30/20 11:45		Analyzed: 01/04/21 13:54							**C-05**
QC Source Sample: CB-7 (A0L0698-08RE1)												
EPA 8081B												
Aldrin	0.151	0.00420	0.00840	mg/kg	1	0.210	ND	72	45-136%	---	---	
alpha-BHC	0.186	0.00420	0.00840	mg/kg	1	0.210	ND	89	45-137%	---	---	
beta-BHC	0.213	0.00840	0.00840	mg/kg	1	0.210	ND	101	50-136%	---	---	
delta-BHC	0.218	0.00420	0.00840	mg/kg	1	0.210	ND	104	47-139%	---	---	
gamma-BHC (Lindane)	0.190	0.00420	0.00840	mg/kg	1	0.210	ND	90	49-135%	---	---	
cis-Chlordane	0.188	0.00420	0.00840	mg/kg	1	0.210	ND	90	54-133%	---	---	
trans-Chlordane	0.185	0.0126	0.0126	mg/kg	1	0.210	ND	82	53-135%	---	---	R-02
4,4'-DDD	0.188	0.00420	0.00840	mg/kg	1	0.210	ND	89	56-139%	---	---	
4,4'-DDE	0.221	0.00420	0.00840	mg/kg	1	0.210	ND	105	56-134%	---	---	
4,4'-DDT	0.227	0.00840	0.00840	mg/kg	1	0.210	ND	108	50-141%	---	---	
Dieldrin	0.193	0.00420	0.00840	mg/kg	1	0.210	ND	92	56-136%	---	---	
Endosulfan I	0.193	0.00420	0.00840	mg/kg	1	0.210	ND	92	53-132%	---	---	
Endosulfan II	0.185	0.00420	0.00840	mg/kg	1	0.210	ND	88	53-134%	---	---	
Endosulfan sulfate	0.226	0.00420	0.00840	mg/kg	1	0.210	ND	108	55-136%	---	---	
Endrin	0.194	0.00420	0.00840	mg/kg	1	0.210	ND	93	57-140%	---	---	
Endrin Aldehyde	0.160	0.00420	0.00840	mg/kg	1	0.210	ND	76	35-137%	---	---	
Endrin ketone	0.205	0.00420	0.00840	mg/kg	1	0.210	ND	97	55-136%	---	---	
Heptachlor	0.196	0.00420	0.00840	mg/kg	1	0.210	ND	93	47-136%	---	---	
Heptachlor epoxide	0.187	0.00420	0.00840	mg/kg	1	0.210	ND	89	52-136%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0121015 - EPA 3546							**Solid**					
Matrix Spike (0121015-MS1)				Prepared: 12/30/20 11:45		Analyzed: 01/04/21 13:54						**C-05**
QC Source Sample: CB-7 (A0L0698-08RE1)												
Methoxychlor	0.265	0.0126	0.0252	mg/kg	1	0.210	ND	126	52-143%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 82 %*	*Limits: 42-129 %*			*Dilution: 1x*					
Decachlorobiphenyl (Surr)			*85 %*	*55-130 %*			*"*					

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0120994 - EPA 3546							**Solid**					
Blank (0120994-BLK1)			Prepared: 12/30/20 11:44 Analyzed: 12/30/20 16:41									
EPA 8270E												
Acenaphthene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Anthracene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0100	0.0200	mg/kg	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0100	0.0200	mg/kg	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0100	0.0200	mg/kg	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Chrysene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Fluorene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0134	0.0266	mg/kg	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0134	0.0266	mg/kg	1	---	---	---	---	---	---	
Naphthalene	ND	0.0134	0.0266	mg/kg	1	---	---	---	---	---	---	
Phenanthrene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Pyrene	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Carbazole	ND	0.0100	0.0200	mg/kg	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00665	0.0134	mg/kg	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.100	0.200	mg/kg	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.0665	0.134	mg/kg	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.0665	0.134	mg/kg	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.0665	0.134	mg/kg	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.0665	0.134	mg/kg	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.0665	0.134	mg/kg	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 88 %*		*Limits: 37-122 %*			*Dilution: 1x*				
2-Fluorobiphenyl (Surr)			*76 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*88 %*		*33-122 %*			*"*				
p-Terphenyl-d14 (Surr)			*92 %*		*54-127 %*			*"*				
2-Fluorophenol (Surr)			*77 %*		*35-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*78 %*		*39-132 %*			*"*				

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0120994 - EPA 3546							**Solid**					
LCS (0120994-BS1)			Prepared: 12/30/20 11:44		Analyzed: 12/30/20 17:18							**Q-18**
EPA 8270E												
Acenaphthene	3.69	0.0200	0.0401	mg/kg	2	4.00	---	92	40-123%	---	---	
Acenaphthylene	4.02	0.0200	0.0401	mg/kg	2	4.00	---	100	32-132%	---	---	
Anthracene	3.72	0.0200	0.0401	mg/kg	2	4.00	---	93	47-123%	---	---	
Benz(a)anthracene	3.67	0.0200	0.0401	mg/kg	2	4.00	---	92	49-126%	---	---	
Benzo(a)pyrene	3.59	0.0300	0.0600	mg/kg	2	4.00	---	90	45-129%	---	---	
Benzo(b)fluoranthene	3.55	0.0300	0.0600	mg/kg	2	4.00	---	89	45-132%	---	---	
Benzo(k)fluoranthene	3.67	0.0300	0.0600	mg/kg	2	4.00	---	92	47-132%	---	---	
Benzo(g,h,i)perylene	3.94	0.0200	0.0401	mg/kg	2	4.00	---	98	43-134%	---	---	
Chrysene	3.50	0.0200	0.0401	mg/kg	2	4.00	---	87	50-124%	---	---	
Dibenz(a,h)anthracene	3.70	0.0200	0.0401	mg/kg	2	4.00	---	92	45-134%	---	---	
Fluoranthene	3.81	0.0200	0.0401	mg/kg	2	4.00	---	95	50-127%	---	---	
Fluorene	3.66	0.0200	0.0401	mg/kg	2	4.00	---	92	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	3.64	0.0200	0.0401	mg/kg	2	4.00	---	91	45-133%	---	---	
1-Methylnaphthalene	3.60	0.0401	0.0800	mg/kg	2	4.00	---	90	40-120%	---	---	
2-Methylnaphthalene	3.65	0.0401	0.0800	mg/kg	2	4.00	---	91	38-122%	---	---	
Naphthalene	3.42	0.0401	0.0800	mg/kg	2	4.00	---	86	35-123%	---	---	
Phenanthrene	3.42	0.0200	0.0401	mg/kg	2	4.00	---	85	50-121%	---	---	
Pyrene	3.68	0.0200	0.0401	mg/kg	2	4.00	---	92	47-127%	---	---	
Carbazole	3.84	0.0300	0.0600	mg/kg	2	4.00	---	96	50-123%	---	---	
Dibenzofuran	3.58	0.0200	0.0401	mg/kg	2	4.00	---	90	44-120%	---	---	
Bis(2-ethylhexyl)phthalate	3.82	0.300	0.600	mg/kg	2	4.00	---	96	51-133%	---	---	
Butyl benzyl phthalate	4.07	0.200	0.401	mg/kg	2	4.00	---	102	48-132%	---	---	
Diethylphthalate	3.75	0.200	0.401	mg/kg	2	4.00	---	94	50-124%	---	---	
Dimethylphthalate	3.86	0.200	0.401	mg/kg	2	4.00	---	97	48-124%	---	---	
Di-n-butylphthalate	3.97	0.200	0.401	mg/kg	2	4.00	---	99	51-128%	---	---	
Di-n-octyl phthalate	4.06	0.200	0.401	mg/kg	2	4.00	---	101	45-140%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 85 %*		*Limits: 37-122 %*			*Dilution: 2x*				
2-Fluorobiphenyl (Surr)			*85 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*91 %*		*33-122 %*			*"*				
p-Terphenyl-d14 (Surr)			*92 %*		*54-127 %*			*"*				
2-Fluorophenol (Surr)			*82 %*		*35-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*98 %*		*39-132 %*			*"*				

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0120994 - EPA 3546							**Solid**					
Duplicate (0120994-DUP3)			Prepared: 12/30/20 11:44		Analyzed: 12/30/20 19:45							
QC Source Sample: CB-1 (A0L0698-01)												
EPA 8270E												
Acenaphthene	ND	0.911	1.83	mg/kg	40	---	0.957	---	---	***	**30%**	Q-17
Acenaphthylene	ND	0.911	1.83	mg/kg	40	---	ND	---	---	---	30%	
Anthracene	**3.54**	0.911	1.83	mg/kg	40	---	3.07	---	---	14	30%	
Benz(a)anthracene	**16.5**	0.911	1.83	mg/kg	40	---	14.4	---	---	13	30%	
Benzo(a)pyrene	**22.5**	1.37	2.74	mg/kg	40	---	21.4	---	---	5	30%	
Benzo(b)fluoranthene	**28.7**	1.37	2.74	mg/kg	40	---	27.3	---	---	5	30%	
Benzo(k)fluoranthene	**18.9**	1.37	2.74	mg/kg	40	---	18.6	---	---	2	30%	
Benzo(g,h,i)perylene	**21.5**	0.911	1.83	mg/kg	40	---	21.1	---	---	2	30%	
Chrysene	**27.7**	0.911	1.83	mg/kg	40	---	26.6	---	---	4	30%	
Dibenz(a,h)anthracene	**3.05**	0.911	1.83	mg/kg	40	---	2.90	---	---	5	30%	
Fluoranthene	**44.7**	0.911	1.83	mg/kg	40	---	41.2	---	---	8	30%	
Fluorene	**0.918**	0.911	1.83	mg/kg	40	---	ND	---	---		**30%**	Q-17, J
Indeno(1,2,3-cd)pyrene	**21.5**	0.911	1.83	mg/kg	40	---	21.1	---	---	2	30%	
1-Methylnaphthalene	ND	1.83	3.65	mg/kg	40	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	1.83	3.65	mg/kg	40	---	ND	---	---	---	30%	
Naphthalene	ND	1.83	3.65	mg/kg	40	---	ND	---	---	---	30%	
Phenanthrene	**18.0**	0.911	1.83	mg/kg	40	---	17.2	---	---	5	30%	
Pyrene	**41.0**	0.911	1.83	mg/kg	40	---	37.4	---	---	9	30%	
Carbazole	**5.98**	1.37	2.74	mg/kg	40	---	5.29	---	---	12	30%	
Dibenzofuran	ND	0.911	1.83	mg/kg	40	---	ND	---	---	---	30%	
Bis(2-ethylhexyl)phthalate	ND	13.7	27.4	mg/kg	40	---	ND	---	---	---	30%	
Butyl benzyl phthalate	ND	9.11	18.3	mg/kg	40	---	ND	---	---	---	30%	
Diethylphthalate	ND	9.11	18.3	mg/kg	40	---	ND	---	---	---	30%	
Dimethylphthalate	ND	9.11	18.3	mg/kg	40	---	ND	---	---	---	30%	
Di-n-butylphthalate	ND	9.11	18.3	mg/kg	40	---	ND	---	---	---	30%	
Di-n-octyl phthalate	ND	9.11	18.3	mg/kg	40	---	ND	---	---	---	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 56 %*		*Limits: 37-122 %*		*Dilution: 40x*					S-05
2-Fluorobiphenyl (Surr)			*71 %*		*44-120 %*		*"*					S-05
Phenol-d6 (Surr)			*64 %*		*33-122 %*		*"*					S-05
p-Terphenyl-d14 (Surr)			*85 %*		*54-127 %*		*"*					S-05
2-Fluorophenol (Surr)			*57 %*		*35-120 %*		*"*					S-05
2,4,6-Tribromophenol (Surr)			*186 %*		*39-132 %*		*"*					S-05

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0120994 - EPA 3546							**Solid**					

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012474 - EPA 3051A							**Solid**					
Blank (1012474-BLK1)			Prepared: 01/04/21 13:11 Analyzed: 01/04/21 15:39									
EPA 6020B												
Antimony	ND	0.481	0.962	mg/kg	10	---	---	---	---	---	---	
Arsenic	ND	0.481	0.962	mg/kg	10	---	---	---	---	---	---	
Beryllium	ND	0.0962	0.192	mg/kg	10	---	---	---	---	---	---	
Cadmium	ND	0.0962	0.192	mg/kg	10	---	---	---	---	---	---	
Chromium	ND	0.481	0.962	mg/kg	10	---	---	---	---	---	---	
Copper	ND	0.962	1.92	mg/kg	10	---	---	---	---	---	---	
Lead	ND	0.0962	0.192	mg/kg	10	---	---	---	---	---	---	
Mercury	ND	0.0385	0.0769	mg/kg	10	---	---	---	---	---	---	
Nickel	ND	0.962	1.92	mg/kg	10	---	---	---	---	---	---	
Selenium	ND	0.481	0.962	mg/kg	10	---	---	---	---	---	---	
Silver	ND	0.0962	0.192	mg/kg	10	---	---	---	---	---	---	
Thallium	ND	0.0962	0.192	mg/kg	10	---	---	---	---	---	---	
Zinc	ND	1.92	3.85	mg/kg	10	---	---	---	---	---	---	
LCS (1012474-BS1)			Prepared: 01/04/21 13:11 Analyzed: 01/04/21 15:44									
EPA 6020B												
Antimony	23.9	0.500	1.00	mg/kg	10	25.0	---	95	80-120%	---	---	
Arsenic	50.9	0.500	1.00	mg/kg	10	50.0	---	102	80-120%	---	---	
Beryllium	27.1	0.100	0.200	mg/kg	10	25.0	---	108	80-120%	---	---	
Cadmium	46.6	0.100	0.200	mg/kg	10	50.0	---	93	80-120%	---	---	
Chromium	52.3	0.500	1.00	mg/kg	10	50.0	---	105	80-120%	---	---	
Copper	54.2	1.00	2.00	mg/kg	10	50.0	---	108	80-120%	---	---	
Lead	49.7	0.100	0.200	mg/kg	10	50.0	---	99	80-120%	---	---	
Mercury	0.995	0.0400	0.0800	mg/kg	10	1.00	---	100	80-120%	---	---	
Nickel	54.5	1.00	2.00	mg/kg	10	50.0	---	109	80-120%	---	---	
Selenium	23.3	0.500	1.00	mg/kg	10	25.0	---	93	80-120%	---	---	
Silver	26.0	0.100	0.200	mg/kg	10	25.0	---	104	80-120%	---	---	
Thallium	26.4	0.100	0.200	mg/kg	10	25.0	---	106	80-120%	---	---	
Zinc	51.4	2.00	4.00	mg/kg	10	50.0	---	103	80-120%	---	---	
Duplicate (1012474-DUP1)			Prepared: 01/04/21 13:11 Analyzed: 01/04/21 16:26									
QC Source Sample: CB-4 (A0L0698-04)												
EPA 6020B												

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012474 - EPA 3051A							**Solid**					
Duplicate (1012474-DUP1)			Prepared: 01/04/21 13:11		Analyzed: 01/04/21 16:26							
QC Source Sample: CB-4 (A0L0698-04)												
Antimony	**7.29**	0.541	1.08	mg/kg	10	---	2.48	---	---	**98**	**20%**	Q-04, Q-05
Arsenic	**3.77**	0.541	1.08	mg/kg	10	---	3.43	---	---	10	20%	
Beryllium	ND	0.108	0.216	mg/kg	10	---	ND	---	---	---	20%	
Cadmium	**2.16**	0.108	0.216	mg/kg	10	---	2.24	---	---	3	20%	
Chromium	**283**	0.541	1.08	mg/kg	10	---	276	---	---	3	20%	
Copper	**146**	1.08	2.16	mg/kg	10	---	143	---	---	2	20%	
Lead	**63.0**	0.108	0.216	mg/kg	10	---	63.9	---	---	1	20%	
Mercury	**0.388**	0.0433	0.0866	mg/kg	10	---	0.375	---	---	3	20%	
Nickel	**36.1**	1.08	2.16	mg/kg	10	---	32.2	---	---	12	20%	
Selenium	ND	0.541	1.08	mg/kg	10	---	ND	---	---	---	20%	
Silver	**0.237**	0.108	0.216	mg/kg	10	---	0.223	---	---	6	20%	
Thallium	ND	0.108	0.216	mg/kg	10	---	ND	---	---	---	20%	
Zinc	**596**	2.16	4.33	mg/kg	10	---	606	---	---	2	20%	
Matrix Spike (1012474-MS1)			Prepared: 01/04/21 13:11		Analyzed: 01/04/21 16:32							
QC Source Sample: CB-4 (A0L0698-04)												
EPA 6020B												
Antimony	28.6	0.554	1.11	mg/kg	10	27.7	2.48	94	75-125%	---	---	
Arsenic	56.1	0.554	1.11	mg/kg	10	55.4	3.43	95	75-125%	---	---	
Beryllium	27.1	0.111	0.222	mg/kg	10	27.7	ND	98	75-125%	---	---	
Cadmium	51.9	0.111	0.222	mg/kg	10	55.4	2.24	90	75-125%	---	---	
Chromium	183	0.554	1.11	mg/kg	10	55.4	276	**-167**	**75-125%**	---	---	Q-03, Q-04
Copper	220	1.11	2.22	mg/kg	10	55.4	143	**140**	**75-125%**	---	---	A-01, Q-01
Lead	115	0.111	0.222	mg/kg	10	55.4	63.9	93	75-125%	---	---	
Mercury	1.41	0.0443	0.0887	mg/kg	10	1.11	0.375	93	75-125%	---	---	
Nickel	88.9	1.11	2.22	mg/kg	10	55.4	32.2	102	75-125%	---	---	
Selenium	25.8	0.554	1.11	mg/kg	10	27.7	ND	93	75-125%	---	---	
Silver	27.4	0.111	0.222	mg/kg	10	27.7	0.223	98	75-125%	---	---	
Thallium	28.0	0.111	0.222	mg/kg	10	27.7	ND	101	75-125%	---	---	
Zinc	627	2.22	4.43	mg/kg	10	55.4	606	**38**	**75-125%**	---	---	Q-03

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0120933 - Total Solids (Dry Weight)							**Soil**					
Duplicate (0120933-DUP1)			Prepared: 12/29/20 09:00		Analyzed: 12/30/20 07:25							
QC Source Sample: Non-SDG (A0L0953-01)												
% Solids	**93.2**	1.00	1.00	%	1	---	93.7	---	---	0.5	10%	
Duplicate (0120933-DUP2)			Prepared: 12/29/20 09:00		Analyzed: 12/30/20 07:25							**TEMP**
QC Source Sample: Non-SDG (A0L0955-02)												
% Solids	**74.8**	1.00	1.00	%	1	---	75.5	---	---	0.9	10%	
Duplicate (0120933-DUP3)			Prepared: 12/29/20 18:10		Analyzed: 12/30/20 07:25							
QC Source Sample: Non-SDG (A0L0978-02)												
% Solids	**78.7**	1.00	1.00	%	1	---	78.1	---	---	0.7	10%	
Duplicate (0120933-DUP4)			Prepared: 12/29/20 18:10		Analyzed: 12/30/20 07:25							
QC Source Sample: Non-SDG (A0L0982-02)												
% Solids	**73.0**	1.00	1.00	%	1	---	73.5	---	---	0.8	10%	
Duplicate (0120933-DUP5)			Prepared: 12/29/20 18:10		Analyzed: 12/30/20 07:25							
QC Source Sample: Non-SDG (A0L0985-04)												
% Solids	**69.4**	1.00	1.00	%	1	---	69.8	---	---	0.6	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0120974 - Total Solids (Dry Weight)							Soil					
Duplicate (0120974-DUP1)			Prepared: 12/30/20 07:28		Analyzed: 12/31/20 07:21							
QC Source Sample: Non-SDG (A0L0967-01)												
% Solids	**79.4**	1.00	1.00	%	1	---	80.6	---	---	1	10%	
Duplicate (0120974-DUP2)			Prepared: 12/30/20 17:50		Analyzed: 12/31/20 07:21							
QC Source Sample: CB-6 (A0L0698-07)												
EPA 8000D												
% Solids	**33.5**	1.00	1.00	%	1	---	33.5	---	---	0.03	10%	
Duplicate (0120974-DUP3)			Prepared: 12/30/20 17:50		Analyzed: 12/31/20 07:21							
QC Source Sample: Non-SDG (A0L1027-02)												
% Solids	**92.2**	1.00	1.00	%	1	---	92.4	---	---	0.2	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0120816							
A0L0698-01RE2	Solid	NWTPH-Dx	12/17/20 10:10	12/22/20 12:44	10.03g/5mL	10g/5mL	1.00
A0L0698-02RE1	Solid	NWTPH-Dx	12/17/20 08:50	12/22/20 12:44	10.22g/5mL	10g/5mL	0.98
A0L0698-03RE1	Solid	NWTPH-Dx	12/17/20 09:15	12/22/20 12:44	10.41g/5mL	10g/5mL	0.96
A0L0698-04RE1	Solid	NWTPH-Dx	12/17/20 11:00	12/22/20 12:44	10.39g/5mL	10g/5mL	0.96
A0L0698-05RE1	Solid	NWTPH-Dx	12/17/20 11:05	12/22/20 12:44	10.1g/5mL	10g/5mL	0.99
A0L0698-06RE1	Solid	NWTPH-Dx	12/17/20 11:35	12/22/20 12:44	10.25g/5mL	10g/5mL	0.98
A0L0698-07RE1	Solid	NWTPH-Dx	12/17/20 13:10	12/22/20 12:44	10.28g/5mL	10g/5mL	0.97
A0L0698-08RE1	Solid	NWTPH-Dx	12/17/20 12:30	12/22/20 12:44	10.08g/5mL	10g/5mL	0.99

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

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0120837							
A0L0698-06	Solid	NWTPH-Gx (MS)	12/17/20 11:35	12/17/20 11:35	6.08g/5mL	5g/5mL	0.82
A0L0698-07	Solid	NWTPH-Gx (MS)	12/17/20 13:10	12/17/20 13:10	4.01g/5mL	5g/5mL	1.25
A0L0698-08	Solid	NWTPH-Gx (MS)	12/17/20 12:30	12/17/20 12:30	6.67g/5mL	5g/5mL	0.75
Batch: 0120869							
A0L0698-01	Solid	NWTPH-Gx (MS)	12/17/20 10:10	12/17/20 10:10	4.11g/5mL	5g/5mL	1.22
A0L0698-03	Solid	NWTPH-Gx (MS)	12/17/20 09:15	12/17/20 09:15	5.52g/5mL	5g/5mL	0.91
A0L0698-04	Solid	NWTPH-Gx (MS)	12/17/20 11:00	12/17/20 11:00	5.24g/5mL	5g/5mL	0.95
A0L0698-05	Solid	NWTPH-Gx (MS)	12/17/20 11:05	12/17/20 11:05	7.29g/5mL	5g/5mL	0.69
Batch: 0120899							
A0L0698-02RE1	Solid	NWTPH-Gx (MS)	12/17/20 08:50	12/17/20 08:50	2.85g/5mL	5g/5mL	1.75

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: 0120732							
A0L0698-09	Water	EPA 8260D	12/17/20 13:30	12/19/20 20:00	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0120837							

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0L0698-06	Solid	5035A/8260D	12/17/20 11:35	12/17/20 11:35	6.08g/5mL	5g/5mL	0.82
A0L0698-07	Solid	5035A/8260D	12/17/20 13:10	12/17/20 13:10	4.01g/5mL	5g/5mL	1.25
A0L0698-08	Solid	5035A/8260D	12/17/20 12:30	12/17/20 12:30	6.67g/5mL	5g/5mL	0.75
Batch: 0120869							
A0L0698-01	Solid	5035A/8260D	12/17/20 10:10	12/17/20 10:10	4.11g/5mL	5g/5mL	1.22
A0L0698-03	Solid	5035A/8260D	12/17/20 09:15	12/17/20 09:15	5.52g/5mL	5g/5mL	0.91
A0L0698-04	Solid	5035A/8260D	12/17/20 11:00	12/17/20 11:00	5.24g/5mL	5g/5mL	0.95
A0L0698-05	Solid	5035A/8260D	12/17/20 11:05	12/17/20 11:05	7.29g/5mL	5g/5mL	0.69
Batch: 0120899							
A0L0698-02RE1	Solid	5035A/8260D	12/17/20 08:50	12/17/20 08:50	2.85g/5mL	5g/5mL	1.75

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0121020							
A0L0698-01RE1	Solid	EPA 8082A	12/17/20 10:10	12/31/20 06:56	2.19g/2mL	10g/2mL	4.57
A0L0698-02RE1	Solid	EPA 8082A	12/17/20 08:50	12/31/20 06:56	2.36g/2mL	10g/2mL	4.24
A0L0698-03RE1	Solid	EPA 8082A	12/17/20 09:15	12/31/20 06:56	2.45g/2mL	10g/2mL	4.08
A0L0698-04RE1	Solid	EPA 8082A	12/17/20 11:00	12/31/20 06:56	2.16g/2mL	10g/2mL	4.63
A0L0698-05RE1	Solid	EPA 8082A	12/17/20 11:05	12/31/20 06:56	2.61g/2mL	10g/2mL	3.83
A0L0698-06	Solid	EPA 8082A	12/17/20 11:35	12/31/20 06:56	2.08g/2mL	10g/2mL	4.81
A0L0698-07RE1	Solid	EPA 8082A	12/17/20 13:10	12/31/20 06:56	2.04g/2mL	10g/2mL	4.90
A0L0698-08RE1	Solid	EPA 8082A	12/17/20 12:30	12/31/20 06:56	2.07g/2mL	10g/2mL	4.83

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0121015							
A0L0698-01RE1	Solid	EPA 8081B	12/17/20 10:10	12/30/20 11:45	2.42g/20mL	10g/5mL	16.50
A0L0698-02RE1	Solid	EPA 8081B	12/17/20 08:50	12/30/20 11:45	2.55g/20mL	10g/5mL	15.70
A0L0698-03RE1	Solid	EPA 8081B	12/17/20 09:15	12/30/20 11:45	2.15g/20mL	10g/5mL	18.60
A0L0698-04RE1	Solid	EPA 8081B	12/17/20 11:00	12/30/20 11:45	2.12g/20mL	10g/5mL	18.90
A0L0698-05RE1	Solid	EPA 8081B	12/17/20 11:05	12/30/20 11:45	2.08g/20mL	10g/5mL	19.20
A0L0698-06RE1	Solid	EPA 8081B	12/17/20 11:35	12/30/20 11:45	2.04g/20mL	10g/5mL	19.60

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0L0698-07RE1	Solid	EPA 8081B	12/17/20 13:10	12/30/20 11:45	2.12g/10mL	10g/5mL	9.43
A0L0698-08RE1	Solid	EPA 8081B	12/17/20 12:30	12/30/20 11:45	2.31g/10mL	10g/5mL	8.66

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0120994							
A0L0698-01	Solid	EPA 8270E	12/17/20 10:10	12/30/20 11:44	2.13g/5mL	15g/2mL	17.60
A0L0698-02	Solid	EPA 8270E	12/17/20 08:50	12/30/20 11:44	2.41g/5mL	15g/2mL	15.60
A0L0698-03	Solid	EPA 8270E	12/17/20 09:15	12/30/20 11:44	2.3g/5mL	15g/2mL	16.30
A0L0698-04RE1	Solid	EPA 8270E	12/17/20 11:00	12/30/20 11:44	2.19g/5mL	15g/2mL	17.10
A0L0698-05RE1	Solid	EPA 8270E	12/17/20 11:05	12/30/20 11:44	2.6g/5mL	15g/2mL	14.40
A0L0698-06RE1	Solid	EPA 8270E	12/17/20 11:35	12/30/20 11:44	2.53g/5mL	15g/2mL	14.80
A0L0698-07	Solid	EPA 8270E	12/17/20 13:10	12/30/20 11:44	2.26g/2mL	15g/2mL	6.64
A0L0698-08	Solid	EPA 8270E	12/17/20 12:30	12/30/20 11:44	2.32g/2mL	15g/2mL	6.47

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1012474							
A0L0698-01	Solid	EPA 6020B	12/17/20 10:10	01/04/21 13:11	0.497g/50mL	0.5g/50mL	1.01
A0L0698-02	Solid	EPA 6020B	12/17/20 08:50	01/04/21 13:11	0.499g/50mL	0.5g/50mL	1.00
A0L0698-03	Solid	EPA 6020B	12/17/20 09:15	01/04/21 13:11	0.5g/50mL	0.5g/50mL	1.00
A0L0698-03RE1	Solid	EPA 6020B	12/17/20 09:15	01/04/21 13:11	0.5g/50mL	0.5g/50mL	1.00
A0L0698-04	Solid	EPA 6020B	12/17/20 11:00	01/04/21 13:11	0.457g/50mL	0.5g/50mL	1.09
A0L0698-05	Solid	EPA 6020B	12/17/20 11:05	01/04/21 13:11	0.47g/50mL	0.5g/50mL	1.06
A0L0698-06	Solid	EPA 6020B	12/17/20 11:35	01/04/21 13:11	0.481g/50mL	0.5g/50mL	1.04
A0L0698-07	Solid	EPA 6020B	12/17/20 13:10	01/04/21 13:11	0.465g/50mL	0.5g/50mL	1.08
A0L0698-08	Solid	EPA 6020B	12/17/20 12:30	01/04/21 13:11	0.482g/50mL	0.5g/50mL	1.04

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0120933							

Apex Laboratories

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0L0698-05	Solid	EPA 8000D	12/17/20 11:05	12/29/20 18:10			NA
Batch: 0120974							
A0L0698-01	Solid	EPA 8000D	12/17/20 10:10	12/30/20 17:50			NA
A0L0698-02	Solid	EPA 8000D	12/17/20 08:50	12/30/20 17:50			NA
A0L0698-03	Solid	EPA 8000D	12/17/20 09:15	12/30/20 17:50			NA
A0L0698-04	Solid	EPA 8000D	12/17/20 11:00	12/30/20 17:50			NA
A0L0698-06	Solid	EPA 8000D	12/17/20 11:35	12/30/20 17:50			NA
A0L0698-07	Solid	EPA 8000D	12/17/20 13:10	12/30/20 17:50			NA
A0L0698-08	Solid	EPA 8000D	12/17/20 12:30	12/30/20 17:50			NA

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project:	**Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number:	**BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager:	**Kyle Haggart**	**A0L0698 - 01 11 21 2200**

QUALIFIER DEFINITIONS

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

Apex Laboratories

A-01	Serial dilution was performed and passes acceptance criteria. Data are acceptable.
C-05	Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
F-03	The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
P-12	Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-17	RPD between original and duplicate sample is outside of established control limits.
Q-18	Matrix Spike results for this extraction batch are not reported due to the high dilution necessary for analysis of the source sample.
Q-30	Recovery for Lab Control Spike (LCS) is below the lower control limit. Data may be biased low.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +10%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +13%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +23%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +36%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +43%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project:	**Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number:	**BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager:	**Kyle Haggart**	**A0L0698 - 01 11 21 2200**

Q-54f	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -1%. The results are reported as Estimated Values.
Q-54g	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -10%. The results are reported as Estimated Values.
Q-54h	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -13%. The results are reported as Estimated Values.
Q-54i	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -15%. The results are reported as Estimated Values.
Q-54j	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -2%. The results are reported as Estimated Values.
Q-54k	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -3%. The results are reported as Estimated Values.
Q-54l	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -5%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
R-04	Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
S-01	Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
S-03	Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
S-06	Surrogate recovery is outside of established control limits.
TEMP	Sample(s) received outside of recommended temperature. See Case Narrative.
V-15	Sample aliquot was subsampled from the sample container. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.

Apex Laboratories

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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

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.

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

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

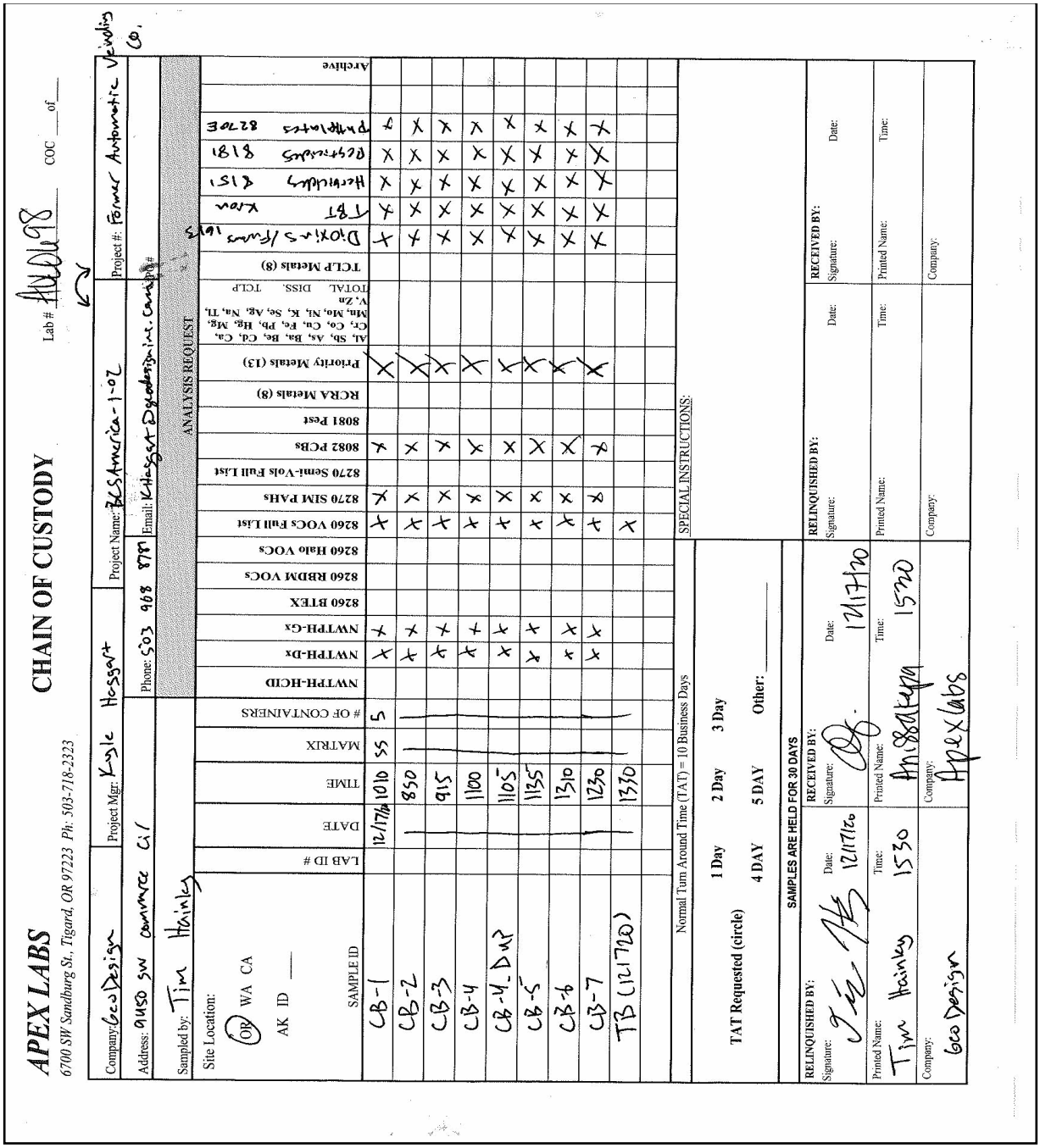
Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**



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

CHAIN OF CUSTODY

Lab # A0L0698 COC ___ of ___

Company: GeoDesign — Project Mgr: Kyle Haggart — Project Name: BCSAmerica-1-02 — Project #: Former Automatic Vending Co.
Address: 9450 SW Commerce Cir — Phone: 503 968 8787 — Email: KHaggart@GeoDesigninc.com — PO #
Sampled by: Tim Hainley

Site Location: (OR) WA CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	LAB 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 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Dioxins/Furans 1613	TBT Xylenes	Herbicides 8151	Pesticides 8181	Phthalates 8270E	Archive
CB-1		12/17/20	1010	SS	5		X	X				X	X		X			X								
CB-2			850				X	X				X	X		X			X								
CB-3			915				X	X				X	X		X			X								
CB-4			1100				X	X				X	X		X			X								
CB-4_Dup			1105				X	X				X	X		X			X								
CB-5			1135				X	X				X	X		X			X								
CB-6			1310				X	X				X	X		X			X								
CB-7			1230				X	X				X	X		X			X								
TB (121720)			1330					X				X														

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 12/17/20	Date: 12/17/20	Date:	Date:
Time: 1530	Time: 1530	Time:	Time:
Printed Name: Tim Hainley	Printed Name: Anisa Kemp	Printed Name:	Printed Name:
Company: GeoDesign	Company: Apex Labs	Company:	Company:

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A0L0698 - 01 11 21 2200**

APEX LABS COOLER RECEIPT FORM

Client: GeoDesign Element WO#: A0 L0698

Project/Project #: BCS America-1-02 Former Automatic Vending Co.

Delivery Info:

Date/time received: 12/17/20 @ 1530 By: AKK

Delivered by: Apex ___ Client X ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 12/17/20 @ 1530 By: AKK

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)	2.7						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition:	Melty						

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

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/(NA)

Out of temperature samples form initiated? Yes/No/(NA)

Samples Inspection: Date/time inspected: 12/17/20 @ 1100 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 ___ NA X

Comments ___

Water samples: pH checked: Yes ___ No ___ NA X pH appropriate? Yes ___ No ___ NA X

Comments: ___

Additional information: ___

Labeled by: JS Witness: [signature] Cooler Inspected by: AKK See Project Contact Form: Y

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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.

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421
www.capefearanalytical.com

January 12, 2021

Mr. Philip Nerenberg
Apex Laboratories
6700 SW Sandburg Street
Portland, Oregon 97223

Re: DXN & PCB Subcontract
Work Order: 17535
SDG: A0L0698

Dear Mr. Nerenberg:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 22, 2020. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421.

Sincerely,

Cynde Larkins

Cynde Larkins
Project Manager

Enclosures

problem solved

SUBCONTRACT ORDER EJ

Apex Laboratories

QB 12/18/20 **A0L0698** CFA WO#17535

SENDING LABORATORY:	**RECEIVING LABORATORY:**
Apex Laboratories 6700 S.W. Sandburg Street Tigard, OR 97223 Phone: (503) 718-2323 Fax: (503) 336-0745 Project Manager: Philip Nerenberg	Cape Fear Analytical, LLC 3306 Kitty Hawk Rd Suite 120 Wilmington, NC 28405 Phone :(910) 795-0421 Fax: -

Sample Name: CB-1 **Solid** **Sampled: 12/17/20 10:10** (A0L0698-01)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 10:10	Sub Cape Fear

Sample Name: CB-2 **Solid** **Sampled: 12/17/20 08:50** (A0L0698-02)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 08:50	Sub Cape Fear

Sample Name: CB-3 **Solid** **Sampled: 12/17/20 09:15** (A0L0698-03)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 09:15	Sub Cape Fear

Sample Name: CB-4 **Solid** **Sampled: 12/17/20 11:00** (A0L0698-04)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 11:00	Sub Cape Fear

Standard TAT

Released By	Date	Received By	Date
Fed Ex (Shipper)	12/21/20	Fed Ex (Shipper)	temp. = 1.8°C
Released By	Date	Received By	Date
			12/22/20 13:00

SUBCONTRACT ORDER ET

Apex Laboratories

AB 12118h0 **A0L0698** CFA NO # 17535

Sample Name: CB-4_DUP **Solid** **Sampled: 12/17/20 11:05** (A0L0698-05)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 11:05	Sub Cape Fear

Sample Name: CB-5 **Solid** **Sampled: 12/17/20 11:35** (A0L0698-06)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 11:35	Sub Cape Fear

Sample Name: CB-6 **Solid** **Sampled: 12/17/20 13:10** (A0L0698-07)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 13:10	Sub Cape Fear

Sample Name: CB-7 **Solid** **Sampled: 12/17/20 12:30** (A0L0698-08)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB) *Containers Supplied:* (C)4 oz Glass Jar	01/08/21 17:00	06/15/21 12:30	Sub Cape Fear

Standard TAT

Tara 12-21-2 Fed Ex (Shipper)

Released By Date Received By Date

Fed Ex (Shipper) 12/22/20 13:10

Released By Date Received By Date

SAMPLE RECEIPT CHECKLIST

Cape Fear Analytical

Client: Apex	Work Order: 17535
Shipping Company: FedEx	Date/Time Received: 12/22/20 13:00

Suspected Hazard Information	Yes	NA	No
Shipped as DOT Hazardous?			✓
Samples identified as Foreign Soil?			✓

DOE Site Sample Packages	Yes	NA	No*
Screened <0.5 mR/hr?		✓	
Samples < 2x background?		✓	

* Notify RSO of any responses in this column immediately.

Air Sample Receipt Specifics	Yes	NA	No
Air sample in shipment?			✓

Air Witness: _____

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other(describe)
2	Custody seal/s present on cooler?			✓	Seal intact? Yes No
3	Chain of Custody documents included with shipment?	✓			
4	Samples requiring cold preservation within 0-6°C?	✓			Preservation Method: ice bags loose ice blue ice dry ice none other (describe) Temperature Blank present: (Yes) No 1.8+0=1.8°C
5	Aqueous samples found to have visible solids?		✓		Sample IDs, containers affected:
5	Samples requiring chemical preservation at proper pH?		✓		Sample IDs, containers affected and pH observed: If preservative added, Lot#:
7	Samples requiring preservation have no residual chlorine?		✓		Sample IDs, containers affected: If preservative added, Lot#:
8	Samples received within holding time?	✓			Sample IDs, tests affected:
9	Sample IDs on COC match IDs on containers?	✓			Sample IDs, containers affected:
10	Date & time of COC match date & time on containers?	✓			Sample IDs, containers affected:
11	Number of containers received match number indicated on COC?	✓			List type and number of containers / Sample IDs, containers affected: Received 8-4oz clear
12	COC form is properly signed in relinquished/received sections?	✓			

Comments:

 Performed by: Initials: RV Date: 12/22/20 CF-UD-F-7

High Resolution Dioxins and Furans Analysis

Case Narrative

HDOX Case Narrative
Apex Laboratories (APEX)
SDG A0L0698
Work Order 17535

Method/Analysis Information

Product:	**Dioxins/Furans by EPA Method 1613B in Solids**
Analytical Method:	EPA Method 1613B
Extraction Method:	SW846 3540C
Analytical Batch Number:	45696
Clean Up Batch Number:	45695
Extraction Batch Number:	45694

Sample Analysis

Samples were received at 1.8°C. (17535001,17535002,17535003,17535004,17535005,17535006,17535007,17535008). The following samples were analyzed using the analytical protocol as established in EPA Method 1613B:

Sample ID	Client ID
12028283	Method Blank (MB)
12028284	Laboratory Control Sample (LCS)
12028285	Laboratory Control Sample Duplicate (LCSD)
17535001	CB-1
17535002	CB-2
17535003	CB-3
17535004	CB-4
17535005	CB-4_DUP
17535006	CB-5
17535007	CB-6
17535008	CB-7

The samples in this SDG were analyzed on a "dry weight" basis.

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-002 REV# 18.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

Calibration Information

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Certification Statement
The test results presented in this document are certified to meet all requirements of the 2009 TNI Standard.

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery
The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement
The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation
A sample of similar matrix, not associated with this SDG, was selected for analysis as the matrix spike and matrix spike duplicate.

Technical Information

Receipt Temperature
Samples were received within temperature requirements.

Holding Time Specifications
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All samples were extracted @ 1g due to oil appearance and odor. Batch 45696.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Nonconformance (NCR) Documentation
A NCR was not required for this SDG.

Manual Integrations
Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction. Manual integrations were required for data files in this SDG.

Sample Preparation
No difficulties were encountered during sample preparation.

System Configuration
This analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description
HRP750_2	Primary Dioxin Analysis	Dioxin Analysis	DB-5MS	60m x 0.25mm, 0.25um
HRP757_3	Confirmation Analysis	TCDF Confirmation	DB-225	30m x 0.25mm, 0.25um

Electronic Packaging Comment

This data package was generated using an electronic data processing program referred to as virtual packaging. In an effort to increase quality and efficiency, the laboratory has developed systems to generate all data packages electronically. The following change from traditional packages should be noted: Analyst/peer reviewer initials and dates are not present on the electronic data files. Presently, all initials and dates are present on the original raw data. These hard copies are temporarily stored in the laboratory. An electronic signature page inserted after the case narrative will include the data validator's signature and title. The signature page also includes the data qualifiers used in the fractional package. Data that are not generated electronically, such as hand written pages, will be scanned and inserted into the electronic package.

Sample Data Summary

Cape Fear Analytical, LLC
3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

Qualifier Definition Report
for

APEX001 Apex Laboratories

Client SDG: A0L0698 CFA Work Order: 17535

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
B The target analyte was detected in the associated blank.
J Value is estimated
K Estimated Maximum Possible Concentration
U Analyte was analyzed for, but not detected above the specified detection limit.

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

Signature: **Name: Erin Suhrie**

Date: 12 JAN 2021 **Title: Data Validator**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535001**	**Date Collected:**	**12/17/2020 10:10**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**66**
Client ID:	**CB-1**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/06/2021 17:52**	**Analyst:**	**MLL**	**Instrument:**	**HRP750**
Data File:	**A06JAN21A_2-5**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.06 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	12.8	pg/g	12.8	27.8
40321-76-4	1,2,3,7,8-PeCDD	J	14.4	pg/g	8.10	139
39227-28-6	1,2,3,4,7,8-HxCDD	U	11.0	pg/g	11.0	139
57653-85-7	1,2,3,6,7,8-HxCDD	JK	11.4	pg/g	11.1	139
19408-74-3	1,2,3,7,8,9-HxCDD	JK	26.9	pg/g	11.2	139
35822-46-9	1,2,3,4,6,7,8-HpCDD		294	pg/g	35.6	139
3268-87-9	1,2,3,4,6,7,8,9-OCDD		3550	pg/g	33.1	278
51207-31-9	2,3,7,8-TCDF	U	11.4	pg/g	11.4	27.8
57117-41-6	1,2,3,7,8-PeCDF	U	5.61	pg/g	5.61	139
57117-31-4	2,3,4,7,8-PeCDF	U	5.35	pg/g	5.35	139
70648-26-9	1,2,3,4,7,8-HxCDF	J	7.55	pg/g	6.11	139
57117-44-9	1,2,3,6,7,8-HxCDF	U	6.11	pg/g	6.11	139
60851-34-5	2,3,4,6,7,8-HxCDF	JK	7.72	pg/g	6.55	139
72918-21-9	1,2,3,7,8,9-HxCDF	U	9.38	pg/g	9.38	139
67562-39-4	1,2,3,4,6,7,8-HpCDF	JK	56.6	pg/g	11.0	139
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	16.9	pg/g	16.9	139
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	97.3	pg/g	23.9	278
41903-57-5	Total TeCDD	U	12.8	pg/g	12.8	27.8
36088-22-9	Total PeCDD	JK	80.7	pg/g	8.10	139
34465-46-8	Total HxCDD	JK	180	pg/g	11.0	139
37871-00-4	Total HpCDD		624	pg/g	35.6	139
30402-14-3	Total TeCDF	U	11.4	pg/g	11.4	27.8
30402-15-4	Total PeCDF	JK	30.9	pg/g	3.22	139
55684-94-1	Total HxCDF	JK	73.9	pg/g	6.11	139
38998-75-3	Total HpCDF	JK	141	pg/g	11.0	139
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		24.4	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		33.7	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		4790	5550	pg/g	86.2	(25%-164%)
13C-1,2,3,7,8-PeCDD		4820	5550	pg/g	86.9	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		4150	5550	pg/g	74.7	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		4080	5550	pg/g	73.6	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		4750	5550	pg/g	85.5	(23%-140%)
13C-OCDD		8940	11100	pg/g	80.5	(17%-157%)
13C-2,3,7,8-TCDF		4850	5550	pg/g	87.4	(24%-169%)
13C-1,2,3,7,8-PeCDF		5270	5550	pg/g	95.0	(24%-185%)
13C-2,3,4,7,8-PeCDF		5200	5550	pg/g	93.7	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		4280	5550	pg/g	77.2	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		4310	5550	pg/g	77.7	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		4320	5550	pg/g	77.8	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		4480	5550	pg/g	80.7	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535001**	**Date Collected:**	**12/17/2020 10:10**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**66**
Client ID:	**CB-1**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/06/2021 17:52**	**Analyst:**	**MLL**	**Instrument:**	**HRP750**
Data File:	**A06JAN21A_2-5**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.06 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		4650	5550	pg/g	83.7	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		4880	5550	pg/g	87.9	(26%-138%)
37Cl-2,3,7,8-TCDD		472	555	pg/g	85.0	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535002**	**Date Collected:**	**12/17/2020 08:50**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**32.5**
Client ID:	**CB-2**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 01:28**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-9**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.02 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	J	2.76	pg/g	2.53	14.5
40321-76-4	1,2,3,7,8-PeCDD	JK	6.63	pg/g	2.10	72.7
39227-28-6	1,2,3,4,7,8-HxCDD	J	5.09	pg/g	2.55	72.7
57653-85-7	1,2,3,6,7,8-HxCDD	J	13.1	pg/g	2.47	72.7
19408-74-3	1,2,3,7,8,9-HxCDD	J	9.82	pg/g	2.54	72.7
35822-46-9	1,2,3,4,6,7,8-HpCDD		342	pg/g	8.95	72.7
3268-87-9	1,2,3,4,6,7,8,9-OCDD		4700	pg/g	10.5	145
51207-31-9	2,3,7,8-TCDF	U	4.04	pg/g	4.04	14.5
57117-41-6	1,2,3,7,8-PeCDF	BJ	3.20	pg/g	2.31	72.7
57117-31-4	2,3,4,7,8-PeCDF	JK	4.42	pg/g	2.24	72.7
70648-26-9	1,2,3,4,7,8-HxCDF	J	5.03	pg/g	2.29	72.7
57117-44-9	1,2,3,6,7,8-HxCDF	JK	4.24	pg/g	2.36	72.7
60851-34-5	2,3,4,6,7,8-HxCDF	J	5.41	pg/g	2.30	72.7
72918-21-9	1,2,3,7,8,9-HxCDF	U	3.49	pg/g	3.49	72.7
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	49.6	pg/g	2.67	72.7
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	4.07	pg/g	4.07	72.7
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	108	pg/g	3.81	145
41903-57-5	Total TeCDD	J	2.76	pg/g	2.53	14.5
36088-22-9	Total PeCDD	JK	22.8	pg/g	2.10	72.7
34465-46-8	Total HxCDD	JK	106	pg/g	2.47	72.7
37871-00-4	Total HpCDD		693	pg/g	8.95	72.7
30402-14-3	Total TeCDF	JK	19.3	pg/g	4.04	14.5
30402-15-4	Total PeCDF	JK	57.1	pg/g	0.721	72.7
55684-94-1	Total HxCDF	JK	85.3	pg/g	2.29	72.7
38998-75-3	Total HpCDF	J	137	pg/g	2.67	72.7
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		20.4	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		20.8	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		2290	2910	pg/g	78.7	(25%-164%)
13C-1,2,3,7,8-PeCDD		2830	2910	pg/g	97.4	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		2030	2910	pg/g	69.7	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		2060	2910	pg/g	71.0	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		2390	2910	pg/g	82.2	(23%-140%)
13C-OCDD		4660	5810	pg/g	80.2	(17%-157%)
13C-2,3,7,8-TCDF		2490	2910	pg/g	85.6	(24%-169%)
13C-1,2,3,7,8-PeCDF		2840	2910	pg/g	97.8	(24%-185%)
13C-2,3,4,7,8-PeCDF		2890	2910	pg/g	99.5	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		2050	2910	pg/g	70.4	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		2000	2910	pg/g	68.9	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		2080	2910	pg/g	71.5	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		2090	2910	pg/g	72.0	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535002**	**Date Collected:**	**12/17/2020 08:50**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**32.5**
Client ID:	**CB-2**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 01:28**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-9**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.02 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		2190	2910	pg/g	75.2	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		2340	2910	pg/g	80.6	(26%-138%)
37Cl-2,3,7,8-TCDD		250	291	pg/g	86.0	(35%-197%)

Comments:

B **The target analyte was detected in the associated blank.**
J **Value is estimated**
K **Estimated Maximum Possible Concentration**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535003**	**Date Collected:**	**12/17/2020 09:15**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**44.5**
Client ID:	**CB-3**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 02:16**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-10**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.03 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	4.20	pg/g	4.20	17.5
40321-76-4	1,2,3,7,8-PeCDD	JK	9.26	pg/g	4.09	87.4
39227-28-6	1,2,3,4,7,8-HxCDD	JK	7.38	pg/g	5.59	87.4
57653-85-7	1,2,3,6,7,8-HxCDD	J	13.0	pg/g	5.38	87.4
19408-74-3	1,2,3,7,8,9-HxCDD	J	13.7	pg/g	5.56	87.4
35822-46-9	1,2,3,4,6,7,8-HpCDD		300	pg/g	13.8	87.4
3268-87-9	1,2,3,4,6,7,8,9-OCDD		3320	pg/g	15.5	175
51207-31-9	2,3,7,8-TCDF	JK	5.80	pg/g	4.20	17.5
57117-41-6	1,2,3,7,8-PeCDF	JK	4.47	pg/g	3.07	87.4
57117-31-4	2,3,4,7,8-PeCDF	JK	5.28	pg/g	2.87	87.4
70648-26-9	1,2,3,4,7,8-HxCDF	J	7.59	pg/g	3.45	87.4
57117-44-9	1,2,3,6,7,8-HxCDF	JK	6.05	pg/g	3.53	87.4
60851-34-5	2,3,4,6,7,8-HxCDF	JK	5.38	pg/g	3.60	87.4
72918-21-9	1,2,3,7,8,9-HxCDF	U	5.03	pg/g	5.03	87.4
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	59.0	pg/g	5.42	87.4
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	8.53	pg/g	8.53	87.4
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	112	pg/g	6.08	175
41903-57-5	Total TeCDD	U	4.20	pg/g	4.20	17.5
36088-22-9	Total PeCDD	JK	34.3	pg/g	4.09	87.4
34465-46-8	Total HxCDD	JK	125	pg/g	5.38	87.4
37871-00-4	Total HpCDD		631	pg/g	13.8	87.4
30402-14-3	Total TeCDF	JK	17.7	pg/g	4.20	17.5
30402-15-4	Total PeCDF	JK	66.7	pg/g	1.06	87.4
55684-94-1	Total HxCDF	JK	91.6	pg/g	3.45	87.4
38998-75-3	Total HpCDF	JK	149	pg/g	5.42	87.4
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		21.5	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		23.9	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		2450	3500	pg/g	70.2	(25%-164%)
13C-1,2,3,7,8-PeCDD		2650	3500	pg/g	75.7	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		2370	3500	pg/g	67.8	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		2430	3500	pg/g	69.6	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		2680	3500	pg/g	76.8	(23%-140%)
13C-OCDD		5190	6990	pg/g	74.2	(17%-157%)
13C-2,3,7,8-TCDF		2700	3500	pg/g	77.3	(24%-169%)
13C-1,2,3,7,8-PeCDF		2720	3500	pg/g	77.8	(24%-185%)
13C-2,3,4,7,8-PeCDF		2740	3500	pg/g	78.4	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		2400	3500	pg/g	68.8	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		2410	3500	pg/g	68.9	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		2460	3500	pg/g	70.2	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		2480	3500	pg/g	71.0	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535003**	**Date Collected:**	**12/17/2020 09:15**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**44.5**
Client ID:	**CB-3**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 02:16**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-10**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.03 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		2490	3500	pg/g	71.1	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		2460	3500	pg/g	70.4	(26%-138%)
37Cl-2,3,7,8-TCDD		264	350	pg/g	75.4	(35%-197%)

Comments:

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535004**	**Date Collected:**	**12/17/2020 11:00**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**74.5**
Client ID:	**CB-4**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 03:04**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-11**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.2 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	5.83	pg/g	5.83	32.7
40321-76-4	1,2,3,7,8-PeCDD	JK	19.4	pg/g	5.47	163
39227-28-6	1,2,3,4,7,8-HxCDD	J	22.3	pg/g	6.80	163
57653-85-7	1,2,3,6,7,8-HxCDD	J	61.5	pg/g	6.54	163
19408-74-3	1,2,3,7,8,9-HxCDD	J	45.9	pg/g	6.80	163
35822-46-9	1,2,3,4,6,7,8-HpCDD		1990	pg/g	25.5	163
3268-87-9	1,2,3,4,6,7,8,9-OCDD		20100	pg/g	20.2	327
51207-31-9	2,3,7,8-TCDF	JK	26.9	pg/g	9.02	32.7
57117-41-6	1,2,3,7,8-PeCDF	J	20.3	pg/g	3.50	163
57117-31-4	2,3,4,7,8-PeCDF	J	33.5	pg/g	3.11	163
70648-26-9	1,2,3,4,7,8-HxCDF	J	44.8	pg/g	5.80	163
57117-44-9	1,2,3,6,7,8-HxCDF	J	40.5	pg/g	5.60	163
60851-34-5	2,3,4,6,7,8-HxCDF	JK	39.8	pg/g	5.69	163
72918-21-9	1,2,3,7,8,9-HxCDF	JK	13.5	pg/g	7.97	163
67562-39-4	1,2,3,4,6,7,8-HpCDF		518	pg/g	8.50	163
55673-89-7	1,2,3,4,7,8,9-HpCDF	J	33.9	pg/g	12.5	163
39001-02-0	1,2,3,4,6,7,8,9-OCDF		1160	pg/g	9.02	327
41903-57-5	Total TeCDD	JK	11.0	pg/g	5.83	32.7
36088-22-9	Total PeCDD	JK	111	pg/g	5.47	163
34465-46-8	Total HxCDD	J	539	pg/g	6.54	163
37871-00-4	Total HpCDD		3980	pg/g	25.5	163
30402-14-3	Total TeCDF	JK	348	pg/g	9.02	32.7
30402-15-4	Total PeCDF	JK	365	pg/g	2.03	163
55684-94-1	Total HxCDF	JK	637	pg/g	5.60	163
38998-75-3	Total HpCDF	J	1480	pg/g	8.50	163
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		91.4	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		94.3	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		5090	6540	pg/g	77.8	(25%-164%)
13C-1,2,3,7,8-PeCDD		6180	6540	pg/g	94.5	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		4350	6540	pg/g	66.5	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		4580	6540	pg/g	70.0	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		5320	6540	pg/g	81.4	(23%-140%)
13C-OCDD		10600	13100	pg/g	81.2	(17%-157%)
13C-2,3,7,8-TCDF		4990	6540	pg/g	76.3	(24%-169%)
13C-1,2,3,7,8-PeCDF		6350	6540	pg/g	97.2	(24%-185%)
13C-2,3,4,7,8-PeCDF		6360	6540	pg/g	97.3	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		4380	6540	pg/g	67.0	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		4410	6540	pg/g	67.4	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		4640	6540	pg/g	70.9	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		4710	6540	pg/g	72.0	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535004**	**Date Collected:**	**12/17/2020 11:00**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**74.5**
Client ID:	**CB-4**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 03:04**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-11**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.2 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		4860	6540	pg/g	74.4	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		5140	6540	pg/g	78.6	(26%-138%)
37Cl-2,3,7,8-TCDD		563	654	pg/g	86.1	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535005**	**Date Collected:**	**12/17/2020 11:05**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**73.3**
Client ID:	**CB-4_DUP**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 03:53**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-12**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.08 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	5.18	pg/g	5.18	34.7
40321-76-4	1,2,3,7,8-PeCDD	J	21.5	pg/g	7.09	174
39227-28-6	1,2,3,4,7,8-HxCDD	JK	25.3	pg/g	6.00	174
57653-85-7	1,2,3,6,7,8-HxCDD	J	70.1	pg/g	5.61	174
19408-74-3	1,2,3,7,8,9-HxCDD	J	53.0	pg/g	5.88	174
35822-46-9	1,2,3,4,6,7,8-HpCDD		1900	pg/g	20.6	174
3268-87-9	1,2,3,4,6,7,8,9-OCDD		18000	pg/g	18.5	347
51207-31-9	2,3,7,8-TCDF		39.9	pg/g	8.54	34.7
57117-41-6	1,2,3,7,8-PeCDF	JK	36.5	pg/g	4.95	174
57117-31-4	2,3,4,7,8-PeCDF	J	67.2	pg/g	4.86	174
70648-26-9	1,2,3,4,7,8-HxCDF	J	69.2	pg/g	5.71	174
57117-44-9	1,2,3,6,7,8-HxCDF	J	62.0	pg/g	5.43	174
60851-34-5	2,3,4,6,7,8-HxCDF	J	60.3	pg/g	5.70	174
72918-21-9	1,2,3,7,8,9-HxCDF	J	20.4	pg/g	8.20	174
67562-39-4	1,2,3,4,6,7,8-HpCDF		570	pg/g	8.34	174
55673-89-7	1,2,3,4,7,8,9-HpCDF	JK	45.3	pg/g	11.8	174
39001-02-0	1,2,3,4,6,7,8,9-OCDF		1030	pg/g	9.66	347
41903-57-5	Total TeCDD	JK	21.4	pg/g	5.18	34.7
36088-22-9	Total PeCDD	JK	131	pg/g	7.09	174
34465-46-8	Total HxCDD	JK	584	pg/g	5.61	174
37871-00-4	Total HpCDD		3660	pg/g	20.6	174
30402-14-3	Total TeCDF	JK	775	pg/g	8.54	34.7
30402-15-4	Total PeCDF	JK	717	pg/g	1.31	174
55684-94-1	Total HxCDF	JK	859	pg/g	5.43	174
38998-75-3	Total HpCDF	JK	1480	pg/g	8.34	174
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		115	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		117	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		5950	6950	pg/g	85.6	(25%-164%)
13C-1,2,3,7,8-PeCDD		7120	6950	pg/g	103	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		5200	6950	pg/g	74.8	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		5170	6950	pg/g	74.4	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		6300	6950	pg/g	90.8	(23%-140%)
13C-OCDD		12200	13900	pg/g	88.0	(17%-157%)
13C-2,3,7,8-TCDF		5980	6950	pg/g	86.1	(24%-169%)
13C-1,2,3,7,8-PeCDF		7290	6950	pg/g	105	(24%-185%)
13C-2,3,4,7,8-PeCDF		7330	6950	pg/g	105	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		5200	6950	pg/g	74.8	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		5090	6950	pg/g	73.3	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		5300	6950	pg/g	76.3	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		5410	6950	pg/g	77.9	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535005**	**Date Collected:**	**12/17/2020 11:05**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**73.3**
Client ID:	**CB-4_DUP**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 03:53**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-12**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.08 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		5740	6950	pg/g	82.6	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		6040	6950	pg/g	87.0	(26%-138%)
37Cl-2,3,7,8-TCDD		610	695	pg/g	87.9	(35%-197%)

Comments:

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535005**	**Date Collected:**	**12/17/2020 11:05**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**73.3**
Client ID:	**CB-4_DUP**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 12:24**	**Analyst:**	**MJC**	**Instrument:**	**HRP757**
Data File:	**e04jan21a-5**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.08 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
51207-31-9	2,3,7,8-TCDF		52.2	pg/g	13.3	34.7

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535006**	**Date Collected:**	**12/17/2020 11:35**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**64.5**
Client ID:	**CB-5**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 04:41**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-13**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.22 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	3.80	pg/g	3.80	23.1
40321-76-4	1,2,3,7,8-PeCDD	JK	20.9	pg/g	3.78	116
39227-28-6	1,2,3,4,7,8-HxCDD	JK	19.0	pg/g	5.41	116
57653-85-7	1,2,3,6,7,8-HxCDD	J	60.9	pg/g	5.45	116
19408-74-3	1,2,3,7,8,9-HxCDD	J	48.2	pg/g	5.50	116
35822-46-9	1,2,3,4,6,7,8-HpCDD		2630	pg/g	19.8	116
3268-87-9	1,2,3,4,6,7,8,9-OCDD		37100	pg/g	18.7	231
51207-31-9	2,3,7,8-TCDF	J	12.7	pg/g	4.99	23.1
57117-41-6	1,2,3,7,8-PeCDF	JK	9.71	pg/g	2.86	116
57117-31-4	2,3,4,7,8-PeCDF	J	13.8	pg/g	2.74	116
70648-26-9	1,2,3,4,7,8-HxCDF	J	24.1	pg/g	3.51	116
57117-44-9	1,2,3,6,7,8-HxCDF	JK	18.5	pg/g	3.58	116
60851-34-5	2,3,4,6,7,8-HxCDF	J	20.8	pg/g	3.48	116
72918-21-9	1,2,3,7,8,9-HxCDF	JK	6.10	pg/g	4.67	116
67562-39-4	1,2,3,4,6,7,8-HpCDF		388	pg/g	7.30	116
55673-89-7	1,2,3,4,7,8,9-HpCDF	J	25.0	pg/g	11.0	116
39001-02-0	1,2,3,4,6,7,8,9-OCDF		794	pg/g	7.63	231
41903-57-5	Total TeCDD	J	16.5	pg/g	3.80	23.1
36088-22-9	Total PeCDD	JK	120	pg/g	3.78	116
34465-46-8	Total HxCDD	JK	529	pg/g	5.41	116
37871-00-4	Total HpCDD		5270	pg/g	19.8	116
30402-14-3	Total TeCDF	JK	93.7	pg/g	4.99	23.1
30402-15-4	Total PeCDF	JK	203	pg/g	0.920	116
55684-94-1	Total HxCDF	JK	528	pg/g	3.48	116
38998-75-3	Total HpCDF	J	1190	pg/g	7.30	116
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		88.2	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		90.1	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		3790	4620	pg/g	82.1	(25%-164%)
13C-1,2,3,7,8-PeCDD		3430	4620	pg/g	74.3	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		3340	4620	pg/g	72.3	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		3350	4620	pg/g	72.6	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		4260	4620	pg/g	92.1	(23%-140%)
13C-OCDD		8830	9240	pg/g	95.5	(17%-157%)
13C-2,3,7,8-TCDF		3940	4620	pg/g	85.2	(24%-169%)
13C-1,2,3,7,8-PeCDF		3470	4620	pg/g	75.2	(24%-185%)
13C-2,3,4,7,8-PeCDF		3430	4620	pg/g	74.3	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		3260	4620	pg/g	70.6	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		2950	4620	pg/g	63.7	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		3350	4620	pg/g	72.4	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		3390	4620	pg/g	73.3	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535006**	**Date Collected:**	**12/17/2020 11:35**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**64.5**
Client ID:	**CB-5**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/04/2021 04:41**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-13**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.22 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		3800	4620	pg/g	82.2	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		4150	4620	pg/g	89.8	(26%-138%)
37Cl-2,3,7,8-TCDD		348	462	pg/g	75.2	(35%-197%)

Comments:

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535007**	**Date Collected:**	**12/17/2020 13:10**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**62.4**
Client ID:	**CB-6**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**12/31/2020 03:12**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A30DEC20A_2-10**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.25 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	5.91	pg/g	5.91	21.3
40321-76-4	1,2,3,7,8-PeCDD	U	12.5	pg/g	12.5	106
39227-28-6	1,2,3,4,7,8-HxCDD	U	10.2	pg/g	10.2	106
57653-85-7	1,2,3,6,7,8-HxCDD	U	9.95	pg/g	9.95	106
19408-74-3	1,2,3,7,8,9-HxCDD	U	10.2	pg/g	10.2	106
35822-46-9	1,2,3,4,6,7,8-HpCDD	J	57.0	pg/g	13.9	106
3268-87-9	1,2,3,4,6,7,8,9-OCDD		454	pg/g	11.6	213
51207-31-9	2,3,7,8-TCDF	U	7.65	pg/g	7.65	21.3
57117-41-6	1,2,3,7,8-PeCDF	U	7.69	pg/g	7.69	106
57117-31-4	2,3,4,7,8-PeCDF	U	6.93	pg/g	6.93	106
70648-26-9	1,2,3,4,7,8-HxCDF	J	6.25	pg/g	5.57	106
57117-44-9	1,2,3,6,7,8-HxCDF	U	5.57	pg/g	5.57	106
60851-34-5	2,3,4,6,7,8-HxCDF	U	5.95	pg/g	5.95	106
72918-21-9	1,2,3,7,8,9-HxCDF	U	7.18	pg/g	7.18	106
67562-39-4	1,2,3,4,6,7,8-HpCDF	JK	18.1	pg/g	7.31	106
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	9.14	pg/g	9.14	106
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	27.9	pg/g	9.69	213
41903-57-5	Total TeCDD	U	5.91	pg/g	5.91	21.3
36088-22-9	Total PeCDD	U	12.5	pg/g	12.5	106
34465-46-8	Total HxCDD	U	9.95	pg/g	9.95	106
37871-00-4	Total HpCDD	J	105	pg/g	13.9	106
30402-14-3	Total TeCDF	U	7.65	pg/g	7.65	21.3
30402-15-4	Total PeCDF	BJK	5.87	pg/g	3.05	106
55684-94-1	Total HxCDF	BJK	15.6	pg/g	5.57	106
38998-75-3	Total HpCDF	JK	51.3	pg/g	7.31	106
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		1.52	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		14.7	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		3090	4250	pg/g	72.6	(25%-164%)
13C-1,2,3,7,8-PeCDD		2530	4250	pg/g	59.6	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		3030	4250	pg/g	71.3	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		2900	4250	pg/g	68.2	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		4060	4250	pg/g	95.6	(23%-140%)
13C-OCDD		8340	8500	pg/g	98.2	(17%-157%)
13C-2,3,7,8-TCDF		3600	4250	pg/g	84.8	(24%-169%)
13C-1,2,3,7,8-PeCDF		2280	4250	pg/g	53.6	(24%-185%)
13C-2,3,4,7,8-PeCDF		2350	4250	pg/g	55.3	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		2780	4250	pg/g	65.4	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		2560	4250	pg/g	60.3	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		2840	4250	pg/g	66.9	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		3060	4250	pg/g	72.1	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535007**	**Date Collected:**	**12/17/2020 13:10**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**62.4**
Client ID:	**CB-6**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**12/31/2020 03:12**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A30DEC20A_2-10**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.25 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		3330	4250	pg/g	78.3	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		3890	4250	pg/g	91.5	(26%-138%)
37Cl-2,3,7,8-TCDD		335	425	pg/g	78.8	(35%-197%)

Comments:

B **The target analyte was detected in the associated blank.**
J **Value is estimated**
K **Estimated Maximum Possible Concentration**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535008**	**Date Collected:**	**12/17/2020 12:30**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**65.2**
Client ID:	**CB-7**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**12/31/2020 04:00**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A30DEC20A_2-11**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.04 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	5.69	pg/g	5.69	27.6
40321-76-4	1,2,3,7,8-PeCDD	U	7.74	pg/g	7.74	138
39227-28-6	1,2,3,4,7,8-HxCDD	U	6.97	pg/g	6.97	138
57653-85-7	1,2,3,6,7,8-HxCDD	U	7.24	pg/g	7.24	138
19408-74-3	1,2,3,7,8,9-HxCDD	U	7.19	pg/g	7.19	138
35822-46-9	1,2,3,4,6,7,8-HpCDD	J	108	pg/g	11.1	138
3268-87-9	1,2,3,4,6,7,8,9-OCDD		820	pg/g	15.2	276
51207-31-9	2,3,7,8-TCDF	U	7.52	pg/g	7.52	27.6
57117-41-6	1,2,3,7,8-PeCDF	U	5.42	pg/g	5.42	138
57117-31-4	2,3,4,7,8-PeCDF	U	5.26	pg/g	5.26	138
70648-26-9	1,2,3,4,7,8-HxCDF	JK	6.30	pg/g	6.25	138
57117-44-9	1,2,3,6,7,8-HxCDF	U	6.47	pg/g	6.47	138
60851-34-5	2,3,4,6,7,8-HxCDF	U	6.74	pg/g	6.74	138
72918-21-9	1,2,3,7,8,9-HxCDF	U	8.84	pg/g	8.84	138
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	28.9	pg/g	6.08	138
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	9.90	pg/g	9.90	138
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	43.3	pg/g	9.51	276
41903-57-5	Total TeCDD	U	5.69	pg/g	5.69	27.6
36088-22-9	Total PeCDD	U	7.74	pg/g	7.74	138
34465-46-8	Total HxCDD	JK	32.3	pg/g	6.97	138
37871-00-4	Total HpCDD	J	218	pg/g	11.1	138
30402-14-3	Total TeCDF	U	7.52	pg/g	7.52	27.6
30402-15-4	Total PeCDF	JK	16.2	pg/g	1.63	138
55684-94-1	Total HxCDF	JK	41.6	pg/g	6.25	138
38998-75-3	Total HpCDF	J	69.3	pg/g	6.08	138
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		2.26	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		12.4	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		4960	5530	pg/g	89.7	(25%-164%)
13C-1,2,3,7,8-PeCDD		6750	5530	pg/g	122	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		4020	5530	pg/g	72.8	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		3820	5530	pg/g	69.1	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		4210	5530	pg/g	76.2	(23%-140%)
13C-OCDD		7280	11100	pg/g	65.9	(17%-157%)
13C-2,3,7,8-TCDF		4590	5530	pg/g	83.0	(24%-169%)
13C-1,2,3,7,8-PeCDF		6390	5530	pg/g	116	(24%-185%)
13C-2,3,4,7,8-PeCDF		6480	5530	pg/g	117	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		3800	5530	pg/g	68.8	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		3580	5530	pg/g	64.8	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		3760	5530	pg/g	68.1	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		3950	5530	pg/g	71.4	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17535008**	**Date Collected:**	**12/17/2020 12:30**	**Matrix:**	**SOIL**
Client Sample:	**1613B Soil**	**Date Received:**	**12/22/2020 13:00**	**%Moisture:**	**65.2**
Client ID:	**CB-7**			**Prep Basis:**	**Dry Weight**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**12/31/2020 04:00**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A30DEC20A_2-11**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**1.04 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		3810	5530	pg/g	68.9	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		3750	5530	pg/g	67.9	(26%-138%)
37Cl-2,3,7,8-TCDD		520	553	pg/g	94.2	(35%-197%)

Comments:

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for, but not detected above the specified detection limit.

Quality Control Summary

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A0L0698

Matrix Type: SOLID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
17535007	CB-6	13C-2,3,7,8-TCDD		72.6	(25%-164%)
		13C-1,2,3,7,8-PeCDD		59.6	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		71.3	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		68.2	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		95.6	(23%-140%)
		13C-OCDD		98.2	(17%-157%)
		13C-2,3,7,8-TCDF		84.8	(24%-169%)
		13C-1,2,3,7,8-PeCDF		53.6	(24%-185%)
		13C-2,3,4,7,8-PeCDF		55.3	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		65.4	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		60.3	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		66.9	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		72.1	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		78.3	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		91.5	(26%-138%)
		37Cl-2,3,7,8-TCDD		78.8	(35%-197%)
17535008	CB-7	13C-2,3,7,8-TCDD		89.7	(25%-164%)
		13C-1,2,3,7,8-PeCDD		122	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		72.8	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		69.1	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		76.2	(23%-140%)
		13C-OCDD		65.9	(17%-157%)
		13C-2,3,7,8-TCDF		83.0	(24%-169%)
		13C-1,2,3,7,8-PeCDF		116	(24%-185%)
		13C-2,3,4,7,8-PeCDF		117	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		68.8	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		64.8	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		68.1	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		71.4	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		68.9	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		67.9	(26%-138%)
		37Cl-2,3,7,8-TCDD		94.2	(35%-197%)
12028284	LCS for batch 45694	13C-2,3,7,8-TCDD		77.2	(20%-175%)
		13C-1,2,3,7,8-PeCDD		82.3	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		66.3	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		73.5	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		66.0	(22%-166%)
		13C-OCDD		56.9	(13%-199%)
		13C-2,3,7,8-TCDF		78.3	(22%-152%)
		13C-1,2,3,7,8-PeCDF		84.6	(21%-192%)
		13C-2,3,4,7,8-PeCDF		85.5	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		69.8	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		73.3	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		72.6	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		72.0	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		65.8	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		66.2	(20%-186%)
		37Cl-2,3,7,8-TCDD		79.5	(31%-191%)
12028285	LCSD for batch 45694	13C-2,3,7,8-TCDD		75.7	(20%-175%)

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A0L0698

Matrix Type: SOLID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12028285	LCSD for batch 45694	13C-1,2,3,7,8-PeCDD		79.5	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		65.2	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		73.0	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		69.1	(22%-166%)
		13C-OCDD		64.2	(13%-199%)
		13C-2,3,7,8-TCDF		75.3	(22%-152%)
		13C-1,2,3,7,8-PeCDF		82.9	(21%-192%)
		13C-2,3,4,7,8-PeCDF		82.2	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		70.5	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		72.1	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		71.1	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		71.7	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		70.1	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		64.6	(20%-186%)
		37Cl-2,3,7,8-TCDD		79.6	(31%-191%)
12028283	MB for batch 45694	13C-2,3,7,8-TCDD		74.7	(25%-164%)
		13C-1,2,3,7,8-PeCDD		75.7	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		64.7	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		72.9	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		75.4	(23%-140%)
		13C-OCDD		73.6	(17%-157%)
		13C-2,3,7,8-TCDF		76.5	(24%-169%)
		13C-1,2,3,7,8-PeCDF		79.9	(24%-185%)
		13C-2,3,4,7,8-PeCDF		80.6	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		66.7	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		72.1	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		71.2	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		72.4	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		73.5	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		74.2	(26%-138%)
		37Cl-2,3,7,8-TCDD		82.5	(35%-197%)
17535002	CB-2	13C-2,3,7,8-TCDD		78.7	(25%-164%)
		13C-1,2,3,7,8-PeCDD		97.4	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		69.7	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		71.0	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		82.2	(23%-140%)
		13C-OCDD		80.2	(17%-157%)
		13C-2,3,7,8-TCDF		85.6	(24%-169%)
		13C-1,2,3,7,8-PeCDF		97.8	(24%-185%)
		13C-2,3,4,7,8-PeCDF		99.5	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		70.4	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		68.9	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		71.5	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		72.0	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		75.2	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		80.6	(26%-138%)
		37Cl-2,3,7,8-TCDD		86.0	(35%-197%)
17535003	CB-3	13C-2,3,7,8-TCDD		70.2	(25%-164%)
		13C-1,2,3,7,8-PeCDD		75.7	(25%-181%)

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A0L0698

Matrix Type: SOLID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
17535003	CB-3	13C-1,2,3,4,7,8-HxCDD		67.8	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		69.6	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		76.8	(23%-140%)
		13C-OCDD		74.2	(17%-157%)
		13C-2,3,7,8-TCDF		77.3	(24%-169%)
		13C-1,2,3,7,8-PeCDF		77.8	(24%-185%)
		13C-2,3,4,7,8-PeCDF		78.4	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		68.8	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		68.9	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		70.2	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		71.0	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		71.1	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		70.4	(26%-138%)
		37Cl-2,3,7,8-TCDD		75.4	(35%-197%)
17535004	CB-4	13C-2,3,7,8-TCDD		77.8	(25%-164%)
		13C-1,2,3,7,8-PeCDD		94.5	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		66.5	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		70.0	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		81.4	(23%-140%)
		13C-OCDD		81.2	(17%-157%)
		13C-2,3,7,8-TCDF		76.3	(24%-169%)
		13C-1,2,3,7,8-PeCDF		97.2	(24%-185%)
		13C-2,3,4,7,8-PeCDF		97.3	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		67.0	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		67.4	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		70.9	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		72.0	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		74.4	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		78.6	(26%-138%)
		37Cl-2,3,7,8-TCDD		86.1	(35%-197%)
17535005	CB-4_DUP	13C-2,3,7,8-TCDD		85.6	(25%-164%)
		13C-1,2,3,7,8-PeCDD		103	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		74.8	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		74.4	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		90.8	(23%-140%)
		13C-OCDD		88.0	(17%-157%)
		13C-2,3,7,8-TCDF		86.1	(24%-169%)
		13C-1,2,3,7,8-PeCDF		105	(24%-185%)
		13C-2,3,4,7,8-PeCDF		105	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		74.8	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		73.3	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		76.3	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		77.9	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		82.6	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		87.0	(26%-138%)
		37Cl-2,3,7,8-TCDD		87.9	(35%-197%)
17535006	CB-5	13C-2,3,7,8-TCDD		82.1	(25%-164%)
		13C-1,2,3,7,8-PeCDD		74.3	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		72.3	(32%-141%)

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A0L0698

Matrix Type: SOLID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
17535006	CB-5	13C-1,2,3,6,7,8-HxCDD		72.6	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		92.1	(23%-140%)
		13C-OCDD		95.5	(17%-157%)
		13C-2,3,7,8-TCDF		85.2	(24%-169%)
		13C-1,2,3,7,8-PeCDF		75.2	(24%-185%)
		13C-2,3,4,7,8-PeCDF		74.3	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		70.6	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		63.7	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		72.4	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		73.3	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		82.2	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		89.8	(26%-138%)
		37Cl-2,3,7,8-TCDD		75.2	(35%-197%)
17535001	CB-1	13C-2,3,7,8-TCDD		86.2	(25%-164%)
		13C-1,2,3,7,8-PeCDD		86.9	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		74.7	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		73.6	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		85.5	(23%-140%)
		13C-OCDD		80.5	(17%-157%)
		13C-2,3,7,8-TCDF		87.4	(24%-169%)
		13C-1,2,3,7,8-PeCDF		95.0	(24%-185%)
		13C-2,3,4,7,8-PeCDF		93.7	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		77.2	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		77.7	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		77.8	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		80.7	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		83.7	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		87.9	(26%-138%)
		37Cl-2,3,7,8-TCDD		85.0	(35%-197%)

* Recovery outside Acceptance Limits
# Column to be used to flag recovery values
D Sample Diluted

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: A0L0698 **Sample Type:** Laboratory Control Sample

Client ID: LCS for batch 45694 **Matrix:** SOIL

Lab Sample ID: 12028284

Instrument: HRP750 **Analysis Date:** 01/03/2021 19:02 **Dilution:** 1

Analyst: MJC **Prep Batch ID:** 45694

Batch ID: 45696

CAS No.		Parmname	Amount Added pg/g	Spike Conc. pg/g	Recovery %	Acceptance Limits
1746-01-6	LCS	2,3,7,8-TCDD	20.0	17.3	86.3	67-158
40321-76-4	LCS	1,2,3,7,8-PeCDD	100	99.2	99.2	70-142
39227-28-6	LCS	1,2,3,4,7,8-HxCDD	100	97.1	97.1	70-164
57653-85-7	LCS	1,2,3,6,7,8-HxCDD	100	97.0	97	76-134
19408-74-3	LCS	1,2,3,7,8,9-HxCDD	100	97.9	97.9	64-162
35822-46-9	LCS	1,2,3,4,6,7,8-HpCDD	100	91.2	91.2	70-140
3268-87-9	LCS	1,2,3,4,6,7,8,9-OCDD	200	182	91.1	78-144
51207-31-9	LCS	2,3,7,8-TCDF	20.0	17.6	87.8	75-158
57117-41-6	LCS	1,2,3,7,8-PeCDF	100	91.3	91.3	80-134
57117-31-4	LCS	2,3,4,7,8-PeCDF	100	95.3	95.3	68-160
70648-26-9	LCS	1,2,3,4,7,8-HxCDF	100	92.3	92.3	72-134
57117-44-9	LCS	1,2,3,6,7,8-HxCDF	100	93.4	93.4	84-130
60851-34-5	LCS	2,3,4,6,7,8-HxCDF	100	88.9	88.9	70-156
72918-21-9	LCS	1,2,3,7,8,9-HxCDF	100	94.1	94.1	78-130
67562-39-4	LCS	1,2,3,4,6,7,8-HpCDF	100	88.8	88.8	82-122
55673-89-7	LCS	1,2,3,4,7,8,9-HpCDF	100	90.4	90.4	78-138
39001-02-0	LCS	1,2,3,4,6,7,8,9-OCDF	200	185	92.6	63-170

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: A0L0698 **Sample Type:** Laboratory Control Sample Duplicate

Client ID: LCSD for batch 45694 **Matrix:** SOIL

Lab Sample ID: 12028285

Instrument: HRP750 **Analysis Date:** 01/03/2021 19:50 **Dilution:** 1

Analyst: MJC **Prep Batch ID:** 45694

Batch ID: 45696

CAS No.		Parmname	Amount Added pg/g	Spike Conc. pg/g	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
1746-01-6	LCSD	2,3,7,8-TCDD	20.0	17.6	88.2	67-158	2.21	0-20
40321-76-4	LCSD	1,2,3,7,8-PeCDD	100	101	101	70-142	1.40	0-20
39227-28-6	LCSD	1,2,3,4,7,8-HxCDD	100	102	102	70-164	4.70	0-20
57653-85-7	LCSD	1,2,3,6,7,8-HxCDD	100	94.5	94.5	76-134	2.61	0-20
19408-74-3	LCSD	1,2,3,7,8,9-HxCDD	100	99.9	99.9	64-162	2.08	0-20
35822-46-9	LCSD	1,2,3,4,6,7,8-HpCDD	100	92.8	92.8	70-140	1.80	0-20
3268-87-9	LCSD	1,2,3,4,6,7,8,9-OCDD	200	191	95.5	78-144	4.65	0-20
51207-31-9	LCSD	2,3,7,8-TCDF	20.0	18.7	93.3	75-158	6.14	0-20
57117-41-6	LCSD	1,2,3,7,8-PeCDF	100	93.7	93.7	80-134	2.55	0-20
57117-31-4	LCSD	2,3,4,7,8-PeCDF	100	99.9	99.9	68-160	4.70	0-20
70648-26-9	LCSD	1,2,3,4,7,8-HxCDF	100	92.9	92.9	72-134	0.618	0-20
57117-44-9	LCSD	1,2,3,6,7,8-HxCDF	100	95.8	95.8	84-130	2.51	0-20
60851-34-5	LCSD	2,3,4,6,7,8-HxCDF	100	95.1	95.1	70-156	6.69	0-20
72918-21-9	LCSD	1,2,3,7,8,9-HxCDF	100	94.0	94	78-130	0.136	0-20
67562-39-4	LCSD	1,2,3,4,6,7,8-HpCDF	100	92.9	92.9	82-122	4.58	0-20
55673-89-7	LCSD	1,2,3,4,7,8,9-HpCDF	100	91.0	91	78-138	0.684	0-20
39001-02-0	LCSD	1,2,3,4,6,7,8,9-OCDF	200	197	98.4	63-170	6.06	0-20

Method Blank Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Matrix:**	**SOIL**
Client ID:	**MB for batch 45694**	**Instrument ID:**	**HRP750**	**Data File:**	**A03JAN21A_2-3**
Lab Sample ID:	**12028283**	**Prep Date:**	**28-DEC-20**	**Analyzed:**	**01/03/21 20:38**
Column:					

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	CB-6	17535007	A30DEC20A_2-10	12/31/20	0312
02	CB-7	17535008	A30DEC20A_2-11	12/31/20	0400
03	LCS for batch 45694	12028284	A03JAN21A_2-1	01/03/21	1902
04	LCSD for batch 45694	12028285	A03JAN21A_2-2	01/03/21	1950
05	CB-2	17535002	A03JAN21A_2-9	01/04/21	0128
06	CB-3	17535003	A03JAN21A_2-10	01/04/21	0216
07	CB-4	17535004	A03JAN21A_2-11	01/04/21	0304
08	CB-4_DUP	17535005	A03JAN21A_2-12	01/04/21	0353
09	CB-5	17535006	A03JAN21A_2-13	01/04/21	0441
10	CB-4_DUP	17535005	e04jan21a-5	01/04/21	1224
11	CB-1	17535001	A06JAN21A_2-5	01/06/21	1752

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12028283**			**Matrix:**	**SOIL**
Client Sample:	**QC for batch 45694**				
Client ID:	**MB for batch 45694**			**Prep Basis:**	**As Received**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/03/2021 20:38**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-3**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**10 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	0.242	pg/g	0.242	1.00
40321-76-4	1,2,3,7,8-PeCDD	JK	0.368	pg/g	0.200	5.00
39227-28-6	1,2,3,4,7,8-HxCDD	JK	0.312	pg/g	0.228	5.00
57653-85-7	1,2,3,6,7,8-HxCDD	JK	0.360	pg/g	0.224	5.00
19408-74-3	1,2,3,7,8,9-HxCDD	JK	0.394	pg/g	0.228	5.00
35822-46-9	1,2,3,4,6,7,8-HpCDD	JK	0.490	pg/g	0.384	5.00
3268-87-9	1,2,3,4,6,7,8,9-OCDD	J	1.53	pg/g	0.406	10.0
51207-31-9	2,3,7,8-TCDF	U	0.246	pg/g	0.246	1.00
57117-41-6	1,2,3,7,8-PeCDF	J	0.400	pg/g	0.167	5.00
57117-31-4	2,3,4,7,8-PeCDF	JK	0.324	pg/g	0.163	5.00
70648-26-9	1,2,3,4,7,8-HxCDF	J	0.480	pg/g	0.135	5.00
57117-44-9	1,2,3,6,7,8-HxCDF	JK	0.328	pg/g	0.133	5.00
60851-34-5	2,3,4,6,7,8-HxCDF	J	0.314	pg/g	0.139	5.00
72918-21-9	1,2,3,7,8,9-HxCDF	J	0.378	pg/g	0.192	5.00
67562-39-4	1,2,3,4,6,7,8-HpCDF	JK	0.578	pg/g	0.153	5.00
55673-89-7	1,2,3,4,7,8,9-HpCDF	JK	0.338	pg/g	0.242	5.00
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	0.734	pg/g	0.286	10.0
41903-57-5	Total TeCDD	U	0.242	pg/g	0.242	1.00
36088-22-9	Total PeCDD	JK	0.368	pg/g	0.200	5.00
34465-46-8	Total HxCDD	JK	1.07	pg/g	0.224	5.00
37871-00-4	Total HpCDD	JK	0.490	pg/g	0.384	5.00
30402-14-3	Total TeCDF	U	0.246	pg/g	0.246	1.00
30402-15-4	Total PeCDF	JK	0.934	pg/g	0.0922	5.00
55684-94-1	Total HxCDF	JK	1.69	pg/g	0.133	5.00
38998-75-3	Total HpCDF	JK	0.916	pg/g	0.153	5.00
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.749	pg/g		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		0.882	pg/g		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		149	200	pg/g	74.7	(25%-164%)
13C-1,2,3,7,8-PeCDD		151	200	pg/g	75.7	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		129	200	pg/g	64.7	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		146	200	pg/g	72.9	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		151	200	pg/g	75.4	(23%-140%)
13C-OCDD		294	400	pg/g	73.6	(17%-157%)
13C-2,3,7,8-TCDF		153	200	pg/g	76.5	(24%-169%)
13C-1,2,3,7,8-PeCDF		160	200	pg/g	79.9	(24%-185%)
13C-2,3,4,7,8-PeCDF		161	200	pg/g	80.6	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		133	200	pg/g	66.7	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		144	200	pg/g	72.1	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		142	200	pg/g	71.2	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		145	200	pg/g	72.4	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12028283**			**Matrix:**	**SOIL**
Client Sample:	**QC for batch 45694**				
Client ID:	**MB for batch 45694**			**Prep Basis:**	**As Received**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/03/2021 20:38**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-3**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**10 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		147	200	pg/g	73.5	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		148	200	pg/g	74.2	(26%-138%)
37Cl-2,3,7,8-TCDD		16.5	20.0	pg/g	82.5	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12028284**			**Matrix:**	**SOIL**
Client Sample:	**QC for batch 45694**				
Client ID:	**LCS for batch 45694**			**Prep Basis:**	**As Received**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/03/2021 19:02**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-1**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**10 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		17.3	pg/g	0.294	1.00
40321-76-4	1,2,3,7,8-PeCDD		99.2	pg/g	0.468	5.00
39227-28-6	1,2,3,4,7,8-HxCDD		97.1	pg/g	0.740	5.00
57653-85-7	1,2,3,6,7,8-HxCDD		97.0	pg/g	0.712	5.00
19408-74-3	1,2,3,7,8,9-HxCDD		97.9	pg/g	0.736	5.00
35822-46-9	1,2,3,4,6,7,8-HpCDD		91.2	pg/g	1.46	5.00
3268-87-9	1,2,3,4,6,7,8,9-OCDD		182	pg/g	1.28	10.0
51207-31-9	2,3,7,8-TCDF		17.6	pg/g	0.332	1.00
57117-41-6	1,2,3,7,8-PeCDF		91.3	pg/g	0.466	5.00
57117-31-4	2,3,4,7,8-PeCDF		95.3	pg/g	0.428	5.00
70648-26-9	1,2,3,4,7,8-HxCDF		92.3	pg/g	0.784	5.00
57117-44-9	1,2,3,6,7,8-HxCDF		93.4	pg/g	0.720	5.00
60851-34-5	2,3,4,6,7,8-HxCDF		88.9	pg/g	0.794	5.00
72918-21-9	1,2,3,7,8,9-HxCDF		94.1	pg/g	1.17	5.00
67562-39-4	1,2,3,4,6,7,8-HpCDF		88.8	pg/g	1.12	5.00
55673-89-7	1,2,3,4,7,8,9-HpCDF		90.4	pg/g	1.67	5.00
39001-02-0	1,2,3,4,6,7,8,9-OCDF		185	pg/g	1.56	10.0

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		154	200	pg/g	77.2	(20%-175%)
13C-1,2,3,7,8-PeCDD		165	200	pg/g	82.3	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		133	200	pg/g	66.3	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		147	200	pg/g	73.5	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		132	200	pg/g	66.0	(22%-166%)
13C-OCDD		227	400	pg/g	56.9	(13%-199%)
13C-2,3,7,8-TCDF		157	200	pg/g	78.3	(22%-152%)
13C-1,2,3,7,8-PeCDF		169	200	pg/g	84.6	(21%-192%)
13C-2,3,4,7,8-PeCDF		171	200	pg/g	85.5	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		140	200	pg/g	69.8	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		147	200	pg/g	73.3	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		145	200	pg/g	72.6	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		144	200	pg/g	72.0	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		132	200	pg/g	65.8	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		132	200	pg/g	66.2	(20%-186%)
37Cl-2,3,7,8-TCDD		15.9	20.0	pg/g	79.5	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A0L0698**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12028285**			**Matrix:**	**SOIL**
Client Sample:	**QC for batch 45694**				
Client ID:	**LCSD for batch 45694**			**Prep Basis:**	**As Received**
Batch ID:	**45696**	**Method:**	**EPA Method 1613B**		
Run Date:	**01/03/2021 19:50**	**Analyst:**	**MJC**	**Instrument:**	**HRP750**
Data File:	**A03JAN21A_2-2**			**Dilution:**	**1**
Prep Batch:	**45694**	**Prep Method:**	**SW846 3540C**		
Prep Date:	**28-DEC-20**	**Prep Aliquot:**	**10 g**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		17.6	pg/g	0.342	1.00
40321-76-4	1,2,3,7,8-PeCDD		101	pg/g	0.368	5.00
39227-28-6	1,2,3,4,7,8-HxCDD		102	pg/g	0.472	5.00
57653-85-7	1,2,3,6,7,8-HxCDD		94.5	pg/g	0.480	5.00
19408-74-3	1,2,3,7,8,9-HxCDD		99.9	pg/g	0.482	5.00
35822-46-9	1,2,3,4,6,7,8-HpCDD		92.8	pg/g	1.41	5.00
3268-87-9	1,2,3,4,6,7,8,9-OCDD		191	pg/g	1.23	10.0
51207-31-9	2,3,7,8-TCDF		18.7	pg/g	0.326	1.00
57117-41-6	1,2,3,7,8-PeCDF		93.7	pg/g	0.566	5.00
57117-31-4	2,3,4,7,8-PeCDF		99.9	pg/g	0.550	5.00
70648-26-9	1,2,3,4,7,8-HxCDF		92.9	pg/g	0.666	5.00
57117-44-9	1,2,3,6,7,8-HxCDF		95.8	pg/g	0.664	5.00
60851-34-5	2,3,4,6,7,8-HxCDF		95.1	pg/g	0.686	5.00
72918-21-9	1,2,3,7,8,9-HxCDF		94.0	pg/g	1.07	5.00
67562-39-4	1,2,3,4,6,7,8-HpCDF		92.9	pg/g	0.950	5.00
55673-89-7	1,2,3,4,7,8,9-HpCDF		91.0	pg/g	1.64	5.00
39001-02-0	1,2,3,4,6,7,8,9-OCDF		197	pg/g	1.19	10.0

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		151	200	pg/g	75.7	(20%-175%)
13C-1,2,3,7,8-PeCDD		159	200	pg/g	79.5	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		130	200	pg/g	65.2	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		146	200	pg/g	73.0	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		138	200	pg/g	69.1	(22%-166%)
13C-OCDD		257	400	pg/g	64.2	(13%-199%)
13C-2,3,7,8-TCDF		151	200	pg/g	75.3	(22%-152%)
13C-1,2,3,7,8-PeCDF		166	200	pg/g	82.9	(21%-192%)
13C-2,3,4,7,8-PeCDF		164	200	pg/g	82.2	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		141	200	pg/g	70.5	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		144	200	pg/g	72.1	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		142	200	pg/g	71.1	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		143	200	pg/g	71.7	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		140	200	pg/g	70.1	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		129	200	pg/g	64.6	(20%-186%)
37Cl-2,3,7,8-TCDD		15.9	20.0	pg/g	79.6	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-46895-1
Client Project/Site: A0L0698

For:
Apex Laboratories LLC
6700 SW Sandburg St.
Tigard, Oregon 97223

Attn: Philip Nerenberg

Authorized for release by:
1/6/2021 5:36:32 PM

Lori Thompson, Project Manager I
(714)895-5494
Lori.Thompson@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 11
QC Sample Results 12
QC Association Summary 15
Lab Chronicle 17
Certification Summary 19
Method Summary 20
Sample Summary 21
Chain of Custody 22
Receipt Checklists 24
Correspondence 25

Definitions/Glossary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Job ID: 570-46895-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-46895-1

Comments
No additional comments.

Receipt
The samples were received on 12/22/2020 12:10 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS Semi VOA
Method Organotins SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-118921 and analytical batch 570-119430 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8151A: The continuing calibration verification (CCV) associated with batch 570-120336 recovered above the upper control limit for 2,4-D, 2,4-DB, MCPA, MCPP and Dalapon. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8151A: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 570-118615 and analytical batch 570-119335 exceeded control limits for the following analyte: Dinoseb, Note that this analyte is a known poor performer when analyzed using this method.

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

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

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

Detection Summary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Client Sample ID: CB-1 — Lab Sample ID: 570-46895-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tributyltin	23		8.9	4.4	ug/Kg	1	☼	Organotins SIM	Total/NA
Dibutyltin	29		8.9	2.2	ug/Kg	1	☼	Organotins SIM	Total/NA

Client Sample ID: CB-2 — Lab Sample ID: 570-46895-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibutyltin	9.7		4.1	1.0	ug/Kg	1	☼	Organotins SIM	Total/NA
2,4,5-TP (Silvex)	15		15	5.3	ug/Kg	1	☼	8151A	Total/NA

Client Sample ID: CB-3 — Lab Sample ID: 570-46895-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,5-TP (Silvex)	9.4	J p	17	6.3	ug/Kg	1	☼	8151A	Total/NA

Client Sample ID: CB-4 — Lab Sample ID: 570-46895-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,5-TP (Silvex)	24	J	34	12	ug/Kg	1	☼	8151A	Total/NA

Client Sample ID: CB-4_DUP — Lab Sample ID: 570-46895-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4,5-TP (Silvex)	25	J	36	13	ug/Kg	1	☼	8151A	Total/NA

Client Sample ID: CB-5 — Lab Sample ID: 570-46895-6

No Detections.

Client Sample ID: CB-6 — Lab Sample ID: 570-46895-7

No Detections.

Client Sample ID: CB-7 — Lab Sample ID: 570-46895-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method: Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: CB-1
Date Collected: 12/17/20 10:10
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		8.9	2.2	ug/Kg	☼	12/28/20 11:35	12/30/20 17:53	1
Tributyltin	**23**		8.9	4.4	ug/Kg	☼	12/28/20 11:35	12/30/20 17:53	1
Dibutyltin	**29**		8.9	2.2	ug/Kg	☼	12/28/20 11:35	12/30/20 17:53	1
Monobutyltin	ND		8.9	4.1	ug/Kg	☼	12/28/20 11:35	12/30/20 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*47*		*27 - 135*	*12/28/20 11:35*	*12/30/20 17:53*	*1*

Client Sample ID: CB-2
Date Collected: 12/17/20 08:50
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		4.1	1.0	ug/Kg	☼	12/28/20 11:35	12/30/20 18:11	1
Tributyltin	ND		4.1	2.0	ug/Kg	☼	12/28/20 11:35	12/30/20 18:11	1
Dibutyltin	**9.7**		4.1	1.0	ug/Kg	☼	12/28/20 11:35	12/30/20 18:11	1
Monobutyltin	ND		4.1	1.9	ug/Kg	☼	12/28/20 11:35	12/30/20 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*76*		*27 - 135*	*12/28/20 11:35*	*12/30/20 18:11*	*1*

Client Sample ID: CB-3
Date Collected: 12/17/20 09:15
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		5.0	1.2	ug/Kg	☼	12/28/20 11:35	12/30/20 18:29	1
Tributyltin	ND		5.0	2.5	ug/Kg	☼	12/28/20 11:35	12/30/20 18:29	1
Dibutyltin	ND		5.0	1.2	ug/Kg	☼	12/28/20 11:35	12/30/20 18:29	1
Monobutyltin	ND		5.0	2.3	ug/Kg	☼	12/28/20 11:35	12/30/20 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*34*		*27 - 135*	*12/28/20 11:35*	*12/30/20 18:29*	*1*

Client Sample ID: CB-4
Date Collected: 12/17/20 11:00
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		10	2.5	ug/Kg	☼	12/28/20 11:35	12/30/20 18:46	1
Tributyltin	ND		10	5.0	ug/Kg	☼	12/28/20 11:35	12/30/20 18:46	1
Dibutyltin	ND		10	2.5	ug/Kg	☼	12/28/20 11:35	12/30/20 18:46	1
Monobutyltin	ND		10	4.7	ug/Kg	☼	12/28/20 11:35	12/30/20 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*37*		*27 - 135*	*12/28/20 11:35*	*12/30/20 18:46*	*1*

Client Sample ID: CB-4_DUP
Date Collected: 12/17/20 11:05
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		11	2.8	ug/Kg	☼	12/28/20 11:35	12/30/20 19:03	1
Tributyltin	ND		11	5.5	ug/Kg	☼	12/28/20 11:35	12/30/20 19:03	1
Dibutyltin	ND		11	2.7	ug/Kg	☼	12/28/20 11:35	12/30/20 19:03	1

Method: Organotins SIM - Organotins (GC/MS SIM) (Continued)

Client Sample ID: CB-4_DUP
Date Collected: 12/17/20 11:05
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Monobutyltin	ND		11	5.1	ug/Kg	☼	12/28/20 11:35	12/30/20 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*39*		*27 - 135*	*12/28/20 11:35*	*12/30/20 19:03*	*1*

Client Sample ID: CB-5
Date Collected: 12/17/20 11:35
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		9.0	2.2	ug/Kg	☼	12/28/20 11:35	12/30/20 19:20	1
Tributyltin	ND		9.0	4.5	ug/Kg	☼	12/28/20 11:35	12/30/20 19:20	1
Dibutyltin	ND		9.0	2.2	ug/Kg	☼	12/28/20 11:35	12/30/20 19:20	1
Monobutyltin	ND		9.0	4.2	ug/Kg	☼	12/28/20 11:35	12/30/20 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*68*		*27 - 135*	*12/28/20 11:35*	*12/30/20 19:20*	*1*

Client Sample ID: CB-6
Date Collected: 12/17/20 13:10
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		8.7	2.2	ug/Kg	☼	12/28/20 11:35	12/30/20 19:37	1
Tributyltin	ND		8.7	4.3	ug/Kg	☼	12/28/20 11:35	12/30/20 19:37	1
Dibutyltin	ND		8.7	2.1	ug/Kg	☼	12/28/20 11:35	12/30/20 19:37	1
Monobutyltin	ND		8.7	4.0	ug/Kg	☼	12/28/20 11:35	12/30/20 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*49*		*27 - 135*	*12/28/20 11:35*	*12/30/20 19:37*	*1*

Client Sample ID: CB-7
Date Collected: 12/17/20 12:30
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		7.4	1.8	ug/Kg	☼	12/28/20 11:35	01/04/21 14:09	1
Tributyltin	ND		7.4	3.7	ug/Kg	☼	12/28/20 11:35	01/04/21 14:09	1
Dibutyltin	ND		7.4	1.8	ug/Kg	☼	12/28/20 11:35	01/04/21 14:09	1
Monobutyltin	ND		7.4	3.4	ug/Kg	☼	12/28/20 11:35	01/04/21 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*70*		*27 - 135*	*12/28/20 11:35*	*01/04/21 14:09*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: CB-1
Date Collected: 12/17/20 10:10
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		31	12	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
2,4,5-TP (Silvex)	ND		31	11	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
2,4-D	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
2,4-DB	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
Dalapon	ND		780	230	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
Dicamba	ND		31	15	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
Dichlorprop	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
Dinoseb	ND		310	60	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
MCPA	ND		62000	33000	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1
MCPP	ND		31000	21000	ug/Kg	☼	12/23/20 18:53	01/05/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*74*		*21 - 161*	*12/23/20 18:53*	*01/05/21 17:38*	*1*

Client Sample ID: CB-2
Date Collected: 12/17/20 08:50
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		15	5.4	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
2,4,5-TP (Silvex)	**15**		15	5.3	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
2,4-D	ND		150	71	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
2,4-DB	ND		150	68	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
Dalapon	ND		370	110	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
Dicamba	ND		15	6.9	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
Dichlorprop	ND		150	72	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
Dinoseb	ND		150	28	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
MCPA	ND		29000	15000	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1
MCPP	ND		15000	9700	ug/Kg	☼	12/23/20 18:53	01/05/21 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*77*		*21 - 161*	*12/23/20 18:53*	*01/05/21 18:01*	*1*

Client Sample ID: CB-3
Date Collected: 12/17/20 09:15
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	6.4	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
2,4,5-TP (Silvex)	**9.4**	**J p**	17	6.3	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
2,4-D	ND		170	84	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
2,4-DB	ND		170	81	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
Dalapon	ND		430	130	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
Dicamba	ND		17	8.2	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
Dichlorprop	ND		170	85	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
Dinoseb	ND		170	33	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
MCPA	ND		35000	18000	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1
MCPP	ND		17000	11000	ug/Kg	☼	12/23/20 18:53	01/05/21 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*60*		*21 - 161*	*12/23/20 18:53*	*01/05/21 18:24*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: CB-4
Date Collected: 12/17/20 11:00
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		34	13	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
2,4,5-TP (Silvex)	**24**	**J**	34	12	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
2,4-D	ND		340	170	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
2,4-DB	ND		340	160	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
Dalapon	ND		860	250	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
Dicamba	ND		34	16	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
Dichlorprop	ND		340	170	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
Dinoseb	ND		340	66	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
MCPA	ND		69000	36000	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1
MCPP	ND		34000	23000	ug/Kg	☼	12/23/20 18:53	01/05/21 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*66*		*21 - 161*	*12/23/20 18:53*	*01/05/21 18:47*	*1*

Client Sample ID: CB-4_DUP
Date Collected: 12/17/20 11:05
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		36	13	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
2,4,5-TP (Silvex)	**25**	**J**	36	13	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
2,4-D	ND		360	180	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
2,4-DB	ND		360	170	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
Dalapon	ND		910	260	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
Dicamba	ND		36	17	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
Dichlorprop	ND		360	180	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
Dinoseb	ND		360	70	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
MCPA	ND		73000	38000	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1
MCPP	ND		36000	24000	ug/Kg	☼	12/23/20 18:53	01/05/21 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*21 - 161*	*12/23/20 18:53*	*01/05/21 19:10*	*1*

Client Sample ID: CB-5
Date Collected: 12/17/20 11:35
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		31	12	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
2,4,5-TP (Silvex)	ND		31	11	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
2,4-D	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
2,4-DB	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
Dalapon	ND		790	230	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
Dicamba	ND		31	15	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
Dichlorprop	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
Dinoseb	ND		310	60	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
MCPA	ND		63000	33000	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1
MCPP	ND		31000	21000	ug/Kg	☼	12/23/20 18:53	01/05/21 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*53*		*21 - 161*	*12/23/20 18:53*	*01/05/21 19:33*	*1*

Method: 8151A - Herbicides (GC)

Client Sample ID: CB-6
Date Collected: 12/17/20 13:10
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		31	12	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
2,4,5-TP (Silvex)	ND		31	11	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
2,4-D	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
2,4-DB	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
Dalapon	ND		780	230	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
Dicamba	ND		31	15	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
Dichlorprop	ND		310	150	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
Dinoseb	ND		310	60	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
MCPA	ND		62000	33000	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1
MCPP	ND		31000	21000	ug/Kg	☼	12/23/20 18:53	01/05/21 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*80*		*21 - 161*	*12/23/20 18:53*	*01/05/21 19:56*	*1*

Client Sample ID: CB-7
Date Collected: 12/17/20 12:30
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	9.2	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
2,4,5-TP (Silvex)	ND		25	9.1	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
2,4-D	ND		250	120	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
2,4-DB	ND		250	120	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
Dalapon	ND		620	180	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
Dicamba	ND		25	12	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
Dichlorprop	ND		250	120	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
Dinoseb	ND		250	48	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
MCPA	ND		50000	26000	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1
MCPP	ND		25000	16000	ug/Kg	☼	12/23/20 18:53	01/05/21 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*108*		*21 - 161*	*12/23/20 18:53*	*01/05/21 20:18*	*1*

Surrogate Summary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TPTT (27-135)
570-46895-1	CB-1	47
570-46895-2	CB-2	76
570-46895-3	CB-3	34
570-46895-4	CB-4	37
570-46895-5	CB-4_DUP	39
570-46895-6	CB-5	68
570-46895-7	CB-6	49
570-46895-8	CB-7	70
660-106910-A-1-A MS	Matrix Spike	29
660-106910-A-1-B MSD	Matrix Spike Duplicate	30
LCS 570-118921/2-A	Lab Control Sample	49
LCSD 570-118921/3-A	Lab Control Sample Dup	46
MB 570-118921/1-A	Method Blank	56

Surrogate Legend

TPTT = Tripentyltin

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DCPAA1 (21-161)
570-46680-D-7-B MS	Matrix Spike	22
570-46680-D-7-C MSD	Matrix Spike Duplicate	23
570-46895-1	CB-1	74
570-46895-2	CB-2	77
570-46895-3	CB-3	60
570-46895-4	CB-4	66
570-46895-5	CB-4_DUP	68
570-46895-6	CB-5	53
570-46895-7	CB-6	80
570-46895-8	CB-7	108
LCS 570-118615/2-A	Lab Control Sample	62
LCSD 570-118615/3-A	Lab Control Sample Dup	63
MB 570-118615/1-A	Method Blank	36

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-118921/1-A
Matrix: Solid
Analysis Batch: 119430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.0	0.74	ug/Kg		12/28/20 11:35	12/30/20 12:39	1
Tributyltin	ND		3.0	1.5	ug/Kg		12/28/20 11:35	12/30/20 12:39	1
Dibutyltin	ND		3.0	0.73	ug/Kg		12/28/20 11:35	12/30/20 12:39	1
Monobutyltin	ND		3.0	1.4	ug/Kg		12/28/20 11:35	12/30/20 12:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*56*		*27 - 135*	*12/28/20 11:35*	*12/30/20 12:39*	*1*

Lab Sample ID: LCS 570-118921/2-A
Matrix: Solid
Analysis Batch: 119430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118921

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrabutyltin			100	73.07		ug/Kg		73	40 - 142		
Tributyltin			100	55.20		ug/Kg		55	33 - 147		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin			*49*		*27 - 135*

Lab Sample ID: LCSD 570-118921/3-A
Matrix: Solid
Analysis Batch: 119430

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 118921

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrabutyltin			100	64.19		ug/Kg		64	40 - 142	13	20
Tributyltin			100	49.50		ug/Kg		49	33 - 147	11	20

Surrogate			*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin			*46*		*27 - 135*

Lab Sample ID: 660-106910-A-1-A MS
Matrix: Solid
Analysis Batch: 119430

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 118921

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrabutyltin	ND	F1	99.5	28.15	F1	ug/Kg		28	33 - 129		
Tributyltin	1.5	J F1	99.5	26.01	F1	ug/Kg		26	34 - 142		

Surrogate			*MS %Recovery*	*MS Qualifier*	*Limits*
Tripentyltin			*29*		*27 - 135*

Lab Sample ID: 660-106910-A-1-B MSD
Matrix: Solid
Analysis Batch: 119430

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 118921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrabutyltin	ND	F1	99.0	36.85		ug/Kg		37	33 - 129	27	36

Method: Organotins SIM - Organotins (GC/MS SIM) (Continued)

Lab Sample ID: 660-106910-A-1-B MSD
Matrix: Solid
Analysis Batch: 119430

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 118921

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tributyltin	1.5	J F1	99.0	28.62	F1	ug/Kg		29	34 - 142	10	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tripentyltin	*30*		*27 - 135*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 570-118615/1-A
Matrix: Solid
Analysis Batch: 119335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 118615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		9.9	3.7	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
2,4,5-TP (Silvex)	ND		9.9	3.6	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
2,4-D	ND		99	48	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
2,4-DB	ND		99	46	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
Dalapon	ND		250	72	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
Dicamba	ND		9.9	4.7	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
Dichlorprop	ND		99	49	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
Dinoseb	ND		99	19	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
MCPA	ND		20000	10000	ug/Kg		12/23/20 18:52	12/29/20 22:02	1
MCPP	ND		9900	6500	ug/Kg		12/23/20 18:52	12/29/20 22:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*36*		*21 - 161*	*12/23/20 18:52*	*12/29/20 22:02*	*1*

Lab Sample ID: LCS 570-118615/2-A
Matrix: Solid
Analysis Batch: 119335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 118615

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			40.1	40.88		ug/Kg		102	20 - 153		
2,4-D			401	321.1		ug/Kg		80	20 - 153		
2,4-DB			401	392.6		ug/Kg		98	20 - 180		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*62*		*21 - 161*

Lab Sample ID: LCSD 570-118615/3-A
Matrix: Solid
Analysis Batch: 119335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 118615

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			38.6	50.29		ug/Kg		130	20 - 153	21	30
2,4-D			386	333.9		ug/Kg		86	20 - 153	4	30
2,4-DB			386	390.8		ug/Kg		101	20 - 180	0	30

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 570-118615/3-A
Matrix: Solid
Analysis Batch: 119335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 118615

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*63*		*21 - 161*

Lab Sample ID: 570-46680-D-7-B MS
Matrix: Solid
Analysis Batch: 119335

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 118615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T	ND		40.5	29.42		ug/Kg		73	20 - 168		
2,4-D	ND		405	211.8		ug/Kg		52	20 - 149		
2,4-DB	ND	F1	405	71.91	J F1	ug/Kg		18	20 - 180		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*22*		*21 - 161*

Lab Sample ID: 570-46680-D-7-C MSD
Matrix: Solid
Analysis Batch: 119335

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 118615

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T	ND		41.0	28.49		ug/Kg		70	20 - 168	3	40
2,4-D	ND		410	267.3		ug/Kg		65	20 - 149	23	38
2,4-DB	ND	F1	410	76.50	J F1	ug/Kg		19	20 - 180	6	40

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*23*		*21 - 161*

QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

GC/MS Semi VOA

Prep Batch: 118921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46895-1	CB-1	Total/NA	Solid	Organotin Prep	
570-46895-2	CB-2	Total/NA	Solid	Organotin Prep	
570-46895-3	CB-3	Total/NA	Solid	Organotin Prep	
570-46895-4	CB-4	Total/NA	Solid	Organotin Prep	
570-46895-5	CB-4_DUP	Total/NA	Solid	Organotin Prep	
570-46895-6	CB-5	Total/NA	Solid	Organotin Prep	
570-46895-7	CB-6	Total/NA	Solid	Organotin Prep	
570-46895-8	CB-7	Total/NA	Solid	Organotin Prep	
MB 570-118921/1-A	Method Blank	Total/NA	Solid	Organotin Prep	
LCS 570-118921/2-A	Lab Control Sample	Total/NA	Solid	Organotin Prep	
LCSD 570-118921/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotin Prep	
660-106910-A-1-A MS	Matrix Spike	Total/NA	Solid	Organotin Prep	
660-106910-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	Organotin Prep	

Analysis Batch: 119430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46895-1	CB-1	Total/NA	Solid	Organotins SIM	118921
570-46895-2	CB-2	Total/NA	Solid	Organotins SIM	118921
570-46895-3	CB-3	Total/NA	Solid	Organotins SIM	118921
570-46895-4	CB-4	Total/NA	Solid	Organotins SIM	118921
570-46895-5	CB-4_DUP	Total/NA	Solid	Organotins SIM	118921
570-46895-6	CB-5	Total/NA	Solid	Organotins SIM	118921
570-46895-7	CB-6	Total/NA	Solid	Organotins SIM	118921
MB 570-118921/1-A	Method Blank	Total/NA	Solid	Organotins SIM	118921
LCS 570-118921/2-A	Lab Control Sample	Total/NA	Solid	Organotins SIM	118921
LCSD 570-118921/3-A	Lab Control Sample Dup	Total/NA	Solid	Organotins SIM	118921
660-106910-A-1-A MS	Matrix Spike	Total/NA	Solid	Organotins SIM	118921
660-106910-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	Organotins SIM	118921

Analysis Batch: 120060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46895-8	CB-7	Total/NA	Solid	Organotins SIM	118921

GC Semi VOA

Prep Batch: 118615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46895-1	CB-1	Total/NA	Solid	8151A	
570-46895-2	CB-2	Total/NA	Solid	8151A	
570-46895-3	CB-3	Total/NA	Solid	8151A	
570-46895-4	CB-4	Total/NA	Solid	8151A	
570-46895-5	CB-4_DUP	Total/NA	Solid	8151A	
570-46895-6	CB-5	Total/NA	Solid	8151A	
570-46895-7	CB-6	Total/NA	Solid	8151A	
570-46895-8	CB-7	Total/NA	Solid	8151A	
MB 570-118615/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 570-118615/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 570-118615/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
570-46680-D-7-B MS	Matrix Spike	Total/NA	Solid	8151A	
570-46680-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	

QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

GC Semi VOA

Analysis Batch: 119335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-118615/1-A	Method Blank	Total/NA	Solid	8151A	118615
LCS 570-118615/2-A	Lab Control Sample	Total/NA	Solid	8151A	118615
LCSD 570-118615/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	118615
570-46680-D-7-B MS	Matrix Spike	Total/NA	Solid	8151A	118615
570-46680-D-7-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8151A	118615

Analysis Batch: 120336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46895-1	CB-1	Total/NA	Solid	8151A	118615
570-46895-2	CB-2	Total/NA	Solid	8151A	118615
570-46895-3	CB-3	Total/NA	Solid	8151A	118615
570-46895-4	CB-4	Total/NA	Solid	8151A	118615
570-46895-5	CB-4_DUP	Total/NA	Solid	8151A	118615
570-46895-6	CB-5	Total/NA	Solid	8151A	118615
570-46895-7	CB-6	Total/NA	Solid	8151A	118615
570-46895-8	CB-7	Total/NA	Solid	8151A	118615

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Client Sample ID: CB-1
Date Collected: 12/17/20 10:10
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.2 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			119430	12/30/20 17:53	N8CZ	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			48.8 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 17:38	J7WE	ECL 1
	Instrument ID: GC40									

Client Sample ID: CB-2
Date Collected: 12/17/20 08:50
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.1 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			119430	12/30/20 18:11	N8CZ	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			47.5 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 18:01	J7WE	ECL 1
	Instrument ID: GC40									

Client Sample ID: CB-3
Date Collected: 12/17/20 09:15
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.2 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			119430	12/30/20 18:29	N8CZ	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			49.2 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 18:24	J7WE	ECL 1
	Instrument ID: GC40									

Client Sample ID: CB-4
Date Collected: 12/17/20 11:00
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.06 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			119430	12/30/20 18:46	N8CZ	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			49.7 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 18:47	J7WE	ECL 1
	Instrument ID: GC40									

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Client Sample ID: CB-4_DUP
Date Collected: 12/17/20 11:05
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.15 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			119430	12/30/20 19:03	N8CZ	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			51.8 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 19:10	J7WE	ECL 1
	Instrument ID: GC40									

Client Sample ID: CB-5
Date Collected: 12/17/20 11:35
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.24 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			119430	12/30/20 19:20	N8CZ	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			49.1 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 19:33	J7WE	ECL 1
	Instrument ID: GC40									

Client Sample ID: CB-6
Date Collected: 12/17/20 13:10
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.30 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			119430	12/30/20 19:37	N8CZ	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			47.8 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 19:56	J7WE	ECL 1
	Instrument ID: GC40									

Client Sample ID: CB-7
Date Collected: 12/17/20 12:30
Date Received: 12/22/20 12:10

Lab Sample ID: 570-46895-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin Prep			10.03 g	5 mL	118921	12/28/20 11:35	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			120060	01/04/21 14:09	AJ2Q	ECL 1
	Instrument ID: GCMSY									
Total/NA	Prep	8151A			49.8 g	5 mL	118615	12/23/20 18:53	J7WE	ECL 1
Total/NA	Analysis	8151A		1			120336	01/05/21 20:18	J7WE	ECL 1
	Instrument ID: GC40									

Laboratory References:
ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	ECL 1
8151A	Herbicides (GC)	SW846	ECL 1
8151A	Extraction (Herbicides)	SW846	ECL 1
Organotin Prep	Extraction (Organotins)	None	ECL 1

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

None = None

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

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Apex Laboratories LLC
Project/Site: A0L0698

Job ID: 570-46895-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-46895-1	CB-1	Solid	12/17/20 10:10	12/22/20 12:10	
570-46895-2	CB-2	Solid	12/17/20 08:50	12/22/20 12:10	
570-46895-3	CB-3	Solid	12/17/20 09:15	12/22/20 12:10	
570-46895-4	CB-4	Solid	12/17/20 11:00	12/22/20 12:10	
570-46895-5	CB-4_DUP	Solid	12/17/20 11:05	12/22/20 12:10	
570-46895-6	CB-5	Solid	12/17/20 11:35	12/22/20 12:10	
570-46895-7	CB-6	Solid	12/17/20 13:10	12/22/20 12:10	
570-46895-8	CB-7	Solid	12/17/20 12:30	12/22/20 12:10	

46895

SUBCONTRACT ORDER

Apex Laboratories

AB 12/18/20 **A0L0698**

570-46895 Chain of Custody

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Eurofins_CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone :(714) 895-5494
Fax: (714) 894-7501

AA 12/18/20

Sample Name: CB-1 **Solid** **Sampled: 12/17/20 10:10** (A0L0698-01)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/08/21 17:00	12/31/20 10.10	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 10:10	Sub Eurofins_Calscience
Containers Supplied:			
(B)4 oz Glass Jar			

Sample Name: CB-2 **Solid** **Sampled: 12/17/20 08:50** (A0L0698-02)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/08/21 17:00	12/31/20 08:50	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 08:50	Sub Eurofins_Calscience
Containers Supplied:			
(B)4 oz Glass Jar			

Sample Name: CB-3 **Solid** **Sampled: 12/17/20 09:15** (A0L0698-03)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/08/21 17:00	12/31/20 09:15	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 09:15	Sub Eurofins_Calscience
Containers Supplied:			
(B)4 oz Glass Jar			

Sample Name: CB-4 **Solid** **Sampled: 12/17/20 11:00** (A0L0698-04)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/04/21 17:00	12/31/20 11:00	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 11:00	Sub Eurofins_Calscience
Containers Supplied:			
(B)4 oz Glass Jar			

Standard TAT

Released By: [signature] Date: 12-21-20 Received By: Fed Ex (Shipper) Date:

Released By: Fed Ex (Shipper) Date: Received By: [signature] 12:10 Date: 12/22/2020

3-7/2-9 SW 1/6/2021

SUBCONTRACT ORDER

Apex Laboratories

AB 12/18/20 A0L0698

Sample Name: CB-4_DUP **Solid** **Sampled: 12/17/20 11:05** (A0L0698-05)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/08/21 17:00	12/31/20 11:05	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 11:05	Sub Eurofins_Calscience
Containers Supplied:			
(B)4 oz Glass Jar			

Sample Name: CB-5 **Solid** **Sampled: 12/17/20 11:35** (A0L0698-06)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/08/21 17:00	12/31/20 11:35	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 11:35	Sub Eurofins_Calscience
Containers Supplied.			
(B)4 oz Glass Jar			

Sample Name: CB-6 **Solid** **Sampled: 12/17/20 13:10** (A0L0698-07)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/08/21 17:00	12/31/20 13:10	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 13:10	Sub Eurofins_Calscience
Containers Supplied:			
(B)4 oz Glass Jar			

Sample Name: CB-7 **Solid** **Sampled: 12/17/20 12:30** (A0L0698-08)

Analysis	Due	Expires	Comments
8151A Herbicides (SUB)	01/08/21 17:00	12/31/20 12 30	Sub Eurofins_Calscience
TBT, Butyl Tins (3) (Sub)	01/08/21 17:00	12/31/20 12:30	Sub Eurofins_Calscience
Containers Supplied:			
(B)4 oz Glass Jar			

Standard TAT

Released By: [signature] Date: 12-21-20 — Received By: Fed Ex (Shipper) — Date:

Released By: Fed Ex (Shipper) — Date: — Received By: [signature] — Date: 12/22/2020 12:10

Login Sample Receipt Checklist

Client: Apex Laboratories LLC

Job Number: 570-46895-1

Login Number: 46895
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**32.9**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-2 (A0L0698-02)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**72.0**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-3 (A0L0698-03)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**58.8**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-4 (A0L0698-04)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**29.3**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-4_DUP (A0L0698-05)				**Matrix: Solid**		**Batch: 0120933**		
% Solids	**26.6**	---	1.00	%	1	12/30/20 07:25	EPA 8000D	
CB-5 (A0L0698-06)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**32.4**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-6 (A0L0698-07)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**33.5**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-7 (A0L0698-08)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**40.2**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	

DRAFT REPORT

The results provided in this report are PRELIMINARY and are subject to change based on subsequent analysis, QC validation or final data review. Please use these results with the understanding that they may have not been finalized by the laboratory.

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

ANALYTICAL REPORT

Wednesday, April 21, 2021

Kyle Haggart
GeoDesign, Inc.
9450 SW Commerce Circle
Wilsonville, OR 97070

RE: A1C0750 - Former Automatic Vending Co. - BCSAmerica-1-02

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 A1C0750, which was received by the laboratory on 3/18/2021 at 5:45:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@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.

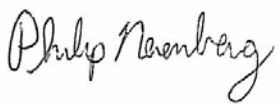
Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler#1	4.6 degC	Cooler#2	5.3 degC
Cooler#3	3.1 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



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1(031821)	A1C0750-01	Water	03/18/21 08:42	03/18/21 17:45
SW-1-DUP(031821)	A1C0750-02	Water	03/18/21 08:48	03/18/21 17:45
SW-2(031821)	A1C0750-03	Water	03/18/21 09:00	03/18/21 17:45
SW-1-TB(031821)	A1C0750-04	Water	03/18/21 00:00	03/18/21 17:45
SW-1-DUP-TB(031821)	A1C0750-05	Water	03/18/21 00:00	03/18/21 17:45
SW-2-TB(031821)	A1C0750-06	Water	03/18/21 00:00	03/18/21 17:45

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01)				**Matrix: Water**		**Batch: 1030960**		
Diesel	ND	0.110	0.220	mg/L	1	03/25/21 07:51	NWTPH-Dx	
Oil	ND	0.220	0.440	mg/L	1	03/25/21 07:51	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 91 %*	*Limits: 50-150 %*		*1*	*03/25/21 07:51*	*NWTPH-Dx*	
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**		**Batch: 1030960**		
Diesel	ND	0.118	0.235	mg/L	1	03/24/21 23:19	NWTPH-Dx	
Oil	ND	0.235	0.471	mg/L	1	03/24/21 23:19	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 99 %*	*Limits: 50-150 %*		*1*	*03/24/21 23:19*	*NWTPH-Dx*	
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1030960**		
Diesel	**0.205**	0.0962	0.192	mg/L	1	03/24/21 23:40	NWTPH-Dx	**F-11, F-15**
Oil	**0.502**	0.192	0.385	mg/L	1	03/24/21 23:40	NWTPH-Dx	**F-16**
Surrogate: o-Terphenyl (Surr)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*03/24/21 23:40*	*NWTPH-Dx*	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

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
SW-1(031821) (A1C0750-01)				**Matrix: Water**		**Batch: 1030808**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	03/22/21 12:51	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 93 %*		*Limits: 50-150 %*	*1*	*03/22/21 12:51*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*102 %*		*50-150 %*	*1*	*03/22/21 12:51*	*NWTPH-Gx (MS)*	
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**		**Batch: 1030808**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	03/22/21 13:19	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 95 %*		*Limits: 50-150 %*	*1*	*03/22/21 13:19*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*102 %*		*50-150 %*	*1*	*03/22/21 13:19*	*NWTPH-Gx (MS)*	
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1030808**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	03/22/21 13:46	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 94 %*		*Limits: 50-150 %*	*1*	*03/22/21 13:46*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*102 %*		*50-150 %*	*1*	*03/22/21 13:46*	*NWTPH-Gx (MS)*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01)				**Matrix: Water**		**Batch: 1030808**		
Acetone	**20.5**	10.0	20.0	ug/L	1	03/22/21 12:51	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/22/21 12:51	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/22/21 12:51	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/22/21 12:51	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/22/21 12:51	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 12:51	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	03/22/21 12:51	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 12:51	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 12:51	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 12:51	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/22/21 12:51	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/22/21 12:51	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/22/21 12:51	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	03/22/21 12:51	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01)				**Matrix: Water**		**Batch: 1030808**		
Naphthalene	ND	2.00	4.00	ug/L	1	03/22/21 12:51	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/22/21 12:51	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	03/22/21 12:51	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/22/21 12:51	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/22/21 12:51	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/22/21 12:51	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/22/21 12:51	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/22/21 12:51	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*	*1*	*03/22/21 12:51*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*		*80-120 %*	*1*	*03/22/21 12:51*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*100 %*		*80-120 %*	*1*	*03/22/21 12:51*	*EPA 8260D*	
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**		**Batch: 1030808**		
Acetone	**20.4**	10.0	20.0	ug/L	1	03/22/21 13:19	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:19	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/22/21 13:19	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/22/21 13:19	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/22/21 13:19	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:19	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	03/22/21 13:19	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:19	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**		**Batch: 1030808**		
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:19	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:19	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/22/21 13:19	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/22/21 13:19	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/22/21 13:19	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	03/22/21 13:19	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	03/22/21 13:19	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:19	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	03/22/21 13:19	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/22/21 13:19	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/22/21 13:19	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/22/21 13:19	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/22/21 13:19	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/22/21 13:19	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*03/22/21 13:19*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*03/22/21 13:19*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*03/22/21 13:19*	*EPA 8260D*	
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1030808**		
Acetone	ND	20.0	20.0	ug/L	1	03/22/21 13:46	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:46	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/22/21 13:46	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/22/21 13:46	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1030808**		
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/22/21 13:46	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:46	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	03/22/21 13:46	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:46	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:46	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:46	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/22/21 13:46	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/22/21 13:46	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/22/21 13:46	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	03/22/21 13:46	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	03/22/21 13:46	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/22/21 13:46	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	03/22/21 13:46	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/22/21 13:46	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/22/21 13:46	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/22/21 13:46	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/22/21 13:46	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/22/21 13:46	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 102 %*		*Limits: 80-120 %*	*1*	*03/22/21 13:46*	*EPA 8260D*	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1030808**		
Surrogate: Toluene-d8 (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*03/22/21 13:46*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*	*1*	*03/22/21 13:46*	*EPA 8260D*	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

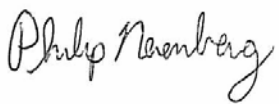
GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01)				**Matrix: Water**		**Batch: 1031037**		
Benzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
Toluene	**0.0677**	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	**J**
Ethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
m,p-Xylene	**0.147**	0.100	0.200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	**J**
o-Xylene	**0.0588**	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	**J**
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	03/26/21 13:47	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*03/26/21 13:47*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*03/26/21 13:47*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*95 %*	*80-120 %*	*1*	*03/26/21 13:47*	*EPA 8260D SIM*	
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**		**Batch: 1031037**		
Benzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
Toluene	**0.0675**	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	**J**
Ethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**		**Batch: 1031037**		
m,p-Xylene	**0.127**	0.100	0.200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	**J**
o-Xylene	ND	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	03/26/21 14:13	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*03/26/21 14:13*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*92 %*	*80-120 %*	*1*	*03/26/21 14:13*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*95 %*	*80-120 %*	*1*	*03/26/21 14:13*	*EPA 8260D SIM*	
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1031037**		
Benzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1031037**		
Chloroform	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	03/26/21 14:40	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*03/26/21 14:40*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*03/26/21 14:40*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*95 %*	*80-120 %*	*1*	*03/26/21 14:40*	*EPA 8260D SIM*	
SW-1-TB(031821) (A1C0750-04)				**Matrix: Water**		**Batch: 1031037**		
Benzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-TB(031821) (A1C0750-04)				**Matrix: Water**		**Batch: 1031037**		
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	03/26/21 12:26	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 103 %*		*Limits: 80-120 %*	*1*	*03/26/21 12:26*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*03/26/21 12:26*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*03/26/21 12:26*	*EPA 8260D SIM*	
SW-1-DUP-TB(031821) (A1C0750-05)				**Matrix: Water**		**Batch: 1031037**		
Benzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-DUP-TB(031821) (A1C0750-05)				**Matrix: Water**		**Batch: 1031037**		
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	03/26/21 12:53	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*03/26/21 12:53*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*03/26/21 12:53*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*03/26/21 12:53*	*EPA 8260D SIM*	
SW-2-TB(031821) (A1C0750-06)				**Matrix: Water**		**Batch: 1031037**		
Benzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-TB(031821) (A1C0750-06)				**Matrix: Water**		**Batch: 1031037**		
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	03/26/21 13:20	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits:* *80-120 %*	*1*	*03/26/21 13:20*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*03/26/21 13:20*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*97 %*	*80-120 %*	*1*	*03/26/21 13:20*	*EPA 8260D SIM*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01)				**Matrix: Water**		**Batch: 1031065**		**C-07**
Aroclor 1016	ND	0.0123	0.0247	ug/L	1	03/29/21 15:56	EPA 8082A	
Aroclor 1221	ND	0.0247	0.0247	ug/L	1	03/29/21 15:56	EPA 8082A	
Aroclor 1232	ND	0.0123	0.0247	ug/L	1	03/29/21 15:56	EPA 8082A	
Aroclor 1242	ND	0.0123	0.0247	ug/L	1	03/29/21 15:56	EPA 8082A	
Aroclor 1248	ND	0.0123	0.0247	ug/L	1	03/29/21 15:56	EPA 8082A	
Aroclor 1254	ND	0.0123	0.0247	ug/L	1	03/29/21 15:56	EPA 8082A	
Aroclor 1260	ND	0.0123	0.0247	ug/L	1	03/29/21 15:56	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 72 %*		*Limits: 40-135 %*	*1*	*03/29/21 15:56*	*EPA 8082A*	
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**		**Batch: 1031065**		**C-07**
Aroclor 1016	ND	0.0106	0.0213	ug/L	1	03/29/21 16:14	EPA 8082A	
Aroclor 1221	ND	0.0213	0.0213	ug/L	1	03/29/21 16:14	EPA 8082A	
Aroclor 1232	ND	0.0106	0.0213	ug/L	1	03/29/21 16:14	EPA 8082A	
Aroclor 1242	ND	0.0106	0.0213	ug/L	1	03/29/21 16:14	EPA 8082A	
Aroclor 1248	ND	0.0106	0.0213	ug/L	1	03/29/21 16:14	EPA 8082A	
Aroclor 1254	ND	0.0106	0.0213	ug/L	1	03/29/21 16:14	EPA 8082A	
Aroclor 1260	ND	0.0106	0.0213	ug/L	1	03/29/21 16:14	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 69 %*		*Limits: 40-135 %*	*1*	*03/29/21 16:14*	*EPA 8082A*	
SW-2(031821) (A1C0750-03)				**Matrix: Water**		**Batch: 1031065**		**C-07**
Aroclor 1016	ND	0.00952	0.0190	ug/L	1	03/29/21 16:31	EPA 8082A	
Aroclor 1221	ND	0.00952	0.0190	ug/L	1	03/29/21 16:31	EPA 8082A	
Aroclor 1232	ND	0.00952	0.0190	ug/L	1	03/29/21 16:31	EPA 8082A	
Aroclor 1242	ND	0.00952	0.0190	ug/L	1	03/29/21 16:31	EPA 8082A	
Aroclor 1248	ND	0.00952	0.0190	ug/L	1	03/29/21 16:31	EPA 8082A	
Aroclor 1254	ND	0.00952	0.0190	ug/L	1	03/29/21 16:31	EPA 8082A	
Aroclor 1260	ND	0.00952	0.0190	ug/L	1	03/29/21 16:31	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 63 %*		*Limits: 40-135 %*	*1*	*03/29/21 16:31*	*EPA 8082A*	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01RE1)				**Matrix: Water**		**Batch: 1030999**		**R-04**
Acenaphthene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Acenaphthylene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Anthracene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Benz(a)anthracene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Benzo(a)pyrene	ND	0.0659	0.132	ug/L	4	03/26/21 19:31	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0659	0.132	ug/L	4	03/26/21 19:31	EPA 8270E	
Benzo(k)fluoranthene	ND	0.0659	0.132	ug/L	4	03/26/21 19:31	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Chrysene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Fluoranthene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Fluorene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
1-Methylnaphthalene	ND	0.0879	0.176	ug/L	4	03/26/21 19:31	EPA 8270E	
2-Methylnaphthalene	ND	0.0879	0.176	ug/L	4	03/26/21 19:31	EPA 8270E	
Naphthalene	ND	0.0879	0.176	ug/L	4	03/26/21 19:31	EPA 8270E	
Phenanthrene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Pyrene	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Carbazole	ND	0.0659	0.132	ug/L	4	03/26/21 19:31	EPA 8270E	
Dibenzofuran	ND	0.0440	0.0879	ug/L	4	03/26/21 19:31	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.879	1.76	ug/L	4	03/26/21 19:31	EPA 8270E	
Butyl benzyl phthalate	ND	0.879	1.76	ug/L	4	03/26/21 19:31	EPA 8270E	
Diethylphthalate	ND	0.879	1.76	ug/L	4	03/26/21 19:31	EPA 8270E	
Dimethylphthalate	ND	0.879	1.76	ug/L	4	03/26/21 19:31	EPA 8270E	
Di-n-butylphthalate	ND	0.879	1.76	ug/L	4	03/26/21 19:31	EPA 8270E	
Di-n-octyl phthalate	ND	0.879	1.76	ug/L	4	03/26/21 19:31	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*57 %*	*Limits: 44-120 %*	*4*	*03/26/21 19:31*	*EPA 8270E*	*Q-41*
2-Fluorobiphenyl (Surr)			*47 %*	*44-120 %*	*4*	*03/26/21 19:31*	*EPA 8270E*	
Phenol-d6 (Surr)			*19 %*	*10-133 %*	*4*	*03/26/21 19:31*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*62 %*	*50-134 %*	*4*	*03/26/21 19:31*	*EPA 8270E*	
2-Fluorophenol (Surr)			*26 %*	*19-120 %*	*4*	*03/26/21 19:31*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*83 %*	*43-140 %*	*4*	*03/26/21 19:31*	*EPA 8270E*	
SW-1-DUP(031821) (A1C0750-02RE1)				**Matrix: Water**		**Batch: 1030999**		**R-04**

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-DUP(031821) (A1C0750-02RE1)				**Matrix: Water**		**Batch: 1030999**		**R-04**
Acenaphthene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Acenaphthylene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Anthracene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Benz(a)anthracene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Benzo(a)pyrene	ND	0.0690	0.138	ug/L	4	03/26/21 20:06	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0690	0.138	ug/L	4	03/26/21 20:06	EPA 8270E	
Benzo(k)fluoranthene	ND	0.0690	0.138	ug/L	4	03/26/21 20:06	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Chrysene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Fluoranthene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Fluorene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
1-Methylnaphthalene	ND	0.0920	0.184	ug/L	4	03/26/21 20:06	EPA 8270E	
2-Methylnaphthalene	ND	0.0920	0.184	ug/L	4	03/26/21 20:06	EPA 8270E	
Naphthalene	ND	0.0920	0.184	ug/L	4	03/26/21 20:06	EPA 8270E	
Phenanthrene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Pyrene	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Carbazole	ND	0.0690	0.138	ug/L	4	03/26/21 20:06	EPA 8270E	
Dibenzofuran	ND	0.0460	0.0920	ug/L	4	03/26/21 20:06	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.920	1.84	ug/L	4	03/26/21 20:06	EPA 8270E	
Butyl benzyl phthalate	ND	0.920	1.84	ug/L	4	03/26/21 20:06	EPA 8270E	
Diethylphthalate	ND	0.920	1.84	ug/L	4	03/26/21 20:06	EPA 8270E	
Dimethylphthalate	ND	0.920	1.84	ug/L	4	03/26/21 20:06	EPA 8270E	
Di-n-butylphthalate	ND	0.920	1.84	ug/L	4	03/26/21 20:06	EPA 8270E	
Di-n-octyl phthalate	ND	0.920	1.84	ug/L	4	03/26/21 20:06	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*56 %*	*Limits: 44-120 %*	*4*	*03/26/21 20:06*	*EPA 8270E*	*Q-41*
2-Fluorobiphenyl (Surr)			*44 %*	*44-120 %*	*4*	*03/26/21 20:06*	*EPA 8270E*	
Phenol-d6 (Surr)			*20 %*	*10-133 %*	*4*	*03/26/21 20:06*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*63 %*	*50-134 %*	*4*	*03/26/21 20:06*	*EPA 8270E*	
2-Fluorophenol (Surr)			*25 %*	*19-120 %*	*4*	*03/26/21 20:06*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*81 %*	*43-140 %*	*4*	*03/26/21 20:06*	*EPA 8270E*	
SW-2(031821) (A1C0750-03RE1)				**Matrix: Water**		**Batch: 1030999**		**R-04**

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(031821) (A1C0750-03RE1)				**Matrix: Water**		**Batch: 1030999**		**R-04**
Acenaphthene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Acenaphthylene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Anthracene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Benz(a)anthracene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Benzo(a)pyrene	ND	0.0561	0.112	ug/L	4	03/26/21 20:42	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0561	0.112	ug/L	4	03/26/21 20:42	EPA 8270E	
Benzo(k)fluoranthene	ND	0.0561	0.112	ug/L	4	03/26/21 20:42	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Chrysene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Fluoranthene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Fluorene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
1-Methylnaphthalene	ND	0.0748	0.150	ug/L	4	03/26/21 20:42	EPA 8270E	
2-Methylnaphthalene	ND	0.0748	0.150	ug/L	4	03/26/21 20:42	EPA 8270E	
Naphthalene	ND	0.0748	0.150	ug/L	4	03/26/21 20:42	EPA 8270E	
Phenanthrene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Pyrene	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Carbazole	ND	0.0561	0.112	ug/L	4	03/26/21 20:42	EPA 8270E	
Dibenzofuran	ND	0.0374	0.0748	ug/L	4	03/26/21 20:42	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.748	1.50	ug/L	4	03/26/21 20:42	EPA 8270E	
Butyl benzyl phthalate	ND	0.748	1.50	ug/L	4	03/26/21 20:42	EPA 8270E	
Diethylphthalate	ND	0.748	1.50	ug/L	4	03/26/21 20:42	EPA 8270E	
Dimethylphthalate	ND	0.748	1.50	ug/L	4	03/26/21 20:42	EPA 8270E	
Di-n-butylphthalate	ND	0.748	1.50	ug/L	4	03/26/21 20:42	EPA 8270E	
Di-n-octyl phthalate	ND	0.748	1.50	ug/L	4	03/26/21 20:42	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*78 %*	*Limits: 44-120 %*	*4*	*03/26/21 20:42*	*EPA 8270E*	*Q-41*
2-Fluorobiphenyl (Surr)			*61 %*	*44-120 %*	*4*	*03/26/21 20:42*	*EPA 8270E*	
Phenol-d6 (Surr)			*28 %*	*10-133 %*	*4*	*03/26/21 20:42*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*62 %*	*50-134 %*	*4*	*03/26/21 20:42*	*EPA 8270E*	
2-Fluorophenol (Surr)			*38 %*	*19-120 %*	*4*	*03/26/21 20:42*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*92 %*	*43-140 %*	*4*	*03/26/21 20:42*	*EPA 8270E*	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01)				**Matrix: Water**				
Batch: 1031154								
Chromium	ND	0.500	1.00	ug/L	1	03/30/21 20:18	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	03/30/21 20:18	EPA 200.8	
Zinc	**79.5**	2.00	4.00	ug/L	1	03/30/21 20:18	EPA 200.8	
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**				
Batch: 1031154								
Chromium	ND	0.500	1.00	ug/L	1	03/30/21 20:23	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	03/30/21 20:23	EPA 200.8	
Zinc	**77.3**	2.00	4.00	ug/L	1	03/30/21 20:23	EPA 200.8	
SW-2(031821) (A1C0750-03)				**Matrix: Water**				
Batch: 1031154								
Chromium	ND	0.500	1.00	ug/L	1	03/30/21 20:28	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	03/30/21 20:28	EPA 200.8	
Zinc	**142**	2.00	4.00	ug/L	1	03/30/21 20:28	EPA 200.8	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(031821) (A1C0750-01)				**Matrix: Water**				
Batch: 1040504								
Arsenic	**0.207**	0.0500	0.100	ug/L	1	04/19/21 16:04	EPA 200.8-LL	
SW-1(031821) (A1C0750-01RE2)				**Matrix: Water**				
Batch: 1040504								
Cadmium	**0.0347**	0.00900	0.0180	ug/L	1	04/19/21 20:05	EPA 200.8-LL	
SW-1-DUP(031821) (A1C0750-02)				**Matrix: Water**				
Batch: 1040504								
Arsenic	**0.185**	0.0500	0.100	ug/L	1	04/19/21 16:11	EPA 200.8-LL	
SW-1-DUP(031821) (A1C0750-02RE1)				**Matrix: Water**				
Batch: 1040504								
Cadmium	**0.0327**	0.00900	0.0180	ug/L	1	04/19/21 19:44	EPA 200.8-LL	
SW-2(031821) (A1C0750-03)				**Matrix: Water**				
Batch: 1040504								
Arsenic	**0.239**	0.0500	0.100	ug/L	1	04/19/21 16:18	EPA 200.8-LL	
Cadmium	**0.0683**	0.00900	0.0180	ug/L	1	04/19/21 16:18	EPA 200.8-LL	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1030960 - EPA 3510C (Fuels/Acid Ext.)									**Water**			
Blank (1030960-BLK1)			Prepared: 03/24/21 13:23		Analyzed: 03/25/21 04:54							
NWTPH-Dx												
Diesel	ND	0.0909	0.182	mg/L	1	---	---	---	---	---	---	
Oil	ND	0.182	0.364	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 93 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (1030960-BS1)			Prepared: 03/24/21 13:23		Analyzed: 03/25/21 05:16							
NWTPH-Dx												
Diesel	1.05	0.100	0.200	mg/L	1	1.25	---	84	59-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 99 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS Dup (1030960-BSD1)			Prepared: 03/24/21 13:23		Analyzed: 03/25/21 05:38							**Q-19**
NWTPH-Dx												
Diesel	1.03	0.100	0.200	mg/L	1	1.25	---	82	59-115%	2	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 97 %*		*Limits: 50-150 %*		*Dilution: 1x*					

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

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 1030808 - EPA 5030B									Water			
Blank (1030808-BLK1)			Prepared: 03/22/21 07:30		Analyzed: 03/22/21 10:33							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 94 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*103 %*		*50-150 %*				*"*			
LCS (1030808-BS2)			Prepared: 03/22/21 07:30		Analyzed: 03/22/21 09:38							
NWTPH-Gx (MS)												
Gasoline Range Organics	0.420	0.0500	0.100	mg/L	1	0.500	---	84	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 102 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*100 %*		*50-150 %*				*"*			
Duplicate (1030808-DUP1)			Prepared: 03/22/21 07:50		Analyzed: 03/22/21 15:08							
QC Source Sample: Non-SDG (A1C0729-04)												
Gasoline Range Organics	**0.873**	0.0500	0.100	mg/L	1	---	0.862	---	---	1	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 105 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*101 %*		*50-150 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
Blank (1030808-BLK1)			Prepared: 03/22/21 07:30 Analyzed: 03/22/21 10:33									
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
Blank (1030808-BLK1)			Prepared: 03/22/21 07:30		Analyzed: 03/22/21 10:33							
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 101 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B									**Water**			
Blank (1030808-BLK1)				Prepared: 03/22/21 07:30 Analyzed: 03/22/21 10:33								
Surr: Toluene-d8 (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*				*"*				
LCS (1030808-BS1)				Prepared: 03/22/21 07:30 Analyzed: 03/22/21 08:53								
EPA 8260D												
Acetone	35.6	10.0	20.0	ug/L	1	40.0	---	89	80-120%	---	---	
Acrylonitrile	19.2	1.00	2.00	ug/L	1	20.0	---	96	80-120%	---	---	
Benzene	18.6	0.100	0.200	ug/L	1	20.0	---	93	80-120%	---	---	
Bromobenzene	19.6	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Bromochloromethane	21.9	0.500	1.00	ug/L	1	20.0	---	109	80-120%	---	---	
Bromodichloromethane	21.9	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
Bromoform	27.2	0.500	1.00	ug/L	1	20.0	---	**136**	**80-120%**	---	---	Q-56
Bromomethane	28.1	5.00	5.00	ug/L	1	20.0	---	**141**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	35.6	5.00	10.0	ug/L	1	40.0	---	89	80-120%	---	---	
n-Butylbenzene	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
sec-Butylbenzene	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
tert-Butylbenzene	18.7	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
Carbon disulfide	18.4	5.00	10.0	ug/L	1	20.0	---	92	80-120%	---	---	
Carbon tetrachloride	23.6	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Chlorobenzene	19.7	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Chloroethane	20.0	5.00	5.00	ug/L	1	20.0	---	100	80-120%	---	---	
Chloroform	20.5	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
Chloromethane	12.9	5.00	5.00	ug/L	1	20.0	---	**64**	**80-120%**	---	---	Q-55
2-Chlorotoluene	19.7	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
4-Chlorotoluene	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Dibromochloromethane	23.0	0.500	1.00	ug/L	1	20.0	---	115	80-120%	---	---	
1,2-Dibromo-3-chloropropane	19.2	2.50	5.00	ug/L	1	20.0	---	96	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.3	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Dibromomethane	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
1,2-Dichlorobenzene	19.8	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,3-Dichlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
1,4-Dichlorobenzene	19.7	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Dichlorodifluoromethane	16.7	0.500	1.00	ug/L	1	20.0	---	84	80-120%	---	---	
1,1-Dichloroethane	18.3	0.200	0.400	ug/L	1	20.0	---	92	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
LCS (1030808-BS1)			Prepared: 03/22/21 07:30 Analyzed: 03/22/21 08:53									
1,2-Dichloroethane (EDC)	19.8	0.200	0.400	ug/L	1	20.0	---	99	80-120%	---	---	
1,1-Dichloroethene	18.7	0.200	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
cis-1,2-Dichloroethene	19.3	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
trans-1,2-Dichloroethene	19.2	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
1,2-Dichloropropane	18.5	0.250	0.500	ug/L	1	20.0	---	92	80-120%	---	---	
1,3-Dichloropropane	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
2,2-Dichloropropane	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
1,1-Dichloropropene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
cis-1,3-Dichloropropene	19.2	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
trans-1,3-Dichloropropene	19.2	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Ethylbenzene	20.0	0.250	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
Hexachlorobutadiene	19.5	2.50	5.00	ug/L	1	20.0	---	97	80-120%	---	---	
2-Hexanone	35.1	5.00	10.0	ug/L	1	40.0	---	88	80-120%	---	---	
Isopropylbenzene	21.3	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
4-Isopropyltoluene	20.9	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
Methylene chloride	19.9	5.00	10.0	ug/L	1	20.0	---	99	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	36.1	5.00	10.0	ug/L	1	40.0	---	90	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	17.3	0.500	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
Naphthalene	16.8	2.00	4.00	ug/L	1	20.0	---	84	80-120%	---	---	
n-Propylbenzene	19.5	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Styrene	21.4	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,1,1,2-Tetrachloroethane	22.4	0.200	0.400	ug/L	1	20.0	---	112	80-120%	---	---	
1,1,2,2-Tetrachloroethane	19.2	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Tetrachloroethene (PCE)	21.2	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
Toluene	18.6	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
1,2,3-Trichlorobenzene	20.3	1.00	2.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2,4-Trichlorobenzene	21.0	1.00	2.00	ug/L	1	20.0	---	105	80-120%	---	---	
1,1,1-Trichloroethane	20.8	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
1,1,2-Trichloroethane	20.7	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
Trichloroethene (TCE)	21.1	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
Trichlorofluoromethane	23.2	1.00	2.00	ug/L	1	20.0	---	116	80-120%	---	---	
1,2,3-Trichloropropane	19.7	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
1,2,4-Trimethylbenzene	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,3,5-Trimethylbenzene	21.6	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
LCS (1030808-BS1)			Prepared: 03/22/21 07:30		Analyzed: 03/22/21 08:53							
Vinyl chloride	18.8	0.200	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
m,p-Xylene	40.6	0.500	1.00	ug/L	1	40.0	---	102	80-120%	---	---	
o-Xylene	19.5	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*95 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*		*"*					
Duplicate (1030808-DUP1)			Prepared: 03/22/21 07:50		Analyzed: 03/22/21 15:08							
QC Source Sample: Non-SDG (A1C0729-04)												
Acetone	ND	20.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	3.00	3.00	ug/L	1	---	ND	---	---	---	30%	R-02
Benzene	**0.204**	0.100	0.200	ug/L	1	---	0.219	---	---	7	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	**0.852**	0.500	1.00	ug/L	1	---	0.802	---	---	6	30%	J
sec-Butylbenzene	**2.70**	0.500	1.00	ug/L	1	---	2.70	---	---	0	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							Water					
Duplicate (1030808-DUP1)			Prepared: 03/22/21 07:50 Analyzed: 03/22/21 15:08									
QC Source Sample: Non-SDG (A1C0729-04)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	**8.58**	0.250	0.500	ug/L	1	---	8.58	---	---	0.01	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	**3.07**	0.500	1.00	ug/L	1	---	3.02	---	---	2	30%	
4-Isopropyltoluene	**0.963**	0.500	1.00	ug/L	1	---	1.00	---	---	4	30%	J
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	**10.5**	2.00	4.00	ug/L	1	---	9.75	---	---	7	30%	
n-Propylbenzene	**4.19**	0.250	0.500	ug/L	1	---	4.20	---	---	0.1	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	**0.657**	0.500	1.00	ug/L	1	---	0.618	---	---	6	30%	J
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
Duplicate (1030808-DUP1)			Prepared: 03/22/21 07:50 Analyzed: 03/22/21 15:08									
QC Source Sample: Non-SDG (A1C0729-04)												
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**8.92**	0.500	1.00	ug/L	1	---	8.79	---	---	2	30%	
1,3,5-Trimethylbenzene	**45.6**	0.500	1.00	ug/L	1	---	45.1	---	---	1	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	**10.1**	0.500	1.00	ug/L	1	---	9.95	---	---	1	30%	
o-Xylene	**0.886**	0.250	0.500	ug/L	1	---	0.841	---	---	5	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*98 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*		*"*					
Matrix Spike (1030808-MS1)			Prepared: 03/22/21 07:50 Analyzed: 03/22/21 20:05									
QC Source Sample: Non-SDG (A1C0767-05)												
EPA 8260D												
Acetone	36.7	10.0	20.0	ug/L	1	40.0	ND	92	39-160%	---	---	
Acrylonitrile	18.6	1.00	2.00	ug/L	1	20.0	ND	93	63-135%	---	---	
Benzene	19.4	0.100	0.200	ug/L	1	20.0	ND	97	79-120%	---	---	
Bromobenzene	20.5	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
Bromochloromethane	22.6	0.500	1.00	ug/L	1	20.0	ND	113	78-123%	---	---	
Bromodichloromethane	22.4	0.500	1.00	ug/L	1	20.0	ND	112	79-125%	---	---	
Bromoform	27.3	0.500	1.00	ug/L	1	20.0	ND	**137**	**66-130%**	---	---	Q-54a
Bromomethane	32.0	5.00	5.00	ug/L	1	20.0	ND	**160**	**53-141%**	---	---	Q-54b
2-Butanone (MEK)	35.6	5.00	10.0	ug/L	1	40.0	ND	89	56-143%	---	---	
n-Butylbenzene	18.9	0.500	1.00	ug/L	1	20.0	ND	95	75-128%	---	---	
sec-Butylbenzene	20.7	0.500	1.00	ug/L	1	20.0	ND	104	77-126%	---	---	
tert-Butylbenzene	19.2	0.500	1.00	ug/L	1	20.0	ND	96	78-124%	---	---	
Carbon disulfide	19.2	5.00	10.0	ug/L	1	20.0	ND	96	64-133%	---	---	
Carbon tetrachloride	24.5	0.500	1.00	ug/L	1	20.0	ND	122	72-136%	---	---	
Chlorobenzene	20.3	0.250	0.500	ug/L	1	20.0	ND	102	80-120%	---	---	
Chloroethane	22.3	5.00	5.00	ug/L	1	20.0	ND	112	60-138%	---	---	
Chloroform	22.1	0.500	1.00	ug/L	1	20.0	0.749	107	79-124%	---	---	
Chloromethane	13.5	5.00	5.00	ug/L	1	20.0	ND	67	50-139%	---	---	Q-54d

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
Matrix Spike (1030808-MS1)			Prepared: 03/22/21 07:50		Analyzed: 03/22/21 20:05							
QC Source Sample: Non-SDG (A1C0767-05)												
2-Chlorotoluene	20.4	0.500	1.00	ug/L	1	20.0	ND	102	79-122%	---	---	
4-Chlorotoluene	19.9	0.500	1.00	ug/L	1	20.0	ND	99	78-122%	---	---	
Dibromochloromethane	22.6	0.500	1.00	ug/L	1	20.0	ND	113	74-126%	---	---	
1,2-Dibromo-3-chloropropane	18.6	2.50	5.00	ug/L	1	20.0	ND	93	62-128%	---	---	
1,2-Dibromoethane (EDB)	20.4	0.250	0.500	ug/L	1	20.0	ND	102	77-121%	---	---	
Dibromomethane	21.2	0.500	1.00	ug/L	1	20.0	ND	106	79-123%	---	---	
1,2-Dichlorobenzene	19.8	0.250	0.500	ug/L	1	20.0	ND	99	80-120%	---	---	
1,3-Dichlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	80-120%	---	---	
1,4-Dichlorobenzene	19.9	0.250	0.500	ug/L	1	20.0	ND	100	79-120%	---	---	
Dichlorodifluoromethane	17.3	0.500	1.00	ug/L	1	20.0	ND	86	32-152%	---	---	
1,1-Dichloroethane	18.8	0.200	0.400	ug/L	1	20.0	ND	94	77-125%	---	---	
1,2-Dichloroethane (EDC)	20.8	0.200	0.400	ug/L	1	20.0	ND	104	73-128%	---	---	
1,1-Dichloroethene	19.8	0.200	0.400	ug/L	1	20.0	ND	99	71-131%	---	---	
cis-1,2-Dichloroethene	20.0	0.200	0.400	ug/L	1	20.0	ND	100	78-123%	---	---	
trans-1,2-Dichloroethene	20.3	0.200	0.400	ug/L	1	20.0	ND	101	75-124%	---	---	
1,2-Dichloropropane	19.0	0.250	0.500	ug/L	1	20.0	ND	95	78-122%	---	---	
1,3-Dichloropropane	20.1	0.500	1.00	ug/L	1	20.0	ND	100	80-120%	---	---	
2,2-Dichloropropane	15.8	0.500	1.00	ug/L	1	20.0	ND	79	60-139%	---	---	
1,1-Dichloropropene	21.4	0.500	1.00	ug/L	1	20.0	ND	107	79-125%	---	---	
cis-1,3-Dichloropropene	18.1	0.500	1.00	ug/L	1	20.0	ND	91	75-124%	---	---	
trans-1,3-Dichloropropene	18.3	0.500	1.00	ug/L	1	20.0	ND	91	73-127%	---	---	
Ethylbenzene	20.6	0.250	0.500	ug/L	1	20.0	ND	103	79-121%	---	---	
Hexachlorobutadiene	19.5	2.50	5.00	ug/L	1	20.0	ND	97	66-134%	---	---	
2-Hexanone	34.8	5.00	10.0	ug/L	1	40.0	ND	87	57-139%	---	---	
Isopropylbenzene	21.8	0.500	1.00	ug/L	1	20.0	ND	109	72-131%	---	---	
4-Isopropyltoluene	20.5	0.500	1.00	ug/L	1	20.0	ND	102	77-127%	---	---	
Methylene chloride	20.5	5.00	10.0	ug/L	1	20.0	ND	103	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	35.6	5.00	10.0	ug/L	1	40.0	ND	89	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	17.1	0.500	1.00	ug/L	1	20.0	ND	86	71-124%	---	---	
Naphthalene	15.4	2.00	4.00	ug/L	1	20.0	ND	77	61-128%	---	---	
n-Propylbenzene	19.9	0.250	0.500	ug/L	1	20.0	ND	100	76-126%	---	---	
Styrene	19.2	0.500	1.00	ug/L	1	20.0	ND	96	78-123%	---	---	
1,1,1,2-Tetrachloroethane	22.5	0.200	0.400	ug/L	1	20.0	ND	113	78-124%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
Matrix Spike (1030808-MS1)			Prepared: 03/22/21 07:50		Analyzed: 03/22/21 20:05							
QC Source Sample: Non-SDG (A1C0767-05)												
1,1,2,2-Tetrachloroethane	19.0	0.250	0.500	ug/L	1	20.0	ND	95	71-121%	---	---	
Tetrachloroethene (PCE)	21.9	0.200	0.400	ug/L	1	20.0	ND	109	74-129%	---	---	
Toluene	19.3	0.500	1.00	ug/L	1	20.0	ND	96	80-121%	---	---	
1,2,3-Trichlorobenzene	18.3	1.00	2.00	ug/L	1	20.0	ND	91	69-129%	---	---	
1,2,4-Trichlorobenzene	19.2	1.00	2.00	ug/L	1	20.0	ND	96	69-130%	---	---	
1,1,1-Trichloroethane	21.6	0.200	0.400	ug/L	1	20.0	ND	108	74-131%	---	---	
1,1,2-Trichloroethane	20.5	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
Trichloroethene (TCE)	27.9	0.200	0.400	ug/L	1	20.0	5.78	111	79-123%	---	---	
Trichlorofluoromethane	25.0	1.00	2.00	ug/L	1	20.0	ND	125	65-141%	---	---	
1,2,3-Trichloropropane	19.2	0.500	1.00	ug/L	1	20.0	ND	96	73-122%	---	---	
1,2,4-Trimethylbenzene	19.7	0.500	1.00	ug/L	1	20.0	ND	99	76-124%	---	---	
1,3,5-Trimethylbenzene	21.5	0.500	1.00	ug/L	1	20.0	ND	108	75-124%	---	---	
Vinyl chloride	20.2	0.200	0.400	ug/L	1	20.0	ND	101	58-137%	---	---	
m,p-Xylene	41.7	0.500	1.00	ug/L	1	40.0	ND	104	80-121%	---	---	
o-Xylene	19.9	0.250	0.500	ug/L	1	20.0	ND	100	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*94 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*				*"*			
Matrix Spike Dup (1030808-MSD1)			Prepared: 03/22/21 07:50		Analyzed: 03/22/21 20:32							
QC Source Sample: Non-SDG (A1C0767-05)												
Acetone	37.6	10.0	20.0	ug/L	1	40.0	ND	94	39-160%	2	30%	
Acrylonitrile	19.3	1.00	2.00	ug/L	1	20.0	ND	97	63-135%	4	30%	
Benzene	20.5	0.100	0.200	ug/L	1	20.0	ND	102	79-120%	5	30%	
Bromobenzene	21.5	0.250	0.500	ug/L	1	20.0	ND	108	80-120%	5	30%	
Bromochloromethane	23.8	0.500	1.00	ug/L	1	20.0	ND	119	78-123%	5	30%	
Bromodichloromethane	23.3	0.500	1.00	ug/L	1	20.0	ND	117	79-125%	4	30%	
Bromoform	28.7	0.500	1.00	ug/L	1	20.0	ND	**144**	**66-130%**	5	30%	Q-54a
Bromomethane	33.3	5.00	5.00	ug/L	1	20.0	ND	**166**	**53-141%**	4	30%	Q-54b
2-Butanone (MEK)	37.2	5.00	10.0	ug/L	1	40.0	ND	93	56-143%	4	30%	
n-Butylbenzene	20.5	0.500	1.00	ug/L	1	20.0	ND	103	75-128%	8	30%	
sec-Butylbenzene	22.3	0.500	1.00	ug/L	1	20.0	ND	111	77-126%	7	30%	
tert-Butylbenzene	20.1	0.500	1.00	ug/L	1	20.0	ND	100	78-124%	4	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
Matrix Spike Dup (1030808-MSD1)			Prepared: 03/22/21 07:50 Analyzed: 03/22/21 20:32									
QC Source Sample: Non-SDG (A1C0767-05)												
Carbon disulfide	20.6	5.00	10.0	ug/L	1	20.0	ND	103	64-133%	7	30%	
Carbon tetrachloride	25.8	0.500	1.00	ug/L	1	20.0	ND	129	72-136%	5	30%	
Chlorobenzene	21.5	0.250	0.500	ug/L	1	20.0	ND	107	80-120%	5	30%	
Chloroethane	24.0	5.00	5.00	ug/L	1	20.0	ND	120	60-138%	7	30%	
Chloroform	23.0	0.500	1.00	ug/L	1	20.0	0.749	111	79-124%	4	30%	
Chloromethane	14.6	5.00	5.00	ug/L	1	20.0	ND	73	50-139%	8	30%	Q-54d
2-Chlorotoluene	21.5	0.500	1.00	ug/L	1	20.0	ND	108	79-122%	5	30%	
4-Chlorotoluene	21.0	0.500	1.00	ug/L	1	20.0	ND	105	78-122%	6	30%	
Dibromochloromethane	24.5	0.500	1.00	ug/L	1	20.0	ND	122	74-126%	8	30%	
1,2-Dibromo-3-chloropropane	19.5	2.50	5.00	ug/L	1	20.0	ND	98	62-128%	5	30%	
1,2-Dibromoethane (EDB)	21.3	0.250	0.500	ug/L	1	20.0	ND	106	77-121%	4	30%	
Dibromomethane	22.3	0.500	1.00	ug/L	1	20.0	ND	112	79-123%	5	30%	
1,2-Dichlorobenzene	21.1	0.250	0.500	ug/L	1	20.0	ND	106	80-120%	7	30%	
1,3-Dichlorobenzene	21.7	0.250	0.500	ug/L	1	20.0	ND	109	80-120%	7	30%	
1,4-Dichlorobenzene	21.1	0.250	0.500	ug/L	1	20.0	ND	106	79-120%	6	30%	
Dichlorodifluoromethane	18.7	0.500	1.00	ug/L	1	20.0	ND	93	32-152%	8	30%	
1,1-Dichloroethane	20.0	0.200	0.400	ug/L	1	20.0	ND	100	77-125%	6	30%	
1,2-Dichloroethane (EDC)	21.4	0.200	0.400	ug/L	1	20.0	ND	107	73-128%	3	30%	
1,1-Dichloroethene	20.6	0.200	0.400	ug/L	1	20.0	ND	103	71-131%	4	30%	
cis-1,2-Dichloroethene	20.9	0.200	0.400	ug/L	1	20.0	ND	104	78-123%	4	30%	
trans-1,2-Dichloroethene	21.2	0.200	0.400	ug/L	1	20.0	ND	106	75-124%	5	30%	
1,2-Dichloropropane	20.0	0.250	0.500	ug/L	1	20.0	ND	100	78-122%	5	30%	
1,3-Dichloropropane	21.3	0.500	1.00	ug/L	1	20.0	ND	106	80-120%	6	30%	
2,2-Dichloropropane	16.4	0.500	1.00	ug/L	1	20.0	ND	82	60-139%	4	30%	
1,1-Dichloropropene	22.2	0.500	1.00	ug/L	1	20.0	ND	111	79-125%	3	30%	
cis-1,3-Dichloropropene	18.8	0.500	1.00	ug/L	1	20.0	ND	94	75-124%	4	30%	
trans-1,3-Dichloropropene	19.7	0.500	1.00	ug/L	1	20.0	ND	98	73-127%	7	30%	
Ethylbenzene	21.6	0.250	0.500	ug/L	1	20.0	ND	108	79-121%	5	30%	
Hexachlorobutadiene	20.8	2.50	5.00	ug/L	1	20.0	ND	104	66-134%	6	30%	
2-Hexanone	36.4	5.00	10.0	ug/L	1	40.0	ND	91	57-139%	4	30%	
Isopropylbenzene	23.0	0.500	1.00	ug/L	1	20.0	ND	115	72-131%	5	30%	
4-Isopropyltoluene	22.0	0.500	1.00	ug/L	1	20.0	ND	110	77-127%	7	30%	
Methylene chloride	21.2	5.00	10.0	ug/L	1	20.0	ND	106	74-124%	3	30%	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1030808 - EPA 5030B							**Water**					
Matrix Spike Dup (1030808-MSD1)			Prepared: 03/22/21 07:50 Analyzed: 03/22/21 20:32									
QC Source Sample: Non-SDG (A1C0767-05)												
4-Methyl-2-pentanone (MiBK)	37.5	5.00	10.0	ug/L	1	40.0	ND	94	67-130%	5	30%	
Methyl tert-butyl ether (MTBE)	18.2	0.500	1.00	ug/L	1	20.0	ND	91	71-124%	6	30%	
Naphthalene	16.8	2.00	4.00	ug/L	1	20.0	ND	84	61-128%	9	30%	
n-Propylbenzene	21.2	0.250	0.500	ug/L	1	20.0	ND	106	76-126%	6	30%	
Styrene	20.6	0.500	1.00	ug/L	1	20.0	ND	103	78-123%	7	30%	
1,1,1,2-Tetrachloroethane	23.7	0.200	0.400	ug/L	1	20.0	ND	118	78-124%	5	30%	
1,1,2,2-Tetrachloroethane	20.0	0.250	0.500	ug/L	1	20.0	ND	100	71-121%	5	30%	
Tetrachloroethene (PCE)	23.4	0.200	0.400	ug/L	1	20.0	ND	117	74-129%	7	30%	
Toluene	20.2	0.500	1.00	ug/L	1	20.0	ND	101	80-121%	5	30%	
1,2,3-Trichlorobenzene	19.7	1.00	2.00	ug/L	1	20.0	ND	99	69-129%	8	30%	
1,2,4-Trichlorobenzene	20.9	1.00	2.00	ug/L	1	20.0	ND	104	69-130%	8	30%	
1,1,1-Trichloroethane	22.6	0.200	0.400	ug/L	1	20.0	ND	113	74-131%	4	30%	
1,1,2-Trichloroethane	21.9	0.250	0.500	ug/L	1	20.0	ND	110	80-120%	6	30%	
Trichloroethene (TCE)	29.6	0.200	0.400	ug/L	1	20.0	5.78	119	79-123%	6	30%	
Trichlorofluoromethane	26.1	1.00	2.00	ug/L	1	20.0	ND	130	65-141%	4	30%	
1,2,3-Trichloropropane	20.2	0.500	1.00	ug/L	1	20.0	ND	101	73-122%	5	30%	
1,2,4-Trimethylbenzene	21.3	0.500	1.00	ug/L	1	20.0	ND	107	76-124%	8	30%	
1,3,5-Trimethylbenzene	22.7	0.500	1.00	ug/L	1	20.0	ND	114	75-124%	5	30%	
Vinyl chloride	21.5	0.200	0.400	ug/L	1	20.0	ND	108	58-137%	6	30%	
m,p-Xylene	44.0	0.500	1.00	ug/L	1	40.0	ND	110	80-121%	5	30%	
o-Xylene	21.1	0.250	0.500	ug/L	1	20.0	ND	105	78-122%	6	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031037 - EPA 5030B							Water					
Blank (1031037-BLK1)			Prepared: 03/26/21 08:00		Analyzed: 03/26/21 11:59							
EPA 8260D SIM												
Benzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*			*"*				
LCS (1031037-BS1)			Prepared: 03/26/21 08:00		Analyzed: 03/26/21 11:25							
EPA 8260D SIM												
Benzene	0.216	0.0500	0.100	ug/L	1	0.200	---	108	80-120%	---	---	
Toluene	0.182	0.0500	0.100	ug/L	1	0.200	---	91	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031037 - EPA 5030B							**Water**					
LCS (1031037-BS1)			Prepared: 03/26/21 08:00		Analyzed: 03/26/21 11:25							
Ethylbenzene	0.178	0.0500	0.100	ug/L	1	0.200	---	89	80-120%	---	---	
m,p-Xylene	0.339	0.100	0.200	ug/L	1	0.400	---	85	80-120%	---	---	
o-Xylene	0.175	0.0500	0.100	ug/L	1	0.200	---	87	80-120%	---	---	
1,2,4-Trimethylbenzene	0.175	0.0500	0.100	ug/L	1	0.200	---	87	80-120%	---	---	
1,3,5-Trimethylbenzene	0.180	0.0500	0.100	ug/L	1	0.200	---	90	80-120%	---	---	
Chloroform	0.207	0.0500	0.100	ug/L	1	0.200	---	103	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.229	0.100	0.200	ug/L	1	0.200	---	114	80-120%	---	---	
1,2-Dibromoethane (EDB)	0.190	0.0100	0.0200	ug/L	1	0.200	---	95	80-120%	---	---	
1,1-Dichloroethane	0.192	0.0100	0.0200	ug/L	1	0.200	---	96	80-120%	---	---	
1,2-Dichloroethane (EDC)	0.230	0.0100	0.0200	ug/L	1	0.200	---	115	80-120%	---	---	
1,1-Dichloroethene	0.191	0.0100	0.0200	ug/L	1	0.200	---	96	80-120%	---	---	
cis-1,2-Dichloroethene	0.197	0.0100	0.0200	ug/L	1	0.200	---	99	80-120%	---	---	
trans-1,2-Dichloroethene	0.194	0.0100	0.0200	ug/L	1	0.200	---	97	80-120%	---	---	
1,2-Dichloropropane	0.242	0.0100	0.0200	ug/L	1	0.200	---	**121**	**80-120%**	---	---	Q-56
cis-1,3-Dichloropropene	0.165	0.0100	0.0200	ug/L	1	0.200	---	82	80-120%	---	---	
trans-1,3-Dichloropropene	0.180	0.0100	0.0200	ug/L	1	0.200	---	90	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	0.212	0.0100	0.0200	ug/L	1	0.200	---	106	80-120%	---	---	
1,1,2,2-Tetrachloroethane	0.239	0.0100	0.0200	ug/L	1	0.200	---	120	80-120%	---	---	
Tetrachloroethene (PCE)	0.172	0.0100	0.0200	ug/L	1	0.200	---	86	80-120%	---	---	
1,1,2-Trichloroethane	0.205	0.0100	0.0200	ug/L	1	0.200	---	103	80-120%	---	---	
Trichloroethene (TCE)	0.228	0.0100	0.0200	ug/L	1	0.200	---	114	80-120%	---	---	
1,2,3-Trichloropropane	0.227	0.0500	0.100	ug/L	1	0.200	---	114	80-120%	---	---	
Vinyl chloride	0.257	0.0100	0.0200	ug/L	1	0.200	---	**128**	**80-120%**	---	---	Q-56
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*94 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*93 %*		*80-120 %*			*"*				
Duplicate (1031037-DUP1)			Prepared: 03/26/21 11:14		Analyzed: 03/26/21 15:07							
QC Source Sample: SW-2(031821) (A1C0750-03)												
EPA 8260D SIM												
Benzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031037 - EPA 5030B							**Water**					
Duplicate (1031037-DUP1)			Prepared: 03/26/21 11:14 Analyzed: 03/26/21 15:07									
QC Source Sample: SW-2(031821) (A1C0750-03)												
o-Xylene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*95 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*95 %*	*80-120 %*			*"*					
Matrix Spike (1031037-MS1)			Prepared: 03/26/21 11:14 Analyzed: 03/26/21 15:34									
QC Source Sample: SW-2(031821) (A1C0750-03)												
EPA 8260D SIM												
Benzene	0.243	0.0500	0.100	ug/L	1	0.200	ND	**121**	**79-120%**	---	---	Q-01
Toluene	0.220	0.0500	0.100	ug/L	1	0.200	ND	110	80-121%	---	---	
Ethylbenzene	0.196	0.0500	0.100	ug/L	1	0.200	ND	98	79-121%	---	---	
m,p-Xylene	0.392	0.100	0.200	ug/L	1	0.400	ND	98	80-121%	---	---	
o-Xylene	0.184	0.0500	0.100	ug/L	1	0.200	ND	92	78-122%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031037 - EPA 5030B							**Water**					
Matrix Spike (1031037-MS1)			Prepared: 03/26/21 11:14 Analyzed: 03/26/21 15:34									
QC Source Sample: SW-2(031821) (A1C0750-03)												
1,2,4-Trimethylbenzene	0.198	0.0500	0.100	ug/L	1	0.200	ND	99	76-124%	---	---	
1,3,5-Trimethylbenzene	0.205	0.0500	0.100	ug/L	1	0.200	ND	102	75-124%	---	---	
Chloroform	0.233	0.0500	0.100	ug/L	1	0.200	ND	116	79-124%	---	---	
1,2-Dibromo-3-chloropropane	0.201	0.100	0.200	ug/L	1	0.200	ND	100	62-128%	---	---	
1,2-Dibromoethane (EDB)	0.200	0.0100	0.0200	ug/L	1	0.200	ND	100	77-121%	---	---	
1,1-Dichloroethane	0.247	0.0100	0.0200	ug/L	1	0.200	ND	123	77-125%	---	---	
1,2-Dichloroethane (EDC)	0.244	0.0100	0.0200	ug/L	1	0.200	ND	122	73-128%	---	---	
1,1-Dichloroethene	0.226	0.0100	0.0200	ug/L	1	0.200	ND	113	71-131%	---	---	
cis-1,2-Dichloroethene	0.229	0.0100	0.0200	ug/L	1	0.200	ND	115	78-123%	---	---	
trans-1,2-Dichloroethene	0.235	0.0100	0.0200	ug/L	1	0.200	ND	118	75-124%	---	---	
1,2-Dichloropropane	0.246	0.0100	0.0200	ug/L	1	0.200	ND	**123**	**78-122%**	---	---	Q-54
cis-1,3-Dichloropropene	0.201	0.0100	0.0200	ug/L	1	0.200	ND	100	75-124%	---	---	
trans-1,3-Dichloropropene	0.207	0.0100	0.0200	ug/L	1	0.200	ND	103	73-127%	---	---	
Methyl tert-butyl ether (MTBE)	0.205	0.0100	0.0200	ug/L	1	0.200	ND	102	71-124%	---	---	
1,1,2,2-Tetrachloroethane	0.225	0.0100	0.0200	ug/L	1	0.200	ND	113	71-121%	---	---	
Tetrachloroethene (PCE)	0.223	0.0100	0.0200	ug/L	1	0.200	ND	111	74-129%	---	---	
1,1,2-Trichloroethane	0.205	0.0100	0.0200	ug/L	1	0.200	ND	102	80-120%	---	---	
Trichloroethene (TCE)	0.229	0.0100	0.0200	ug/L	1	0.200	ND	114	79-123%	---	---	
1,2,3-Trichloropropane	0.234	0.0500	0.100	ug/L	1	0.200	ND	117	73-122%	---	---	
Vinyl chloride	0.290	0.0100	0.0200	ug/L	1	0.200	ND	**145**	**58-137%**	---	---	Q-54c
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*93 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031065 - EPA 3510C (Neutral pH)												**Water**
Blank (1031065-BLK1)			Prepared: 03/26/21 12:27		Analyzed: 03/29/21 07:59							**C-07**
EPA 8082A												
Aroclor 1016	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 77 %*		*Limits: 40-135 %*				*Dilution: 1x*			
LCS (1031065-BS1)			Prepared: 03/26/21 12:27		Analyzed: 03/29/21 08:17							**C-07**
EPA 8082A												
Aroclor 1016	1.00	0.0100	0.0200	ug/L	1	1.25	---	80	46-129%	---	---	
Aroclor 1260	1.16	0.0100	0.0200	ug/L	1	1.25	---	93	45-134%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 91 %*		*Limits: 40-135 %*				*Dilution: 1x*			
LCS Dup (1031065-BSD1)			Prepared: 03/26/21 12:27		Analyzed: 03/29/21 08:35							**C-07, Q-19**
EPA 8082A												
Aroclor 1016	0.926	0.0100	0.0200	ug/L	1	1.25	---	74	46-129%	8	30%	
Aroclor 1260	1.09	0.0100	0.0200	ug/L	1	1.25	---	87	45-134%	7	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 91 %*		*Limits: 40-135 %*				*Dilution: 1x*			

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1030999 - EPA 3510C (Acid Extraction)							Water					
Blank (1030999-BLK2)			Prepared: 03/25/21 10:01		Analyzed: 03/25/21 22:58							
EPA 8270E												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Phenol	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1030999 - EPA 3510C (Acid Extraction)							Water					
Blank (1030999-BLK2)			Prepared: 03/25/21 10:01 Analyzed: 03/25/21 22:58									
2,3,5,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 74 %*	*Limits: 44-120 %*			*Dilution: 1x*					Q-41
2-Fluorobiphenyl (Surr)			*53 %*	*44-120 %*			*"*					
Phenol-d6 (Surr)			*27 %*	*10-133 %*			*"*					Q-41
p-Terphenyl-d14 (Surr)			*104 %*	*50-134 %*			*"*					
2-Fluorophenol (Surr)			*39 %*	*19-120 %*			*"*					
2,4,6-Tribromophenol (Surr)			*74 %*	*43-140 %*			*"*					
LCS (1030999-BS3)			Prepared: 03/25/21 10:01 Analyzed: 03/25/21 23:33									
EPA 8270E												
Acenaphthene	2.92	0.0200	0.0400	ug/L	2	4.00	---	73	47-122%	---	---	
Acenaphthylene	3.17	0.0200	0.0400	ug/L	2	4.00	---	79	41-130%	---	---	
Anthracene	3.47	0.0200	0.0400	ug/L	2	4.00	---	87	57-123%	---	---	
Benz(a)anthracene	3.65	0.0200	0.0400	ug/L	2	4.00	---	91	58-125%	---	---	
Benzo(a)pyrene	3.67	0.0300	0.0600	ug/L	2	4.00	---	92	54-128%	---	---	
Benzo(b)fluoranthene	3.71	0.0300	0.0600	ug/L	2	4.00	---	93	53-131%	---	---	
Benzo(k)fluoranthene	3.57	0.0300	0.0600	ug/L	2	4.00	---	89	57-129%	---	---	
Benzo(g,h,i)perylene	3.72	0.0200	0.0400	ug/L	2	4.00	---	93	50-134%	---	---	
Chrysene	3.32	0.0200	0.0400	ug/L	2	4.00	---	83	59-123%	---	---	
Dibenz(a,h)anthracene	3.39	0.0200	0.0400	ug/L	2	4.00	---	85	51-134%	---	---	
Fluoranthene	3.58	0.0200	0.0400	ug/L	2	4.00	---	89	57-128%	---	---	
Fluorene	3.23	0.0200	0.0400	ug/L	2	4.00	---	81	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	3.41	0.0200	0.0400	ug/L	2	4.00	---	85	52-134%	---	---	
1-Methylnaphthalene	2.48	0.0400	0.0800	ug/L	2	4.00	---	62	41-120%	---	---	
2-Methylnaphthalene	2.49	0.0400	0.0800	ug/L	2	4.00	---	62	40-121%	---	---	
Naphthalene	2.35	0.0400	0.0800	ug/L	2	4.00	---	59	40-121%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1030999 - EPA 3510C (Acid Extraction)							**Water**					
LCS (1030999-BS3)			Prepared: 03/25/21 10:01		Analyzed: 03/25/21 23:33							
Phenanthrene	3.27	0.0200	0.0400	ug/L	2	4.00	---	82	59-120%	---	---	
Pyrene	3.44	0.0200	0.0400	ug/L	2	4.00	---	86	57-126%	---	---	
Carbazole	3.93	0.0300	0.0600	ug/L	2	4.00	---	98	60-122%	---	---	
Dibenzofuran	2.97	0.0200	0.0400	ug/L	2	4.00	---	74	53-120%	---	---	
2-Chlorophenol	3.23	0.100	0.200	ug/L	2	4.00	---	81	38-120%	---	---	
4-Chloro-3-methylphenol	3.25	0.200	0.400	ug/L	2	4.00	---	81	52-120%	---	---	
2,4-Dichlorophenol	2.98	0.100	0.200	ug/L	2	4.00	---	74	47-121%	---	---	
2,4-Dimethylphenol	3.23	0.100	0.200	ug/L	2	4.00	---	81	31-124%	---	---	
2,4-Dinitrophenol	2.30	0.500	1.00	ug/L	2	4.00	---	58	23-143%	---	---	Q-31
4,6-Dinitro-2-methylphenol	2.58	0.500	1.00	ug/L	2	4.00	---	65	44-137%	---	---	Q-31
2-Methylphenol	3.15	0.0500	0.100	ug/L	2	4.00	---	79	30-120%	---	---	
3+4-Methylphenol(s)	2.86	0.0500	0.100	ug/L	2	4.00	---	72	29-120%	---	---	
2-Nitrophenol	2.84	0.200	0.400	ug/L	2	4.00	---	71	47-123%	---	---	
4-Nitrophenol	1.24	0.200	0.400	ug/L	2	4.00	---	31	10-120%	---	---	
Pentachlorophenol (PCP)	3.02	0.200	0.400	ug/L	2	4.00	---	75	35-138%	---	---	
Phenol	1.32	0.400	0.800	ug/L	2	4.00	---	33	10-120%	---	---	Q-41
2,3,4,6-Tetrachlorophenol	3.00	0.100	0.200	ug/L	2	4.00	---	75	50-128%	---	---	
2,3,5,6-Tetrachlorophenol	3.26	0.100	0.200	ug/L	2	4.00	---	82	50-121%	---	---	
2,4,5-Trichlorophenol	3.08	0.100	0.200	ug/L	2	4.00	---	77	53-123%	---	---	
2,4,6-Trichlorophenol	3.15	0.100	0.200	ug/L	2	4.00	---	79	50-125%	---	---	
Bis(2-ethylhexyl)phthalate	3.68	0.400	0.800	ug/L	2	4.00	---	92	55-135%	---	---	
Butyl benzyl phthalate	4.08	0.400	0.800	ug/L	2	4.00	---	102	53-134%	---	---	
Diethylphthalate	3.53	0.400	0.800	ug/L	2	4.00	---	88	56-125%	---	---	
Dimethylphthalate	3.44	0.400	0.800	ug/L	2	4.00	---	86	45-127%	---	---	
Di-n-butylphthalate	4.07	0.400	0.800	ug/L	2	4.00	---	102	59-127%	---	---	
Di-n-octyl phthalate	4.29	0.400	0.800	ug/L	2	4.00	---	107	51-140%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 99 %*		*Limits: 44-120 %*			*Dilution: 2x*				Q-41
2-Fluorobiphenyl (Surr)			*67 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*37 %*		*10-133 %*			*"*				Q-41
p-Terphenyl-d14 (Surr)			*94 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*52 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*88 %*		*43-140 %*			*"*				
LCS Dup (1030999-BSD3)			Prepared: 03/25/21 10:01		Analyzed: 03/26/21 18:56							**Q-19**

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1030999 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1030999-BSD3)			Prepared: 03/25/21 10:01		Analyzed: 03/26/21 18:56							**Q-19**
EPA 8270E												
Acenaphthene	3.14	0.0200	0.0400	ug/L	2	4.00	---	78	47-122%	7	30%	
Acenaphthylene	3.38	0.0200	0.0400	ug/L	2	4.00	---	85	41-130%	7	30%	
Anthracene	3.54	0.0200	0.0400	ug/L	2	4.00	---	88	57-123%	2	30%	
Benz(a)anthracene	3.74	0.0200	0.0400	ug/L	2	4.00	---	93	58-125%	2	30%	
Benzo(a)pyrene	3.84	0.0300	0.0600	ug/L	2	4.00	---	96	54-128%	4	30%	
Benzo(b)fluoranthene	3.83	0.0300	0.0600	ug/L	2	4.00	---	96	53-131%	3	30%	
Benzo(k)fluoranthene	3.73	0.0300	0.0600	ug/L	2	4.00	---	93	57-129%	4	30%	
Benzo(g,h,i)perylene	3.78	0.0200	0.0400	ug/L	2	4.00	---	95	50-134%	2	30%	
Chrysene	3.48	0.0200	0.0400	ug/L	2	4.00	---	87	59-123%	5	30%	
Dibenz(a,h)anthracene	3.53	0.0200	0.0400	ug/L	2	4.00	---	88	51-134%	4	30%	
Fluoranthene	3.36	0.0200	0.0400	ug/L	2	4.00	---	84	57-128%	6	30%	
Fluorene	3.23	0.0200	0.0400	ug/L	2	4.00	---	81	52-124%	0.2	30%	
Indeno(1,2,3-cd)pyrene	3.51	0.0200	0.0400	ug/L	2	4.00	---	88	52-134%	3	30%	
1-Methylnaphthalene	2.74	0.0400	0.0800	ug/L	2	4.00	---	68	41-120%	10	30%	
2-Methylnaphthalene	2.71	0.0400	0.0800	ug/L	2	4.00	---	68	40-121%	8	30%	
Naphthalene	2.54	0.0400	0.0800	ug/L	2	4.00	---	63	40-121%	8	30%	
Phenanthrene	3.39	0.0200	0.0400	ug/L	2	4.00	---	85	59-120%	3	30%	
Pyrene	3.26	0.0200	0.0400	ug/L	2	4.00	---	82	57-126%	5	30%	
Carbazole	3.68	0.0300	0.0600	ug/L	2	4.00	---	92	60-122%	7	30%	
Dibenzofuran	3.04	0.0200	0.0400	ug/L	2	4.00	---	76	53-120%	2	30%	
Bis(2-ethylhexyl)phthalate	4.02	0.400	0.800	ug/L	2	4.00	---	101	55-135%	9	30%	
Butyl benzyl phthalate	4.41	0.400	0.800	ug/L	2	4.00	---	110	53-134%	8	30%	
Diethylphthalate	3.59	0.400	0.800	ug/L	2	4.00	---	90	56-125%	2	30%	
Dimethylphthalate	3.47	0.400	0.800	ug/L	2	4.00	---	87	45-127%	1	30%	
Di-n-butylphthalate	4.08	0.400	0.800	ug/L	2	4.00	---	102	59-127%	0.2	30%	
Di-n-octyl phthalate	4.70	0.400	0.800	ug/L	2	4.00	---	117	51-140%	9	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 102 %*		*Limits: 44-120 %*			*Dilution: 2x*				Q-41
2-Fluorobiphenyl (Surr)			*71 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*36 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*101 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*53 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*95 %*		*43-140 %*			*"*				

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031154 - EPA 3015A							**Water**					
Blank (1031154-BLK1)			Prepared: 03/30/21 08:57		Analyzed: 03/30/21 19:17							
EPA 200.8												
Chromium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	ug/L	1	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
LCS (1031154-BS1)			Prepared: 03/30/21 08:57		Analyzed: 03/30/21 19:22							
EPA 200.8												
Chromium	55.5	0.500	1.00	ug/L	1	55.6	---	100	85-115%	---	---	
Mercury	1.09	0.0400	0.0800	ug/L	1	1.11	---	98	85-115%	---	---	
Zinc	55.5	2.00	4.00	ug/L	1	55.6	---	100	85-115%	---	---	
Duplicate (1031154-DUP1)			Prepared: 03/30/21 08:57		Analyzed: 03/30/21 19:48							
QC Source Sample: Non-SDG (A1C0727-02)												
Chromium	**2.27**	0.500	1.00	ug/L	1	---	2.29	---	---	0.6	20%	
Mercury	ND	0.0400	0.0800	ug/L	1	---	ND	---	---	---	20%	
Zinc	**137**	2.00	4.00	ug/L	1	---	138	---	---	1	20%	
Matrix Spike (1031154-MS1)			Prepared: 03/30/21 08:57		Analyzed: 03/30/21 19:53							
QC Source Sample: Non-SDG (A1C0727-02)												
EPA 200.8												
Chromium	58.4	0.500	1.00	ug/L	1	55.6	2.29	101	70-130%	---	---	
Mercury	1.07	0.0400	0.0800	ug/L	1	1.11	ND	97	70-130%	---	---	
Zinc	195	2.00	4.00	ug/L	1	55.6	138	102	70-130%	---	---	
Matrix Spike (1031154-MS2)			Prepared: 03/30/21 08:57		Analyzed: 03/30/21 20:13							
QC Source Sample: Non-SDG (A1C0749-01)												
EPA 200.8												
Chromium	57.1	0.500	1.00	ug/L	1	55.6	ND	103	70-130%	---	---	
Mercury	1.11	0.0400	0.0800	ug/L	1	1.11	ND	100	70-130%	---	---	
Zinc	99.0	2.00	4.00	ug/L	1	55.6	43.4	100	70-130%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040504 - EPA 3015A							**Water**					
Blank (1040504-BLK1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 15:50							
EPA 200.8-LL												
Arsenic	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.00900	0.0180	ug/L	1	---	---	---	---	---	---	
LCS (1040504-BS1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 15:57							
EPA 200.8-LL												
Arsenic	5.75	0.0500	0.100	ug/L	1	5.56	---	103	85-115%	---	---	
Cadmium	5.72	0.00900	0.0180	ug/L	1	5.56	---	103	85-115%	---	---	
Duplicate (1040504-DUP1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 16:32							
QC Source Sample: Non-SDG (A1C1109-01)												
Arsenic	**0.124**	0.0500	0.100	ug/L	1	---	0.143	---	---	15	20%	
Duplicate (1040504-DUP2)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 20:26							
QC Source Sample: Non-SDG (A1C1109-01RE1)												
Cadmium	**0.0316**	0.00900	0.0180	ug/L	1	---	0.0379	---	---	18	20%	Q-16
Matrix Spike (1040504-MS1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 16:39							
QC Source Sample: Non-SDG (A1C1109-01)												
EPA 200.8-LL												
Arsenic	6.03	0.0500	0.100	ug/L	1	5.56	0.143	106	70-130%	---	---	
Matrix Spike (1040504-MS2)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 20:32							
QC Source Sample: Non-SDG (A1C1109-01RE1)												
EPA 200.8-LL												
Cadmium	5.53	0.00900	0.0180	ug/L	1	5.56	0.0379	99	70-130%	---	---	Q-16

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1030960							
A1C0750-01	Water	NWTPH-Dx	03/18/21 08:42	03/24/21 13:23	910mL/5mL	1000mL/5mL	1.10
A1C0750-02	Water	NWTPH-Dx	03/18/21 08:48	03/24/21 13:23	850mL/5mL	1000mL/5mL	1.18
A1C0750-03	Water	NWTPH-Dx	03/18/21 09:00	03/24/21 13:23	1040mL/5mL	1000mL/5mL	0.96

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: 1030808							
A1C0750-01	Water	NWTPH-Gx (MS)	03/18/21 08:42	03/22/21 07:50	5mL/5mL	5mL/5mL	1.00
A1C0750-02	Water	NWTPH-Gx (MS)	03/18/21 08:48	03/22/21 07:50	5mL/5mL	5mL/5mL	1.00
A1C0750-03	Water	NWTPH-Gx (MS)	03/18/21 09:00	03/22/21 07:50	5mL/5mL	5mL/5mL	1.00

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: 1030808							
A1C0750-01	Water	EPA 8260D	03/18/21 08:42	03/22/21 07:50	5mL/5mL	5mL/5mL	1.00
A1C0750-02	Water	EPA 8260D	03/18/21 08:48	03/22/21 07:50	5mL/5mL	5mL/5mL	1.00
A1C0750-03	Water	EPA 8260D	03/18/21 09:00	03/22/21 07:50	5mL/5mL	5mL/5mL	1.00

Volatile Organic Compounds by EPA 8260D SIM

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1031037							
A1C0750-01	Water	EPA 8260D SIM	03/18/21 08:42	03/26/21 11:14	5mL/5mL	5mL/5mL	1.00
A1C0750-02	Water	EPA 8260D SIM	03/18/21 08:48	03/26/21 11:14	5mL/5mL	5mL/5mL	1.00
A1C0750-03	Water	EPA 8260D SIM	03/18/21 09:00	03/26/21 11:14	5mL/5mL	5mL/5mL	1.00
A1C0750-04	Water	EPA 8260D SIM	03/18/21 00:00	03/26/21 11:14	5mL/5mL	5mL/5mL	1.00
A1C0750-05	Water	EPA 8260D SIM	03/18/21 00:00	03/26/21 11:14	5mL/5mL	5mL/5mL	1.00
A1C0750-06	Water	EPA 8260D SIM	03/18/21 00:00	03/26/21 11:14	5mL/5mL	5mL/5mL	1.00

Polychlorinated Biphenyls by EPA 8082A

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C0750 - 04 21 21 2038

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1031065							
A1C0750-01	Water	EPA 8082A	03/18/21 08:42	03/26/21 12:27	810mL/1mL	1000mL/1mL	1.23
A1C0750-02	Water	EPA 8082A	03/18/21 08:48	03/26/21 12:27	940mL/1mL	1000mL/1mL	1.06
A1C0750-03	Water	EPA 8082A	03/18/21 09:00	03/26/21 12:27	1050mL/1mL	1000mL/1mL	0.95

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1030999							
A1C0750-01RE1	Water	EPA 8270E	03/18/21 08:42	03/25/21 10:01	910mL/1mL	1000mL/1mL	1.10
A1C0750-02RE1	Water	EPA 8270E	03/18/21 08:48	03/25/21 10:01	870mL/1mL	1000mL/1mL	1.15
A1C0750-03RE1	Water	EPA 8270E	03/18/21 09:00	03/25/21 15:03	1070mL/1mL	1000mL/1mL	0.94

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

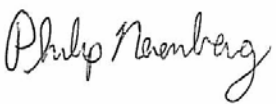
Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1031154							
A1C0750-01	Water	EPA 200.8	03/18/21 08:42	03/30/21 08:57	45mL/50mL	45mL/50mL	1.00
A1C0750-02	Water	EPA 200.8	03/18/21 08:48	03/30/21 08:57	45mL/50mL	45mL/50mL	1.00
A1C0750-03	Water	EPA 200.8	03/18/21 09:00	03/30/21 08:57	45mL/50mL	45mL/50mL	1.00

Total Metals by EPA 200.8 (ICPMS) - Low Level

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040504							
A1C0750-01	Water	EPA 200.8-LL	03/18/21 08:42	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C0750-01RE2	Water	EPA 200.8-LL	03/18/21 08:42	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C0750-02	Water	EPA 200.8-LL	03/18/21 08:48	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C0750-02RE1	Water	EPA 200.8-LL	03/18/21 08:48	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C0750-03	Water	EPA 200.8-LL	03/18/21 09:00	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

QUALIFIER DEFINITIONS

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

Apex Laboratories

C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
F-15	Results for diesel are estimated due to overlap from the reported oil result.
F-16	Results for oil are estimated due to overlap from the reported diesel result.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-16	Reanalysis of an original Batch QC sample.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +16%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +21%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -16%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
R-04	Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

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.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

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.

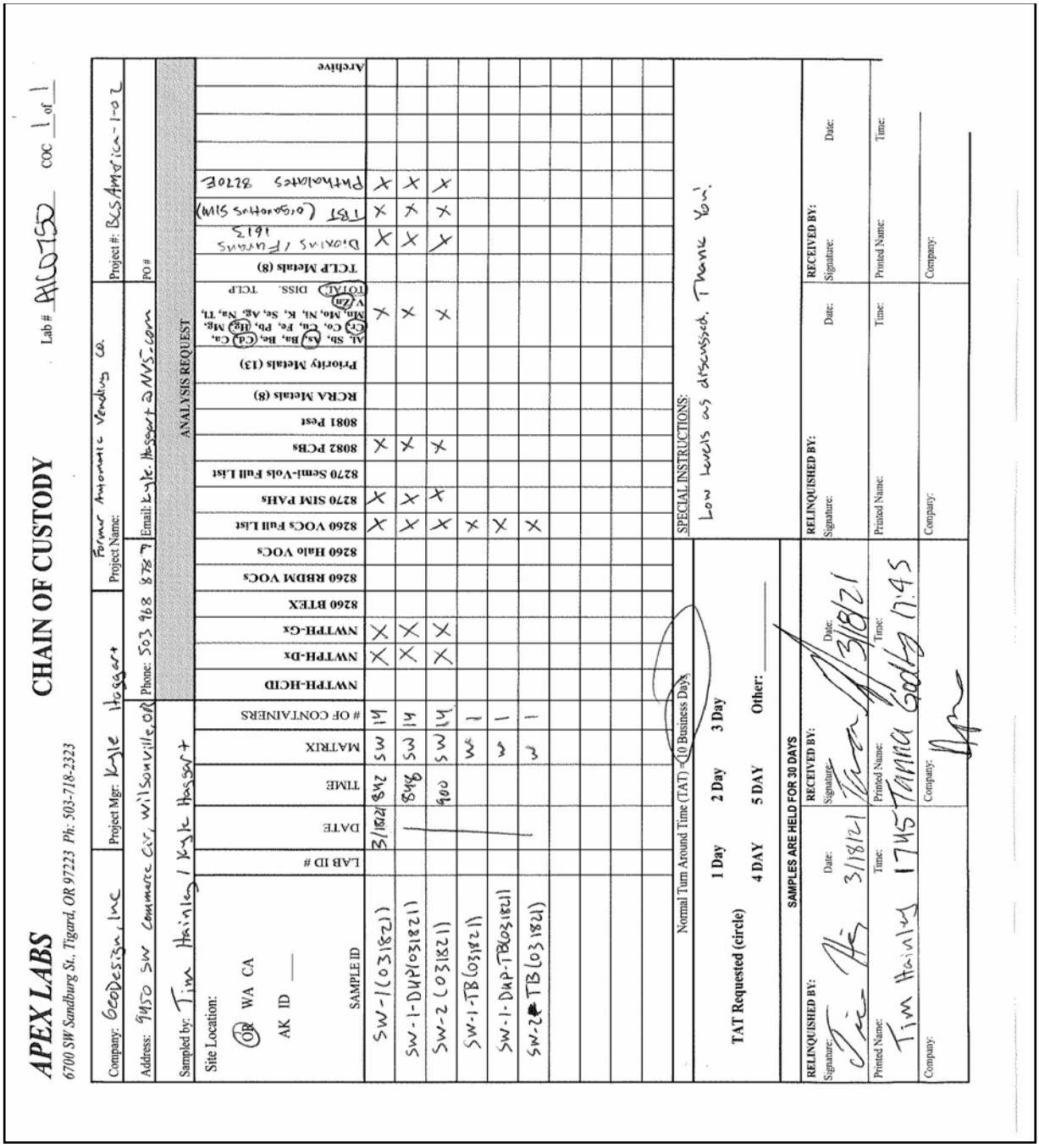
Field Testing Parameters

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

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**



APEX LABS — CHAIN OF CUSTODY — Lab # A1C0750 — COC 1 of 1

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

Company: GeoDesign, Inc — Project Mgr: Kyle Haggart — Project Name: Former Automatic Vending Co. — Project #: BCSAmerica-1-02

Address: 9450 SW Commerce Cir, Wilsonville, OR — Phone: 503 968 8787 — Email: kyle.haggart@NVS.com — PO #

Sampled by: Tim Hanley / Kyle Haggart

Site Location: (OR) WA CA AK ID ___

SAMPLE ID	LAB 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 Pest	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 — DISS. TCLP TOTAL	TCLP Metals (8)	Dioxins / Furans 8290	TRH (Gasoline SIM)	Phthalates 8270E	Archive
SW-1 (031821)		3/18/21	845	SW	14		X	X				X	X		X				X		X	X	
SW-1-DUP (031821)			845	SW	14		X	X				X	X		X				X		X	X	
SW-2 (031821)			900	SW	14		X	X				X	X		X				X		X	X	
SW-1-TB (031821)				WE	1							X											
SW-1-DUP-TB (031821)				WE	1							X											
SW-2-TB (031821)				WE	1							X											

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SPECIAL INSTRUCTIONS: Low levels as discussed. Thank You.

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:	RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:
Signature:	3/18/21		Signature:	3/18/21		Signature:			Signature:		
Printed Name:			Printed Name:			Printed Name:			Printed Name:		
Company:			Company:			Company:			Company:		

RELINQUISHED BY: Tim Hanley — 3/18/21 — 1745 — TAMCA Geotg — RECEIVED BY: 3/18/21 — 17:45

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C0750 - 04 21 21 2038**

APEX LABS COOLER RECEIPT FORM

Client: GeoDesign, Inc Element WO#: A1C0750

Project/Project #: Former Automatic Vending Co. / BCSAmerica-1-02

Delivery Info:

Date/time received: 3/18/21 @ 17:45 By: TAH

Delivered by: Apex___ Client X ESS___ FedEx___ UPS___ Swift___ Senvoy ___ SDS___ Other_____

Cooler Inspection Date/time inspected: 3/18/21 @ 17:45 By: TAH

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)	4.6	5.3	3.1				
Received on ice? (Y/N)	Y	Y	Y				
Temp. blanks? (Y/N)	N	N	N				
Ice type: (Gel/Real/Other)	Gel	Gel	Gel				
Condition:	good	good	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: 3-19-21 @ 11:30 By: TAH

All samples intact? Yes X No ___ Comments: _____

Bottle labels/COCs agree? Yes X (No) X Comments: TAH 3-19-21 TAH 3-19-21 TB # 26096, no T on nitric SW-1(031821) and SW-1-DUP(031821), T on SW-1(031821) reads 8.43

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 _____

Water samples: pH checked: Yes (X) No___ NA___ pH appropriate? Yes (X) No___ NA____

Comments: _____

Additional information: SW-2-TB(031821) reads SW-1-TB(031821) bagged w/ SW-2(031821).

Labeled by: TAH Witness: VJ Cooler Inspected by: AKK TAH 3/18-21

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-54631-1
Client Project/Site: A1C0750

For:
Apex Laboratories LLC
6700 SW Sandburg St.
Tigard, Oregon 97223

Attn: Philip Nerenberg

Authorized for release by:
3/30/2021 5:10:37 PM

Lori Thompson, Project Manager I
(714)895-5494
Lori.Thompson@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 15

Definitions/Glossary

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Job ID: 570-54631-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-54631-1

Comments
No additional comments.

Receipt
The samples were received on 3/23/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.7º C.

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

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

Detection Summary

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Client Sample ID: SW-1(031821) — Lab Sample ID: 570-54631-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Monobutyltin	79		3.4	2.7	ng/L	1		Organotins SIM	Total/NA

Client Sample ID: SW-1-DUP(031821) — Lab Sample ID: 570-54631-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Monobutyltin	81		3.3	2.6	ng/L	1		Organotins SIM	Total/NA

Client Sample ID: SW-2(031821) — Lab Sample ID: 570-54631-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Monobutyltin	150		2.9	2.3	ng/L	1		Organotins SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Method: Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: SW-1(031821)
Date Collected: 03/18/21 08:42
Date Received: 03/23/21 10:30

Lab Sample ID: 570-54631-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.4	2.2	ng/L		03/24/21 22:35	03/26/21 19:01	1
Tributyltin	ND		3.4	1.6	ng/L		03/24/21 22:35	03/26/21 19:01	1
Dibutyltin	ND		3.4	2.0	ng/L		03/24/21 22:35	03/26/21 19:01	1
Monobutyltin	**79**		3.4	2.7	ng/L		03/24/21 22:35	03/26/21 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*56*		*10 - 120*	*03/24/21 22:35*	*03/26/21 19:01*	*1*

Client Sample ID: SW-1-DUP(031821)
Date Collected: 03/18/21 08:48
Date Received: 03/23/21 10:30

Lab Sample ID: 570-54631-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.3	2.1	ng/L		03/24/21 22:35	03/26/21 19:19	1
Tributyltin	ND		3.3	1.5	ng/L		03/24/21 22:35	03/26/21 19:19	1
Dibutyltin	ND		3.3	1.9	ng/L		03/24/21 22:35	03/26/21 19:19	1
Monobutyltin	**81**		3.3	2.6	ng/L		03/24/21 22:35	03/26/21 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*61*		*10 - 120*	*03/24/21 22:35*	*03/26/21 19:19*	*1*

Client Sample ID: SW-2(031821)
Date Collected: 03/18/21 09:00
Date Received: 03/23/21 10:30

Lab Sample ID: 570-54631-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		2.9	1.9	ng/L		03/24/21 22:35	03/26/21 19:36	1
Tributyltin	ND		2.9	1.3	ng/L		03/24/21 22:35	03/26/21 19:36	1
Dibutyltin	ND		2.9	1.7	ng/L		03/24/21 22:35	03/26/21 19:36	1
Monobutyltin	**150**		2.9	2.3	ng/L		03/24/21 22:35	03/26/21 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*61*		*10 - 120*	*03/24/21 22:35*	*03/26/21 19:36*	*1*

Surrogate Summary

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TPTT (10-120)
570-54631-1	SW-1(031821)	56
570-54631-2	SW-1-DUP(031821)	61
570-54631-3	SW-2(031821)	61
LCS 570-138495/2-A	Lab Control Sample	42
LCSD 570-138495/3-A	Lab Control Sample Dup	69
MB 570-138495/1-A	Method Blank	64

Surrogate Legend

TPTT = Tripentyltin

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-138495/1-A
Matrix: Water
Analysis Batch: 138972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 138495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.0	1.9	ng/L		03/24/21 22:35	03/26/21 16:04	1
Tributyltin	ND		3.0	1.4	ng/L		03/24/21 22:35	03/26/21 16:04	1
Dibutyltin	ND		3.0	1.8	ng/L		03/24/21 22:35	03/26/21 16:04	1
Monobutyltin	ND		3.0	2.4	ng/L		03/24/21 22:35	03/26/21 16:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*64*		*10 - 120*	*03/24/21 22:35*	*03/26/21 16:04*	*1*

Lab Sample ID: LCS 570-138495/2-A
Matrix: Water
Analysis Batch: 138972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 138495

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrabutyltin			200	158.5		ng/L		79	21 - 124		
Tributyltin			200	111.7		ng/L		56	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*42*		*10 - 120*

Lab Sample ID: LCSD 570-138495/3-A
Matrix: Water
Analysis Batch: 138972

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 138495

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrabutyltin			200	189.2		ng/L		95	21 - 124	18	30
Tributyltin			200	141.9		ng/L		71	10 - 120	24	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*69*		*10 - 120*

QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

GC/MS Semi VOA

Prep Batch: 138495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-54631-1	SW-1(031821)	Total/NA	Water	Organotin	
570-54631-2	SW-1-DUP(031821)	Total/NA	Water	Organotin	
570-54631-3	SW-2(031821)	Total/NA	Water	Organotin	
MB 570-138495/1-A	Method Blank	Total/NA	Water	Organotin	
LCS 570-138495/2-A	Lab Control Sample	Total/NA	Water	Organotin	
LCSD 570-138495/3-A	Lab Control Sample Dup	Total/NA	Water	Organotin	

Analysis Batch: 138972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-54631-1	SW-1(031821)	Total/NA	Water	Organotins SIM	138495
570-54631-2	SW-1-DUP(031821)	Total/NA	Water	Organotins SIM	138495
570-54631-3	SW-2(031821)	Total/NA	Water	Organotins SIM	138495
MB 570-138495/1-A	Method Blank	Total/NA	Water	Organotins SIM	138495
LCS 570-138495/2-A	Lab Control Sample	Total/NA	Water	Organotins SIM	138495
LCSD 570-138495/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins SIM	138495

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Client Sample ID: SW-1(031821)

Lab Sample ID: 570-54631-1

Date Collected: 03/18/21 08:42

Matrix: Water

Date Received: 03/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			871.3 mL	1 mL	138495	03/24/21 22:35	OM8W	ECL 1
Total/NA	Analysis	Organotins SIM		1			138972	03/26/21 19:01	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: SW-1-DUP(031821)

Lab Sample ID: 570-54631-2

Date Collected: 03/18/21 08:48

Matrix: Water

Date Received: 03/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			913.5 mL	1 mL	138495	03/24/21 22:35	OM8W	ECL 1
Total/NA	Analysis	Organotins SIM		1			138972	03/26/21 19:19	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: SW-2(031821)

Lab Sample ID: 570-54631-3

Date Collected: 03/18/21 09:00

Matrix: Water

Date Received: 03/23/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1030.7 mL	1 mL	138495	03/24/21 22:35	OM8W	ECL 1
Total/NA	Analysis	Organotins SIM		1			138972	03/26/21 19:36	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22
Washington	State	C916-18	10-11-21

Method Summary

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	ECL 1
Organotin	Extraction (Organotins)	WRC	ECL 1

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

WRC = WRC Notebook 11431-39, ICI America's Western Research Center May, 1989.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Apex Laboratories LLC
Project/Site: A1C0750

Job ID: 570-54631-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-54631-1	SW-1(031821)	Water	03/18/21 08:42	03/23/21 10:30	
570-54631-2	SW-1-DUP(031821)	Water	03/18/21 08:48	03/23/21 10:30	
570-54631-3	SW-2(031821)	Water	03/18/21 09:00	03/23/21 10:30	

54631

SUBCONTRACT ORDER

Apex Laboratories

03/19/21 **A1C0750**

570-54631 Chain of Custody

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Eurofins_CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone :(714) 895-5494
Fax: (714) 894-7501

AWB 3/22/21

No T on nitric poly, T on Cont reads 843

Sample Name: SW-1(031821) **Water** **Sampled: 03/18/21 08:42** (A1C0750-01)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	03/31/21 17:00	04/01/21 08:42	
Containers Supplied:			
(M)1 L Amber Glass - Non Preserved			
(N)1 L Amber Glass - Non Preserved			

No T on nitric poly

Sample Name: SW-1-DUP(031821) **Water** **Sampled: 03/18/21 08:48** (A1C0750-02)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	03/31/21 17:00	04/01/21 08:48	
Containers Supplied:			
(M)1 L Amber Glass - Non Preserved			
(N)1 L Amber Glass - Non Preserved			

Sample Name: SW-2(031821) **Water** **Sampled: 03/18/21 09:00** (A1C0750-03)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	03/31/21 17:00	04/01/21 09:00	
Containers Supplied:			
(M)1 L Amber Glass - Non Preserved			
(N)1 L Amber Glass - Non Preserved			

Standard TAT

Released By	Date	Received By	Date
[signature]	3/22/21	Fed Ex (Shipper)	
Fed Ex (Shipper)		[signature]	3/23/21 10:30
Released By	Date	Received By	Date

4.8/3.7 SK

Login Sample Receipt Checklist

Client: Apex Laboratories LLC

Job Number: 570-54631-1

Login Number: 54631
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421
www.capefearanalytical.com

April 16, 2021

Mr. Philip Nerenberg
Apex Laboratories
6700 SW Sandburg Street
Portland, Oregon 97223

Re: DXN & PCB Subcontract
Work Order: 17896
SDG: A1C0750

Dear Mr. Nerenberg:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 24, 2021. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421.

Sincerely,

Cynde Larkins

Cynde Larkins
Project Manager

Enclosures

problem solved

SUBCONTRACT ORDER

Apex Laboratories A1C0750

CFA WO# 17896

SENDING LABORATORY:	**RECEIVING LABORATORY:**
Apex Laboratories	Cape Fear Analytical, LLC
6700 S.W. Sandburg Street	3306 Kitty Hawk Rd Suite 120
Tigard, OR 97223	Wilmington, NC 28405
Phone: (503) 718-2323	Phone :(910) 795-0421
Fax: (503) 336-0745	Fax: -
Project Manager: Philip Nerenberg	

No T on nitric poly, T on Cont reads 843

Sample Name: SW-1(031821) **Water** **Sampled: 03/18/21 08:42** (A1C0750-01)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	03/31/21 17:00	09/14/21 08:42	
Containers Supplied:			
(K)1 L Amber Glass - Non Preserved			
(L)1 L Amber Glass - Non Preserved			

No T on nitric poly

Sample Name: SW-1-DUP(031821) **Water** **Sampled: 03/18/21 08:48** (A1C0750-02)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	03/31/21 17:00	09/14/21 08:48	
Containers Supplied:			
(K)1 L Amber Glass - Non Preserved			
(L)1 L Amber Glass - Non Preserved			

Sample Name: SW-2(031821) **Water** **Sampled: 03/18/21 09:00** (A1C0750-03)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	03/31/21 17:00	09/14/21 09:00	
Containers Supplied:			
(K)1 L Amber Glass - Non Preserved			
(L)1 L Amber Glass - Non Preserved			

Standard TAT

temp. = 1.7°C

Released By	Date	Received By	Date
	3/22/21	Fed Ex (Shipper)	
Fed Ex (Shipper)		Cynde Larkins	24MAR21 @ 1023

SAMPLE RECEIPT CHECKLIST

Cape Fear Analytical

Client: APEX	Work Order: 17896
Shipping Company: FedEx	Date/Time Received: MAR 24, 2021 1023

Suspected Hazard Information	Yes	NA	No
Shipped as DOT Hazardous?			✓
Samples identified as Foreign Soil?			✓

DOE Site Sample Packages	Yes	NA	No*
Screened <0.5 mR/hr?		✓	
Samples < 2x background?		✓	

* Notify RSO of any responses in this column immediately.

Air Sample Receipt Specifics	Yes	NA	No
Air sample in shipment?			✓

Air Witness: _____

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other(describe)
2	Custody seal/s present on cooler?			✓	Seal intact? Yes No
3	Chain of Custody documents included with shipment?	✓			
4	Samples requiring cold preservation within 0-6°C?	✓			Preservation Method: ice bags (loose ice) blue ice dry ice none other (describe) Temperature Blank present: (Yes) No 1.6° + 0.1 = 1.7°C
5	Aqueous samples found to have visible solids?	✓			Sample IDs, containers affected: Minimal visible solids (<1%) in all
5	Samples requiring chemical preservation at proper pH?		✓		Sample IDs, containers affected and pH observed: pH=7 on all If preservative added, Lot#:
7	Samples requiring preservation have no residual chlorine?	✓			Sample IDs, containers affected: If preservative added, Lot#:
8	Samples received within holding time?	✓			Sample IDs, tests affected:
9	Sample IDs on COC match IDs on containers?	✓			Sample IDs, containers affected:
10	Date & time of COC match date & time on containers?	✓			Sample IDs, containers affected:
11	Number of containers received match number indicated on COC?	✓			List type and number of containers / Sample IDs, containers affected: 2-1L NMAG bottles per sample. 6 total
12	COC form is properly signed in relinquished/received sections?	✓			

Comments:

 Checklist performed by: Initials: CJ Date: 24MAR21 CF-UD-F-7

High Resolution Dioxins and Furans Analysis

Case Narrative

HDOX Case Narrative
Apex Laboratories (APEX)
SDG A1C0750
Work Order 17896

Method/Analysis Information

Product:	**Dioxins/Furans by EPA Method 1613B in Liquids**
Analytical Method:	EPA Method 1613B
Extraction Method:	SW846 3520C
Analytical Batch Number:	46547
Clean Up Batch Number:	46545
Extraction Batch Number:	46544

Sample Analysis

Samples were received within temperature requirements at 1.7°C (17896001, 17896002, and 17896003). The following samples were analyzed using the analytical protocol as established in EPA Method 1613B:

Sample ID	Client ID
12029049	Method Blank (MB)
12029050	Laboratory Control Sample (LCS)
12029051	Laboratory Control Sample Duplicate (LCSD)
17896001	SW-1(031821)
17896002	SW-1-DUP(031821)
17896003	SW-2(031821)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference

Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-002 REV# 20.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

Calibration Information

Initial Calibration

All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements

All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Certification Statement
The test results presented in this document are certified to meet all requirements of the 2009 TNI Standard.

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery
The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement
The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation
A matrix spike and matrix spike duplicate analysis was not required for this SDG.

Technical Information

Holding Time Specifications
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Nonconformance (NCR) Documentation
A NCR was not required for this SDG.

Manual Integrations
Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction. Manual integrations were required for data files in this SDG.

System Configuration
This analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description
HRP750_2	Primary Dioxin Analysis	Dioxin Analysis	DB-5MS	60m x 0.25mm, 0.25um

Sample Data Summary

Cape Fear Analytical, LLC
3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

Qualifier Definition Report
for

APEX001 Apex Laboratories

Client SDG: A1C0750 CFA Work Order: 17896

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
B The target analyte was detected in the associated blank.
J Value is estimated
K Estimated Maximum Possible Concentration
U Analyte was analyzed for, but not detected above the specified detection limit.

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

Signature: **Name: Alexis Finks**

Date: 16 APR 2021 **Title: Data Validator**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17896001**	**Date Collected:**	**03/18/2021 08:42**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/24/2021 10:23**		
Client ID:	**SW-1(031821)**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/13/2021 00:06**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-4**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**908.5 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	0.944	pg/L	0.944	11.0
40321-76-4	1,2,3,7,8-PeCDD	U	0.735	pg/L	0.735	55.0
39227-28-6	1,2,3,4,7,8-HxCDD	U	1.28	pg/L	1.28	55.0
57653-85-7	1,2,3,6,7,8-HxCDD	U	1.24	pg/L	1.24	55.0
19408-74-3	1,2,3,7,8,9-HxCDD	U	1.28	pg/L	1.28	55.0
35822-46-9	1,2,3,4,6,7,8-HpCDD	J	3.90	pg/L	2.55	55.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD	BJ	24.9	pg/L	3.32	110
51207-31-9	2,3,7,8-TCDF	U	0.988	pg/L	0.988	11.0
57117-41-6	1,2,3,7,8-PeCDF	BJK	0.925	pg/L	0.619	55.0
57117-31-4	2,3,4,7,8-PeCDF	BJK	1.12	pg/L	0.594	55.0
70648-26-9	1,2,3,4,7,8-HxCDF	U	0.526	pg/L	0.526	55.0
57117-44-9	1,2,3,6,7,8-HxCDF	U	0.561	pg/L	0.561	55.0
60851-34-5	2,3,4,6,7,8-HxCDF	BJK	0.748	pg/L	0.553	55.0
72918-21-9	1,2,3,7,8,9-HxCDF	BJ	1.10	pg/L	0.843	55.0
67562-39-4	1,2,3,4,6,7,8-HpCDF	BJ	1.45	pg/L	0.744	55.0
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	1.09	pg/L	1.09	55.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF	BJK	2.64	pg/L	2.22	110
41903-57-5	Total TeCDD	U	0.944	pg/L	0.944	11.0
36088-22-9	Total PeCDD	U	0.735	pg/L	0.735	55.0
34465-46-8	Total HxCDD	BJK	6.32	pg/L	1.24	55.0
37871-00-4	Total HpCDD	JK	8.89	pg/L	2.55	55.0
30402-14-3	Total TeCDF	U	0.988	pg/L	0.988	11.0
30402-15-4	Total PeCDF	BJK	2.42	pg/L	0.365	55.0
55684-94-1	Total HxCDF	BJK	1.85	pg/L	0.526	55.0
38998-75-3	Total HpCDF	BJ	1.45	pg/L	0.744	55.0
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.611	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		1.75	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1590	2200	pg/L	72.1	(25%-164%)
13C-1,2,3,7,8-PeCDD		1610	2200	pg/L	73.2	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1410	2200	pg/L	64.1	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1580	2200	pg/L	71.7	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1740	2200	pg/L	79.2	(23%-140%)
13C-OCDD		3080	4400	pg/L	70.0	(17%-157%)
13C-2,3,7,8-TCDF		1600	2200	pg/L	72.7	(24%-169%)
13C-1,2,3,7,8-PeCDF		1660	2200	pg/L	75.3	(24%-185%)
13C-2,3,4,7,8-PeCDF		1640	2200	pg/L	74.4	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1480	2200	pg/L	67.3	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1590	2200	pg/L	72.2	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1560	2200	pg/L	71.0	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1590	2200	pg/L	72.2	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17896001**	**Date Collected:**	**03/18/2021 08:42**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/24/2021 10:23**		
Client ID:	**SW-1(031821)**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/13/2021 00:06**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-4**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**908.5 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1620	2200	pg/L	73.4	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1620	2200	pg/L	73.4	(26%-138%)
37Cl-2,3,7,8-TCDD		178	220	pg/L	81.0	(35%-197%)

Comments:

B **The target analyte was detected in the associated blank.**
J **Value is estimated**
K **Estimated Maximum Possible Concentration**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17896002**	**Date Collected:**	**03/18/2021 08:48**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/24/2021 10:23**		
Client ID:	**SW-1-DUP(031821)**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/13/2021 00:56**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-5**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**969.8 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.46	pg/L	1.46	10.3
40321-76-4	1,2,3,7,8-PeCDD	U	1.53	pg/L	1.53	51.6
39227-28-6	1,2,3,4,7,8-HxCDD	U	2.10	pg/L	2.10	51.6
57653-85-7	1,2,3,6,7,8-HxCDD	U	1.87	pg/L	1.87	51.6
19408-74-3	1,2,3,7,8,9-HxCDD	U	2.00	pg/L	2.00	51.6
35822-46-9	1,2,3,4,6,7,8-HpCDD	J	13.2	pg/L	3.82	51.6
3268-87-9	1,2,3,4,6,7,8,9-OCDD		161	pg/L	7.69	103
51207-31-9	2,3,7,8-TCDF	U	1.68	pg/L	1.68	10.3
57117-41-6	1,2,3,7,8-PeCDF	U	0.860	pg/L	0.860	51.6
57117-31-4	2,3,4,7,8-PeCDF	U	0.788	pg/L	0.788	51.6
70648-26-9	1,2,3,4,7,8-HxCDF	U	0.930	pg/L	0.930	51.6
57117-44-9	1,2,3,6,7,8-HxCDF	U	0.909	pg/L	0.909	51.6
60851-34-5	2,3,4,6,7,8-HxCDF	U	0.947	pg/L	0.947	51.6
72918-21-9	1,2,3,7,8,9-HxCDF	U	1.46	pg/L	1.46	51.6
67562-39-4	1,2,3,4,6,7,8-HpCDF	BJK	1.81	pg/L	1.04	51.6
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	1.53	pg/L	1.53	51.6
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	3.44	pg/L	3.44	103
41903-57-5	Total TeCDD	JK	2.29	pg/L	1.46	10.3
36088-22-9	Total PeCDD	U	1.53	pg/L	1.53	51.6
34465-46-8	Total HxCDD	BJK	13.1	pg/L	1.87	51.6
37871-00-4	Total HpCDD	JK	31.7	pg/L	3.82	51.6
30402-14-3	Total TeCDF	U	1.68	pg/L	1.68	10.3
30402-15-4	Total PeCDF	U	0.641	pg/L	0.641	51.6
55684-94-1	Total HxCDF	BJK	1.05	pg/L	0.909	51.6
38998-75-3	Total HpCDF	BJK	1.81	pg/L	1.04	51.6
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.198	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		2.43	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1300	2060	pg/L	63.3	(25%-164%)
13C-1,2,3,7,8-PeCDD		1260	2060	pg/L	60.9	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1110	2060	pg/L	53.7	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1380	2060	pg/L	67.2	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1380	2060	pg/L	66.9	(23%-140%)
13C-OCDD		2410	4120	pg/L	58.5	(17%-157%)
13C-2,3,7,8-TCDF		1310	2060	pg/L	63.4	(24%-169%)
13C-1,2,3,7,8-PeCDF		1310	2060	pg/L	63.5	(24%-185%)
13C-2,3,4,7,8-PeCDF		1250	2060	pg/L	60.6	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1250	2060	pg/L	60.5	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1360	2060	pg/L	65.8	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1350	2060	pg/L	65.3	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1240	2060	pg/L	60.3	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17896002**	**Date Collected:**	**03/18/2021 08:48**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/24/2021 10:23**		
Client ID:	**SW-1-DUP(031821)**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/13/2021 00:56**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-5**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**969.8 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1330	2060	pg/L	64.7	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1260	2060	pg/L	61.1	(26%-138%)
37Cl-2,3,7,8-TCDD		157	206	pg/L	76.3	(35%-197%)

Comments:

B **The target analyte was detected in the associated blank.**
J **Value is estimated**
K **Estimated Maximum Possible Concentration**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17896003**	**Date Collected:**	**03/18/2021 09:00**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/24/2021 10:23**		
Client ID:	**SW-2(031821)**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/13/2021 01:46**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-6**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**1036.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	0.961	pg/L	0.961	9.64
40321-76-4	1,2,3,7,8-PeCDD	U	1.08	pg/L	1.08	48.2
39227-28-6	1,2,3,4,7,8-HxCDD	U	1.80	pg/L	1.80	48.2
57653-85-7	1,2,3,6,7,8-HxCDD	U	1.71	pg/L	1.71	48.2
19408-74-3	1,2,3,7,8,9-HxCDD	JK	2.04	pg/L	1.77	48.2
35822-46-9	1,2,3,4,6,7,8-HpCDD	J	44.5	pg/L	5.38	48.2
3268-87-9	1,2,3,4,6,7,8,9-OCDD		807	pg/L	10.2	96.4
51207-31-9	2,3,7,8-TCDF	U	1.07	pg/L	1.07	9.64
57117-41-6	1,2,3,7,8-PeCDF	U	0.729	pg/L	0.729	48.2
57117-31-4	2,3,4,7,8-PeCDF	U	0.648	pg/L	0.648	48.2
70648-26-9	1,2,3,4,7,8-HxCDF	U	0.548	pg/L	0.548	48.2
57117-44-9	1,2,3,6,7,8-HxCDF	U	0.525	pg/L	0.525	48.2
60851-34-5	2,3,4,6,7,8-HxCDF	U	0.538	pg/L	0.538	48.2
72918-21-9	1,2,3,7,8,9-HxCDF	U	0.799	pg/L	0.799	48.2
67562-39-4	1,2,3,4,6,7,8-HpCDF	BJK	1.20	pg/L	0.785	48.2
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	1.22	pg/L	1.22	48.2
39001-02-0	1,2,3,4,6,7,8,9-OCDF	BJK	4.11	pg/L	2.58	96.4
41903-57-5	Total TeCDD	U	0.961	pg/L	0.961	9.64
36088-22-9	Total PeCDD	BJK	1.83	pg/L	1.08	48.2
34465-46-8	Total HxCDD	BJK	19.5	pg/L	1.71	48.2
37871-00-4	Total HpCDD	J	108	pg/L	5.38	48.2
30402-14-3	Total TeCDF	U	1.07	pg/L	1.07	9.64
30402-15-4	Total PeCDF	BJ	0.772	pg/L	0.397	48.2
55684-94-1	Total HxCDF	BJK	1.89	pg/L	0.525	48.2
38998-75-3	Total HpCDF	BJK	4.86	pg/L	0.785	48.2
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.905	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		2.39	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1460	1930	pg/L	75.7	(25%-164%)
13C-1,2,3,7,8-PeCDD		1400	1930	pg/L	72.7	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1170	1930	pg/L	60.7	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1440	1930	pg/L	74.9	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1470	1930	pg/L	76.2	(23%-140%)
13C-OCDD		2480	3860	pg/L	64.3	(17%-157%)
13C-2,3,7,8-TCDF		1480	1930	pg/L	76.7	(24%-169%)
13C-1,2,3,7,8-PeCDF		1520	1930	pg/L	78.8	(24%-185%)
13C-2,3,4,7,8-PeCDF		1500	1930	pg/L	77.5	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1290	1930	pg/L	66.7	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1400	1930	pg/L	72.6	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1400	1930	pg/L	72.8	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1410	1930	pg/L	72.9	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17896003**	**Date Collected:**	**03/18/2021 09:00**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/24/2021 10:23**		
Client ID:	**SW-2(031821)**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/13/2021 01:46**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-6**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**1036.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1410	1930	pg/L	73.0	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1420	1930	pg/L	73.8	(26%-138%)
37Cl-2,3,7,8-TCDD		164	193	pg/L	84.8	(35%-197%)

Comments:

B **The target analyte was detected in the associated blank.**
J **Value is estimated**
K **Estimated Maximum Possible Concentration**
U **Analyte was analyzed for, but not detected above the specified detection limit.**

Quality Control Summary

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1C0750

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12029050	LCS for batch 46544	13C-2,3,7,8-TCDD		86.3	(20%-175%)
		13C-1,2,3,7,8-PeCDD		88.4	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		72.7	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		83.0	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		88.7	(22%-166%)
		13C-OCDD		74.7	(13%-199%)
		13C-2,3,7,8-TCDF		84.7	(22%-152%)
		13C-1,2,3,7,8-PeCDF		91.2	(21%-192%)
		13C-2,3,4,7,8-PeCDF		90.4	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		76.3	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		80.8	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		80.0	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		79.8	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		81.0	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		80.9	(20%-186%)
		37Cl-2,3,7,8-TCDD		89.2	(31%-191%)
12029051	LCSD for batch 46544	13C-2,3,7,8-TCDD		76.1	(20%-175%)
		13C-1,2,3,7,8-PeCDD		80.8	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		69.4	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		79.3	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		86.5	(22%-166%)
		13C-OCDD		78.6	(13%-199%)
		13C-2,3,7,8-TCDF		79.0	(22%-152%)
		13C-1,2,3,7,8-PeCDF		83.1	(21%-192%)
		13C-2,3,4,7,8-PeCDF		81.4	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		73.8	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		80.2	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		76.1	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		79.3	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		77.5	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		81.0	(20%-186%)
		37Cl-2,3,7,8-TCDD		78.4	(31%-191%)
12029049	MB for batch 46544	13C-2,3,7,8-TCDD		84.8	(25%-164%)
		13C-1,2,3,7,8-PeCDD		82.4	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		68.6	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		77.7	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		85.1	(23%-140%)
		13C-OCDD		75.2	(17%-157%)
		13C-2,3,7,8-TCDF		83.0	(24%-169%)
		13C-1,2,3,7,8-PeCDF		82.2	(24%-185%)
		13C-2,3,4,7,8-PeCDF		85.1	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		73.7	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		79.0	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		77.8	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		79.7	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		76.7	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		79.1	(26%-138%)
		37Cl-2,3,7,8-TCDD		85.6	(35%-197%)
17896001	SW-1(031821)	13C-2,3,7,8-TCDD		72.1	(25%-164%)

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1C0750

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
17896001	SW-1(031821)	13C-1,2,3,7,8-PeCDD		73.2	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		64.1	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		71.7	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		79.2	(23%-140%)
		13C-OCDD		70.0	(17%-157%)
		13C-2,3,7,8-TCDF		72.7	(24%-169%)
		13C-1,2,3,7,8-PeCDF		75.3	(24%-185%)
		13C-2,3,4,7,8-PeCDF		74.4	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		67.3	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		72.2	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		71.0	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		72.2	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		73.4	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		73.4	(26%-138%)
		37Cl-2,3,7,8-TCDD		81.0	(35%-197%)
17896002	SW-1-DUP(031821)	13C-2,3,7,8-TCDD		63.3	(25%-164%)
		13C-1,2,3,7,8-PeCDD		60.9	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		53.7	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		67.2	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		66.9	(23%-140%)
		13C-OCDD		58.5	(17%-157%)
		13C-2,3,7,8-TCDF		63.4	(24%-169%)
		13C-1,2,3,7,8-PeCDF		63.5	(24%-185%)
		13C-2,3,4,7,8-PeCDF		60.6	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		60.5	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		65.8	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		65.3	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		60.3	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		64.7	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		61.1	(26%-138%)
		37Cl-2,3,7,8-TCDD		76.3	(35%-197%)
17896003	SW-2(031821)	13C-2,3,7,8-TCDD		75.7	(25%-164%)
		13C-1,2,3,7,8-PeCDD		72.7	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		60.7	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		74.9	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		76.2	(23%-140%)
		13C-OCDD		64.3	(17%-157%)
		13C-2,3,7,8-TCDF		76.7	(24%-169%)
		13C-1,2,3,7,8-PeCDF		78.8	(24%-185%)
		13C-2,3,4,7,8-PeCDF		77.5	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		66.7	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		72.6	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		72.8	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		72.9	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		73.0	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		73.8	(26%-138%)
		37Cl-2,3,7,8-TCDD		84.8	(35%-197%)

* Recovery outside Acceptance Limits

Hi-Res Dioxins/Furans

Surrogate Recovery Report

SDG Number: A1C0750

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: A1C0750 **Sample Type:** Laboratory Control Sample

Client ID: LCS for batch 46544 **Matrix:** WATER

Lab Sample ID: 12029050

Instrument: HRP750 **Analysis Date:** 04/12/2021 21:37 **Dilution:** 1

Analyst: CLP **Prep Batch ID:** 46544

Batch ID: 46547

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits
1746-01-6	LCS	2,3,7,8-TCDD	200	185	92.6	67-158
40321-76-4	LCS	1,2,3,7,8-PeCDD	1000	1040	104	70-142
39227-28-6	LCS	1,2,3,4,7,8-HxCDD	1000	1010	101	70-164
57653-85-7	LCS	1,2,3,6,7,8-HxCDD	1000	1030	103	76-134
19408-74-3	LCS	1,2,3,7,8,9-HxCDD	1000	1040	104	64-162
35822-46-9	LCS	1,2,3,4,6,7,8-HpCDD	1000	948	94.8	70-140
3268-87-9	LCS	1,2,3,4,6,7,8,9-OCDD	2000	1900	95.2	78-144
51207-31-9	LCS	2,3,7,8-TCDF	200	188	94.1	75-158
57117-41-6	LCS	1,2,3,7,8-PeCDF	1000	934	93.4	80-134
57117-31-4	LCS	2,3,4,7,8-PeCDF	1000	946	94.6	68-160
70648-26-9	LCS	1,2,3,4,7,8-HxCDF	1000	914	91.4	72-134
57117-44-9	LCS	1,2,3,6,7,8-HxCDF	1000	905	90.5	84-130
60851-34-5	LCS	2,3,4,6,7,8-HxCDF	1000	894	89.4	70-156
72918-21-9	LCS	1,2,3,7,8,9-HxCDF	1000	899	89.9	78-130
67562-39-4	LCS	1,2,3,4,6,7,8-HpCDF	1000	884	88.4	82-122
55673-89-7	LCS	1,2,3,4,7,8,9-HpCDF	1000	890	89	78-138
39001-02-0	LCS	1,2,3,4,6,7,8,9-OCDF	2000	1820	90.9	63-170

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: A1C0750 **Sample Type:** Laboratory Control Sample Duplicate

Client ID: LCSD for batch 46544 **Matrix:** WATER

Lab Sample ID: 12029051

Instrument: HRP750 **Analysis Date:** 04/12/2021 22:26 **Dilution:** 1

Analyst: CLP **Prep Batch ID:** 46544

Batch ID: 46547

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
1746-01-6	LCSD	2,3,7,8-TCDD	200	184	92	67-158	0.618	0-20
40321-76-4	LCSD	1,2,3,7,8-PeCDD	1000	1040	104	70-142	0.158	0-20
39227-28-6	LCSD	1,2,3,4,7,8-HxCDD	1000	1020	102	70-164	0.884	0-20
57653-85-7	LCSD	1,2,3,6,7,8-HxCDD	1000	1040	104	76-134	1.53	0-20
19408-74-3	LCSD	1,2,3,7,8,9-HxCDD	1000	1070	107	64-162	2.94	0-20
35822-46-9	LCSD	1,2,3,4,6,7,8-HpCDD	1000	951	95.1	70-140	0.364	0-20
3268-87-9	LCSD	1,2,3,4,6,7,8,9-OCDD	2000	1890	94.4	78-144	0.850	0-20
51207-31-9	LCSD	2,3,7,8-TCDF	200	184	92.2	75-158	2.02	0-20
57117-41-6	LCSD	1,2,3,7,8-PeCDF	1000	945	94.5	80-134	1.22	0-20
57117-31-4	LCSD	2,3,4,7,8-PeCDF	1000	944	94.4	68-160	0.237	0-20
70648-26-9	LCSD	1,2,3,4,7,8-HxCDF	1000	928	92.8	72-134	1.48	0-20
57117-44-9	LCSD	1,2,3,6,7,8-HxCDF	1000	898	89.8	84-130	0.874	0-20
60851-34-5	LCSD	2,3,4,6,7,8-HxCDF	1000	908	90.8	70-156	1.52	0-20
72918-21-9	LCSD	1,2,3,7,8,9-HxCDF	1000	902	90.2	78-130	0.233	0-20
67562-39-4	LCSD	1,2,3,4,6,7,8-HpCDF	1000	896	89.6	82-122	1.25	0-20
55673-89-7	LCSD	1,2,3,4,7,8,9-HpCDF	1000	887	88.7	78-138	0.425	0-20
39001-02-0	LCSD	1,2,3,4,6,7,8,9-OCDF	2000	1830	91.6	63-170	0.788	0-20

Method Blank Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Matrix:**	**WATER**
Client ID:	**MB for batch 46544**	**Instrument ID:**	**HRP750**	**Data File:**	**A10APR21A_7-3**
Lab Sample ID:	**12029049**	**Prep Date:**	**08-APR-21**	**Analyzed:**	**04/12/21 23:16**
Column:					

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 46544	12029050	A10APR21A_7-1	04/12/21	2137
02	LCSD for batch 46544	12029051	A10APR21A_7-2	04/12/21	2226
03	SW-1(031821)	17896001	A10APR21A_7-4	04/13/21	0006
04	SW-1-DUP(031821)	17896002	A10APR21A_7-5	04/13/21	0056
05	SW-2(031821)	17896003	A10APR21A_7-6	04/13/21	0146

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029049**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46544**				
Client ID:	**MB for batch 46544**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/12/2021 23:16**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-3**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.01	pg/L	1.01	10.0
40321-76-4	1,2,3,7,8-PeCDD	JK	0.780	pg/L	0.644	50.0
39227-28-6	1,2,3,4,7,8-HxCDD	U	1.29	pg/L	1.29	50.0
57653-85-7	1,2,3,6,7,8-HxCDD	U	1.23	pg/L	1.23	50.0
19408-74-3	1,2,3,7,8,9-HxCDD	U	1.27	pg/L	1.27	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD	U	1.48	pg/L	1.48	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD	JK	3.34	pg/L	1.32	100
51207-31-9	2,3,7,8-TCDF	U	0.774	pg/L	0.774	10.0
57117-41-6	1,2,3,7,8-PeCDF	JK	1.04	pg/L	0.636	50.0
57117-31-4	2,3,4,7,8-PeCDF	JK	1.02	pg/L	0.574	50.0
70648-26-9	1,2,3,4,7,8-HxCDF	JK	0.860	pg/L	0.540	50.0
57117-44-9	1,2,3,6,7,8-HxCDF	J	0.700	pg/L	0.560	50.0
60851-34-5	2,3,4,6,7,8-HxCDF	J	0.820	pg/L	0.558	50.0
72918-21-9	1,2,3,7,8,9-HxCDF	JK	1.10	pg/L	0.822	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF	JK	0.820	pg/L	0.620	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF	JK	1.16	pg/L	0.946	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	2.30	pg/L	1.97	100
41903-57-5	Total TeCDD	U	1.01	pg/L	1.01	10.0
36088-22-9	Total PeCDD	JK	2.18	pg/L	0.644	50.0
34465-46-8	Total HxCDD	JK	8.02	pg/L	1.23	50.0
37871-00-4	Total HpCDD	U	1.48	pg/L	1.48	50.0
30402-14-3	Total TeCDF	U	0.774	pg/L	0.774	10.0
30402-15-4	Total PeCDF	JK	2.06	pg/L	0.574	50.0
55684-94-1	Total HxCDF	JK	3.48	pg/L	0.540	50.0
38998-75-3	Total HpCDF	JK	1.98	pg/L	0.620	50.0
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		1.49	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		2.23	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1700	2000	pg/L	84.8	(25%-164%)
13C-1,2,3,7,8-PeCDD		1650	2000	pg/L	82.4	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1370	2000	pg/L	68.6	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1550	2000	pg/L	77.7	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1700	2000	pg/L	85.1	(23%-140%)
13C-OCDD		3010	4000	pg/L	75.2	(17%-157%)
13C-2,3,7,8-TCDF		1660	2000	pg/L	83.0	(24%-169%)
13C-1,2,3,7,8-PeCDF		1640	2000	pg/L	82.2	(24%-185%)
13C-2,3,4,7,8-PeCDF		1700	2000	pg/L	85.1	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1470	2000	pg/L	73.7	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1580	2000	pg/L	79.0	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1560	2000	pg/L	77.8	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1590	2000	pg/L	79.7	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029049**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46544**				
Client ID:	**MB for batch 46544**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/12/2021 23:16**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-3**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1530	2000	pg/L	76.7	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1580	2000	pg/L	79.1	(26%-138%)
37Cl-2,3,7,8-TCDD		171	200	pg/L	85.6	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029050**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46544**				
Client ID:	**LCS for batch 46544**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/12/2021 21:37**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-1**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		185	pg/L	1.16	10.0
40321-76-4	1,2,3,7,8-PeCDD		1040	pg/L	2.68	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		1010	pg/L	4.38	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		1030	pg/L	4.24	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		1040	pg/L	4.36	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		948	pg/L	7.20	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1900	pg/L	12.5	100
51207-31-9	2,3,7,8-TCDF		188	pg/L	1.14	10.0
57117-41-6	1,2,3,7,8-PeCDF		934	pg/L	3.24	50.0
57117-31-4	2,3,4,7,8-PeCDF		946	pg/L	2.94	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		914	pg/L	4.92	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		905	pg/L	4.82	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		894	pg/L	4.84	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		899	pg/L	7.00	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		884	pg/L	5.18	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		890	pg/L	7.92	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		1820	pg/L	10.7	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1730	2000	pg/L	86.3	(20%-175%)
13C-1,2,3,7,8-PeCDD		1770	2000	pg/L	88.4	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1450	2000	pg/L	72.7	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1660	2000	pg/L	83.0	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1770	2000	pg/L	88.7	(22%-166%)
13C-OCDD		2990	4000	pg/L	74.7	(13%-199%)
13C-2,3,7,8-TCDF		1690	2000	pg/L	84.7	(22%-152%)
13C-1,2,3,7,8-PeCDF		1820	2000	pg/L	91.2	(21%-192%)
13C-2,3,4,7,8-PeCDF		1810	2000	pg/L	90.4	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1530	2000	pg/L	76.3	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1620	2000	pg/L	80.8	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1600	2000	pg/L	80.0	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1600	2000	pg/L	79.8	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1620	2000	pg/L	81.0	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1620	2000	pg/L	80.9	(20%-186%)
37Cl-2,3,7,8-TCDD		178	200	pg/L	89.2	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C0750**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029051**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46544**				
Client ID:	**LCSD for batch 46544**			**Prep Basis:**	**As Received**
Batch ID:	**46547**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/12/2021 22:26**	**Analyst:**	**CLP**	**Instrument:**	**HRP750**
Data File:	**A10APR21A_7-2**			**Dilution:**	**1**
Prep Batch:	**46544**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**08-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		184	pg/L	0.902	10.0
40321-76-4	1,2,3,7,8-PeCDD		1040	pg/L	1.90	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		1020	pg/L	4.24	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		1040	pg/L	3.98	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		1070	pg/L	4.16	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		951	pg/L	5.88	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1890	pg/L	10.2	100
51207-31-9	2,3,7,8-TCDF		184	pg/L	1.06	10.0
57117-41-6	1,2,3,7,8-PeCDF		945	pg/L	3.96	50.0
57117-31-4	2,3,4,7,8-PeCDF		944	pg/L	3.78	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		928	pg/L	4.14	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		898	pg/L	4.26	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		908	pg/L	4.48	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		902	pg/L	6.34	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		896	pg/L	4.86	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		887	pg/L	7.26	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		1830	pg/L	11.6	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1520	2000	pg/L	76.1	(20%-175%)
13C-1,2,3,7,8-PeCDD		1620	2000	pg/L	80.8	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1390	2000	pg/L	69.4	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1590	2000	pg/L	79.3	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1730	2000	pg/L	86.5	(22%-166%)
13C-OCDD		3140	4000	pg/L	78.6	(13%-199%)
13C-2,3,7,8-TCDF		1580	2000	pg/L	79.0	(22%-152%)
13C-1,2,3,7,8-PeCDF		1660	2000	pg/L	83.1	(21%-192%)
13C-2,3,4,7,8-PeCDF		1630	2000	pg/L	81.4	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1480	2000	pg/L	73.8	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1600	2000	pg/L	80.2	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1520	2000	pg/L	76.1	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1590	2000	pg/L	79.3	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1550	2000	pg/L	77.5	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1620	2000	pg/L	81.0	(20%-186%)
37Cl-2,3,7,8-TCDD		157	200	pg/L	78.4	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

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

ANALYTICAL REPORT

Tuesday, April 27, 2021

Kyle Haggart
GeoDesign, Inc.
9450 SW Commerce Circle
Wilsonville, OR 97070

RE: A1C1109 - Former Automatic Vending Co. - BCSAmerica-1-02

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 A1C1109, which was received by the laboratory on 3/29/2021 at 7:30:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@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.

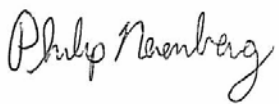
Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	3.9 degC	Cooler #2	2.6 degC
Cooler #3	0.1 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



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1(032821)	A1C1109-01	Water	03/28/21 15:55	03/29/21 07:30
SW-2(032821)	A1C1109-02	Water	03/28/21 16:00	03/29/21 07:30
SW-2-DUP(032821)	A1C1109-03	Water	03/28/21 16:05	03/29/21 07:30
SW-1-TB(032821)	A1C1109-04	Water	03/28/21 00:00	03/29/21 07:30
SW-2-TB(032821)	A1C1109-05	Water	03/28/21 00:00	03/29/21 07:30
SW-2-DUP-TB(032821)	A1C1109-06	Water	03/28/21 00:00	03/29/21 07:30

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**		**Batch: 1040078**		
Diesel	ND	0.0952	0.190	mg/L	1	04/02/21 23:06	NWTPH-Dx	
Oil	ND	0.190	0.381	mg/L	1	04/02/21 23:06	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 96 %*	*Limits: 50-150 %*		*1*	*04/02/21 23:06*	*NWTPH-Dx*	
SW-2(032821) (A1C1109-02)				**Matrix: Water**		**Batch: 1040078**		
Diesel	**0.306**	0.0935	0.187	mg/L	1	04/02/21 23:28	NWTPH-Dx	**F-11**
Oil	ND	0.187	0.374	mg/L	1	04/02/21 23:28	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 98 %*	*Limits: 50-150 %*		*1*	*04/02/21 23:28*	*NWTPH-Dx*	
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1040078**		
Diesel	**0.266**	0.0935	0.187	mg/L	1	04/02/21 23:50	NWTPH-Dx	**F-11**
Oil	ND	0.187	0.374	mg/L	1	04/02/21 23:50	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 97 %*	*Limits: 50-150 %*		*1*	*04/02/21 23:50*	*NWTPH-Dx*	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

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
SW-1(032821) (A1C1109-01)				**Matrix: Water**		**Batch: 1031194**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	03/31/21 17:15	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 113 %*	*Limits: 50-150 %*		*1*	*03/31/21 17:15*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*98 %*	*50-150 %*		*1*	*03/31/21 17:15*	*NWTPH-Gx (MS)*	
SW-2(032821) (A1C1109-02)				**Matrix: Water**		**Batch: 1031194**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	03/31/21 17:42	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 112 %*	*Limits: 50-150 %*		*1*	*03/31/21 17:42*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*97 %*	*50-150 %*		*1*	*03/31/21 17:42*	*NWTPH-Gx (MS)*	
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1031194**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	03/31/21 18:09	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 112 %*	*Limits: 50-150 %*		*1*	*03/31/21 18:09*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*98 %*	*50-150 %*		*1*	*03/31/21 18:09*	*NWTPH-Gx (MS)*	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**		**Batch: 1031194**		
Acetone	ND	10.0	20.0	ug/L	1	03/31/21 17:15	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:15	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/31/21 17:15	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/31/21 17:15	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
tert-Butylbenzene	ND	1.00	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/31/21 17:15	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:15	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	03/31/21 17:15	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:15	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:15	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:15	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/31/21 17:15	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/31/21 17:15	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/31/21 17:15	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	03/31/21 17:15	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**		**Batch: 1031194**		
Naphthalene	ND	1.00	2.00	ug/L	1	03/31/21 17:15	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:15	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	03/31/21 17:15	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/31/21 17:15	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/31/21 17:15	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/31/21 17:15	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/31/21 17:15	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/31/21 17:15	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*115 %*	*Limits: 80-120 %*	*1*	*03/31/21 17:15*	*EPA 8260D*	
Toluene-d8 (Surr)			*94 %*	*80-120 %*	*1*	*03/31/21 17:15*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*03/31/21 17:15*	*EPA 8260D*	
SW-2(032821) (A1C1109-02)				**Matrix: Water**		**Batch: 1031194**		
Acetone	ND	10.0	20.0	ug/L	1	03/31/21 17:42	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:42	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/31/21 17:42	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/31/21 17:42	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
tert-Butylbenzene	ND	1.00	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/31/21 17:42	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:42	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	03/31/21 17:42	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:42	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(032821) (A1C1109-02)				**Matrix: Water**		**Batch: 1031194**		
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:42	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:42	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/31/21 17:42	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/31/21 17:42	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/31/21 17:42	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	03/31/21 17:42	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	03/31/21 17:42	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/31/21 17:42	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	03/31/21 17:42	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/31/21 17:42	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/31/21 17:42	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/31/21 17:42	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/31/21 17:42	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/31/21 17:42	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*115 %*	*Limits: 80-120 %*	*1*	*03/31/21 17:42*	*EPA 8260D*	
Toluene-d8 (Surr)			*92 %*	*80-120 %*	*1*	*03/31/21 17:42*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*80-120 %*	*1*	*03/31/21 17:42*	*EPA 8260D*	
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1031194**		
Acetone	ND	20.0	20.0	ug/L	1	03/31/21 18:09	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	03/31/21 18:09	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	03/31/21 18:09	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	03/31/21 18:09	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1031194**		
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
tert-Butylbenzene	ND	1.00	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	03/31/21 18:09	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 18:09	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	03/31/21 18:09	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 18:09	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 18:09	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	03/31/21 18:09	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	03/31/21 18:09	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	03/31/21 18:09	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	03/31/21 18:09	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	03/31/21 18:09	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	03/31/21 18:09	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	03/31/21 18:09	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	03/31/21 18:09	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	03/31/21 18:09	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/31/21 18:09	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	03/31/21 18:09	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	03/31/21 18:09	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	03/31/21 18:09	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 118 %*		*Limits: 80-120 %*	*1*	*03/31/21 18:09*	*EPA 8260D*	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1031194**		
Surrogate: Toluene-d8 (Surr)			*Recovery: 93 %*	*Limits: 80-120 %*	*1*	*03/31/21 18:09*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*80-120 %*	*1*	*03/31/21 18:09*	*EPA 8260D*	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**		**Batch: 1040059**		
Benzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/02/21 14:36	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/02/21 14:36*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/02/21 14:36*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*95 %*	*80-120 %*	*1*	*04/02/21 14:36*	*EPA 8260D SIM*	
SW-2(032821) (A1C1109-02)				**Matrix: Water**		**Batch: 1040059**		
Benzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(032821) (A1C1109-02)				**Matrix: Water**		**Batch: 1040059**		
o-Xylene	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/02/21 15:03	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*04/02/21 15:03*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/02/21 15:03*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*94 %*	*80-120 %*	*1*	*04/02/21 15:03*	*EPA 8260D SIM*	
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1040059**		
Benzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1040059**		
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/02/21 15:29	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits:*	*80-120 %*	*1*	*04/02/21 15:29*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*94 %*		*80-120 %*	*1*	*04/02/21 15:29*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*	*1*	*04/02/21 15:29*	*EPA 8260D SIM*	
SW-1-TB(032821) (A1C1109-04)				**Matrix: Water**		**Batch: 1040059**		
Benzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-TB(032821) (A1C1109-04)				**Matrix: Water**		**Batch: 1040059**		
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/02/21 13:15	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits:*	*80-120 %*	*1*	*04/02/21 13:15*	*EPA 8260D SIM*
Toluene-d8 (Surr)			*92 %*		*80-120 %*	*1*	*04/02/21 13:15*	*EPA 8260D SIM*
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*	*1*	*04/02/21 13:15*	*EPA 8260D SIM*
SW-2-TB(032821) (A1C1109-05)				**Matrix: Water**		**Batch: 1040059**		
Benzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-TB(032821) (A1C1109-05)				**Matrix: Water**		**Batch: 1040059**		
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/02/21 13:42	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/02/21 13:42*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/02/21 13:42*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*04/02/21 13:42*	*EPA 8260D SIM*	
SW-2-DUP-TB(032821) (A1C1109-06)				**Matrix: Water**		**Batch: 1040059**		
Benzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-DUP-TB(032821) (A1C1109-06)				**Matrix: Water**		**Batch: 1040059**		
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/02/21 14:09	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/02/21 14:09*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/02/21 14:09*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*04/02/21 14:09*	*EPA 8260D SIM*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

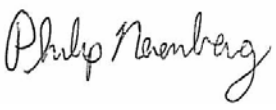
GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**		**Batch: 1040065**		**C-07**
Aroclor 1016	ND	0.0200	0.0400	ug/L	1	04/05/21 08:26	EPA 8082A	
Aroclor 1221	ND	0.0200	0.0400	ug/L	1	04/05/21 08:26	EPA 8082A	
Aroclor 1232	ND	0.0200	0.0400	ug/L	1	04/05/21 08:26	EPA 8082A	
Aroclor 1242	ND	0.0200	0.0400	ug/L	1	04/05/21 08:26	EPA 8082A	
Aroclor 1248	ND	0.0200	0.0400	ug/L	1	04/05/21 08:26	EPA 8082A	
Aroclor 1254	ND	0.0200	0.0400	ug/L	1	04/05/21 08:26	EPA 8082A	
Aroclor 1260	ND	0.0200	0.0400	ug/L	1	04/05/21 08:26	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 85 %*		*Limits: 40-135 %*	*1*	*04/05/21 08:26*	*EPA 8082A*	
SW-2(032821) (A1C1109-02)				**Matrix: Water**		**Batch: 1040065**		**C-07**
Aroclor 1016	ND	0.0187	0.0374	ug/L	1	04/05/21 08:43	EPA 8082A	
Aroclor 1221	ND	0.0187	0.0374	ug/L	1	04/05/21 08:43	EPA 8082A	
Aroclor 1232	ND	0.0187	0.0374	ug/L	1	04/05/21 08:43	EPA 8082A	
Aroclor 1242	ND	0.0187	0.0374	ug/L	1	04/05/21 08:43	EPA 8082A	
Aroclor 1248	ND	0.0187	0.0374	ug/L	1	04/05/21 08:43	EPA 8082A	
Aroclor 1254	ND	0.0187	0.0374	ug/L	1	04/05/21 08:43	EPA 8082A	
Aroclor 1260	ND	0.0187	0.0374	ug/L	1	04/05/21 08:43	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 82 %*		*Limits: 40-135 %*	*1*	*04/05/21 08:43*	*EPA 8082A*	
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**		**Batch: 1040065**		**C-07**
Aroclor 1016	ND	0.0187	0.0374	ug/L	1	04/05/21 09:01	EPA 8082A	
Aroclor 1221	ND	0.0187	0.0374	ug/L	1	04/05/21 09:01	EPA 8082A	
Aroclor 1232	ND	0.0187	0.0374	ug/L	1	04/05/21 09:01	EPA 8082A	
Aroclor 1242	ND	0.0187	0.0374	ug/L	1	04/05/21 09:01	EPA 8082A	
Aroclor 1248	ND	0.0187	0.0374	ug/L	1	04/05/21 09:01	EPA 8082A	
Aroclor 1254	ND	0.0187	0.0374	ug/L	1	04/05/21 09:01	EPA 8082A	
Aroclor 1260	ND	0.0187	0.0374	ug/L	1	04/05/21 09:01	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 76 %*		*Limits: 40-135 %*	*1*	*04/05/21 09:01*	*EPA 8082A*	

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01RE2)				**Matrix: Water**		**Batch: 1031212**		
Acenaphthene	**0.0102**	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	**J**
Acenaphthylene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Anthracene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Benz(a)anthracene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Benzo(a)pyrene	**0.0176**	0.0153	0.0306	ug/L	1	04/01/21 13:53	EPA 8270E	**J**
Benzo(b)fluoranthene	**0.0172**	0.0153	0.0306	ug/L	1	04/01/21 13:53	EPA 8270E	**J**
Benzo(k)fluoranthene	ND	0.0153	0.0306	ug/L	1	04/01/21 13:53	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Chrysene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Fluoranthene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Fluorene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
1-Methylnaphthalene	ND	0.0204	0.0408	ug/L	1	04/01/21 13:53	EPA 8270E	
2-Methylnaphthalene	ND	0.0204	0.0408	ug/L	1	04/01/21 13:53	EPA 8270E	
Naphthalene	ND	0.0204	0.0408	ug/L	1	04/01/21 13:53	EPA 8270E	
Phenanthrene	**0.0117**	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	**J**
Pyrene	**0.0106**	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	**J**
Carbazole	ND	0.0153	0.0306	ug/L	1	04/01/21 13:53	EPA 8270E	
Dibenzofuran	ND	0.0102	0.0204	ug/L	1	04/01/21 13:53	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.204	0.408	ug/L	1	04/01/21 13:53	EPA 8270E	
Butyl benzyl phthalate	ND	0.204	0.408	ug/L	1	04/01/21 13:53	EPA 8270E	
Diethylphthalate	ND	0.204	0.408	ug/L	1	04/01/21 13:53	EPA 8270E	
Dimethylphthalate	ND	0.204	0.408	ug/L	1	04/01/21 13:53	EPA 8270E	
Di-n-butylphthalate	ND	0.204	0.408	ug/L	1	04/01/21 13:53	EPA 8270E	
Di-n-octyl phthalate	ND	0.204	0.408	ug/L	1	04/01/21 13:53	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*80 %*	*Limits:* *44-120 %*	*1*	*04/01/21 13:53*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*57 %*	*44-120 %*	*1*	*04/01/21 13:53*	*EPA 8270E*	
Phenol-d6 (Surr)			*27 %*	*10-133 %*	*1*	*04/01/21 13:53*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*77 %*	*50-134 %*	*1*	*04/01/21 13:53*	*EPA 8270E*	
2-Fluorophenol (Surr)			*36 %*	*19-120 %*	*1*	*04/01/21 13:53*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*80 %*	*43-140 %*	*1*	*04/01/21 13:53*	*EPA 8270E*	
SW-2(032821) (A1C1109-02RE1)				**Matrix: Water**		**Batch: 1031212**		**R-04**

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(032821) (A1C1109-02RE1)				**Matrix: Water**		**Batch: 1031212**		**R-04**
Acenaphthene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Acenaphthylene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Anthracene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Benz(a)anthracene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Benzo(a)pyrene	ND	0.0561	0.112	ug/L	4	03/31/21 23:14	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0561	0.112	ug/L	4	03/31/21 23:14	EPA 8270E	
Benzo(k)fluoranthene	ND	0.0561	0.112	ug/L	4	03/31/21 23:14	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Chrysene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Fluoranthene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Fluorene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
1-Methylnaphthalene	ND	0.0748	0.150	ug/L	4	03/31/21 23:14	EPA 8270E	
2-Methylnaphthalene	ND	0.0748	0.150	ug/L	4	03/31/21 23:14	EPA 8270E	
Naphthalene	ND	0.0748	0.150	ug/L	4	03/31/21 23:14	EPA 8270E	
Phenanthrene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Pyrene	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Carbazole	ND	0.0561	0.112	ug/L	4	03/31/21 23:14	EPA 8270E	
Dibenzofuran	ND	0.0374	0.0748	ug/L	4	03/31/21 23:14	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.748	1.50	ug/L	4	03/31/21 23:14	EPA 8270E	
Butyl benzyl phthalate	ND	0.748	1.50	ug/L	4	03/31/21 23:14	EPA 8270E	
Diethylphthalate	ND	0.748	1.50	ug/L	4	03/31/21 23:14	EPA 8270E	
Dimethylphthalate	ND	0.748	1.50	ug/L	4	03/31/21 23:14	EPA 8270E	
Di-n-butylphthalate	ND	0.748	1.50	ug/L	4	03/31/21 23:14	EPA 8270E	
Di-n-octyl phthalate	ND	0.748	1.50	ug/L	4	03/31/21 23:14	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*89 %*	*Limits:* *44-120 %*	*4*	*03/31/21 23:14*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*65 %*	*44-120 %*	*4*	*03/31/21 23:14*	*EPA 8270E*	
Phenol-d6 (Surr)			*26 %*	*10-133 %*	*4*	*03/31/21 23:14*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*63 %*	*50-134 %*	*4*	*03/31/21 23:14*	*EPA 8270E*	
2-Fluorophenol (Surr)			*36 %*	*19-120 %*	*4*	*03/31/21 23:14*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*89 %*	*43-140 %*	*4*	*03/31/21 23:14*	*EPA 8270E*	
SW-2-DUP(032821) (A1C1109-03RE1)				**Matrix: Water**		**Batch: 1031212**		**R-04**

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-DUP(032821) (A1C1109-03RE1)				**Matrix: Water**		**Batch: 1031212**		**R-04**
Acenaphthene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Acenaphthylene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Anthracene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Benz(a)anthracene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Benzo(a)pyrene	ND	0.0561	0.112	ug/L	4	04/01/21 13:17	EPA 8270E	
Benzo(b)fluoranthene	ND	0.0561	0.112	ug/L	4	04/01/21 13:17	EPA 8270E	
Benzo(k)fluoranthene	ND	0.0561	0.112	ug/L	4	04/01/21 13:17	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Chrysene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Fluoranthene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Fluorene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
1-Methylnaphthalene	ND	0.0748	0.150	ug/L	4	04/01/21 13:17	EPA 8270E	
2-Methylnaphthalene	ND	0.0748	0.150	ug/L	4	04/01/21 13:17	EPA 8270E	
Naphthalene	ND	0.0748	0.150	ug/L	4	04/01/21 13:17	EPA 8270E	
Phenanthrene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Pyrene	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Carbazole	ND	0.0561	0.112	ug/L	4	04/01/21 13:17	EPA 8270E	
Dibenzofuran	ND	0.0374	0.0748	ug/L	4	04/01/21 13:17	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	0.748	1.50	ug/L	4	04/01/21 13:17	EPA 8270E	
Butyl benzyl phthalate	ND	0.748	1.50	ug/L	4	04/01/21 13:17	EPA 8270E	
Diethylphthalate	ND	0.748	1.50	ug/L	4	04/01/21 13:17	EPA 8270E	
Dimethylphthalate	ND	0.748	1.50	ug/L	4	04/01/21 13:17	EPA 8270E	
Di-n-butylphthalate	ND	0.748	1.50	ug/L	4	04/01/21 13:17	EPA 8270E	
Di-n-octyl phthalate	ND	0.748	1.50	ug/L	4	04/01/21 13:17	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*98 %*	*Limits: 44-120 %*	*4*	*04/01/21 13:17*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*70 %*	*44-120 %*	*4*	*04/01/21 13:17*	*EPA 8270E*	
Phenol-d6 (Surr)			*28 %*	*10-133 %*	*4*	*04/01/21 13:17*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*74 %*	*50-134 %*	*4*	*04/01/21 13:17*	*EPA 8270E*	
2-Fluorophenol (Surr)			*41 %*	*19-120 %*	*4*	*04/01/21 13:17*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*92 %*	*43-140 %*	*4*	*04/01/21 13:17*	*EPA 8270E*	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**				
Batch: 1040156								
Chromium	ND	0.500	1.00	ug/L	1	04/06/21 23:39	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	04/06/21 23:39	EPA 200.8	
Zinc	**45.1**	2.00	4.00	ug/L	1	04/06/21 23:39	EPA 200.8	
SW-2(032821) (A1C1109-02)				**Matrix: Water**				
Batch: 1040156								
Chromium	ND	0.500	1.00	ug/L	1	04/06/21 23:44	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	04/06/21 23:44	EPA 200.8	
Zinc	**41.7**	2.00	4.00	ug/L	1	04/06/21 23:44	EPA 200.8	
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**				
Batch: 1040156								
Chromium	ND	0.500	1.00	ug/L	1	04/07/21 00:01	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	04/07/21 00:01	EPA 200.8	
Zinc	**40.5**	2.00	4.00	ug/L	1	04/07/21 00:01	EPA 200.8	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**				
Batch: 1040504								
Arsenic	**0.143**	0.0500	0.100	ug/L	1	04/19/21 16:25	EPA 200.8-LL	
SW-1(032821) (A1C1109-01RE1)				**Matrix: Water**				
Batch: 1040504								
Cadmium	**0.0379**	0.00900	0.0180	ug/L	1	04/19/21 20:19	EPA 200.8-LL	
SW-2(032821) (A1C1109-02)				**Matrix: Water**				
Batch: 1040504								
Arsenic	**0.184**	0.0500	0.100	ug/L	1	04/19/21 16:46	EPA 200.8-LL	
SW-2(032821) (A1C1109-02RE3)				**Matrix: Water**				
Batch: 1040504								
Cadmium	**0.0408**	0.00900	0.0180	ug/L	1	04/19/21 21:00	EPA 200.8-LL	
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**				
Batch: 1040504								
Arsenic	**0.190**	0.0500	0.100	ug/L	1	04/19/21 16:53	EPA 200.8-LL	
SW-2-DUP(032821) (A1C1109-03RE1)				**Matrix: Water**				
Batch: 1040504								
Cadmium	**0.0379**	0.00900	0.0180	ug/L	1	04/19/21 19:58	EPA 200.8-LL	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(032821) (A1C1109-01)				**Matrix: Water**				
Batch: 1040705								
Total Suspended Solids	**8.00**	5.00	5.00	mg/L	1	04/22/21 10:49	SM 2540 D	**H-06, Q-42**
SW-2(032821) (A1C1109-02)				**Matrix: Water**				
Batch: 1040705								
Total Suspended Solids	ND	5.00	5.00	mg/L	1	04/22/21 10:49	SM 2540 D	H-06
SW-2-DUP(032821) (A1C1109-03)				**Matrix: Water**				
Batch: 1040705								
Total Suspended Solids	ND	5.00	5.00	mg/L	1	04/22/21 10:49	SM 2540 D	H-06

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040078 - EPA 3510C (Fuels/Acid Ext.)									Water			
Blank (1040078-BLK1)			Prepared: 04/02/21 12:02		Analyzed: 04/02/21 22:01							
NWTPH-Dx												
Diesel	ND	0.0909	0.182	mg/L	1	---	---	---	---	---	---	
Oil	ND	0.182	0.364	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 98 %*	*Limits: 50-150 %*		*Dilution: 1x*						
LCS (1040078-BS1)			Prepared: 04/02/21 12:02		Analyzed: 04/02/21 22:23							
NWTPH-Dx												
Diesel	1.14	0.100	0.200	mg/L	1	1.25	---	91	59-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 97 %*	*Limits: 50-150 %*		*Dilution: 1x*						
LCS Dup (1040078-BSD1)			Prepared: 04/02/21 12:02		Analyzed: 04/02/21 22:45							**Q-19**
NWTPH-Dx												
Diesel	1.24	0.100	0.200	mg/L	1	1.25	---	99	59-115%	8	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 102 %*	*Limits: 50-150 %*		*Dilution: 1x*						

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

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 1031194 - EPA 5030B									Water			
Blank (1031194-BLK1)			Prepared: 03/31/21 07:30		Analyzed: 03/31/21 10:03							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 112 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*98 %*		*50-150 %*				*"*			
LCS (1031194-BS2)			Prepared: 03/31/21 07:30		Analyzed: 03/31/21 09:36							
NWTPH-Gx (MS)												
Gasoline Range Organics	0.401	0.0500	0.100	mg/L	1	0.500	---	80	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 108 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*90 %*		*50-150 %*				*"*			
Duplicate (1031194-DUP1)			Prepared: 03/31/21 10:00		Analyzed: 03/31/21 14:33							
QC Source Sample: Non-SDG (A1C1160-05)												
Gasoline Range Organics	**0.374**	0.0500	0.100	mg/L	1	---	0.359	---	---	4	30%	F-12
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 107 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*97 %*		*50-150 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B							**Water**					
Blank (1031194-BLK1)			Prepared: 03/31/21 07:30 Analyzed: 03/31/21 10:03									
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	1.00	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B							Water					
Blank (1031194-BLK1)			Prepared: 03/31/21 07:30 Analyzed: 03/31/21 10:03									
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 114 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B												
Blank (1031194-BLK1)					Prepared: 03/31/21 07:30 Analyzed: 03/31/21 10:03							
Surr: Toluene-d8 (Surr)			*Recovery: 93 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*105 %*	*80-120 %*				*"*				
LCS (1031194-BS1)					Prepared: 03/31/21 07:30 Analyzed: 03/31/21 09:07							
EPA 8260D												
Acetone	36.8	10.0	20.0	ug/L	1	40.0	---	92	80-120%	---	---	
Acrylonitrile	21.4	1.00	2.00	ug/L	1	20.0	---	107	80-120%	---	---	
Benzene	20.4	0.100	0.200	ug/L	1	20.0	---	102	80-120%	---	---	
Bromobenzene	18.4	0.250	0.500	ug/L	1	20.0	---	92	80-120%	---	---	
Bromochloromethane	20.5	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
Bromodichloromethane	22.6	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
Bromoform	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
Bromomethane	15.0	5.00	5.00	ug/L	1	20.0	---	**75**	**80-120%**	---	---	Q-55
2-Butanone (MEK)	40.3	5.00	10.0	ug/L	1	40.0	---	101	80-120%	---	---	
n-Butylbenzene	19.3	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
sec-Butylbenzene	17.8	0.500	1.00	ug/L	1	20.0	---	89	80-120%	---	---	
tert-Butylbenzene	15.7	1.00	1.00	ug/L	1	20.0	---	**78**	**80-120%**	---	---	Q-55
Carbon disulfide	17.9	5.00	10.0	ug/L	1	20.0	---	90	80-120%	---	---	
Carbon tetrachloride	22.6	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
Chlorobenzene	19.5	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Chloroethane	27.1	5.00	5.00	ug/L	1	20.0	---	**135**	**80-120%**	---	---	Q-56
Chloroform	21.6	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Chloromethane	25.5	2.50	5.00	ug/L	1	20.0	---	**128**	**80-120%**	---	---	Q-56
2-Chlorotoluene	17.4	0.500	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
4-Chlorotoluene	16.7	0.500	1.00	ug/L	1	20.0	---	83	80-120%	---	---	
Dibromochloromethane	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2-Dibromo-3-chloropropane	18.2	2.50	5.00	ug/L	1	20.0	---	91	80-120%	---	---	
1,2-Dibromoethane (EDB)	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Dibromomethane	22.2	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
1,2-Dichlorobenzene	19.8	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,3-Dichlorobenzene	19.2	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
1,4-Dichlorobenzene	18.8	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Dichlorodifluoromethane	20.3	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,1-Dichloroethane	20.1	0.200	0.400	ug/L	1	20.0	---	101	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B							**Water**					
LCS (1031194-BS1)			Prepared: 03/31/21 07:30 Analyzed: 03/31/21 09:07									
1,2-Dichloroethane (EDC)	21.3	0.200	0.400	ug/L	1	20.0	---	107	80-120%	---	---	
1,1-Dichloroethene	19.3	0.200	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
cis-1,2-Dichloroethene	19.6	0.200	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
trans-1,2-Dichloroethene	19.2	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
1,2-Dichloropropane	19.2	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
1,3-Dichloropropane	18.6	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
2,2-Dichloropropane	19.3	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
1,1-Dichloropropene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
cis-1,3-Dichloropropene	18.6	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
trans-1,3-Dichloropropene	20.3	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Ethylbenzene	18.9	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Hexachlorobutadiene	25.1	2.50	5.00	ug/L	1	20.0	---	**125**	**80-120%**	---	---	Q-56
2-Hexanone	35.9	5.00	10.0	ug/L	1	40.0	---	90	80-120%	---	---	
Isopropylbenzene	19.3	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
4-Isopropyltoluene	18.8	0.500	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
Methylene chloride	21.3	5.00	10.0	ug/L	1	20.0	---	106	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	35.5	5.00	10.0	ug/L	1	40.0	---	89	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	17.2	0.500	1.00	ug/L	1	20.0	---	86	80-120%	---	---	
Naphthalene	16.9	1.00	2.00	ug/L	1	20.0	---	85	80-120%	---	---	
n-Propylbenzene	17.0	0.250	0.500	ug/L	1	20.0	---	85	80-120%	---	---	
Styrene	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,1,1,2-Tetrachloroethane	21.4	0.200	0.400	ug/L	1	20.0	---	107	80-120%	---	---	
1,1,2,2-Tetrachloroethane	18.1	0.250	0.500	ug/L	1	20.0	---	91	80-120%	---	---	
Tetrachloroethene (PCE)	21.3	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
Toluene	17.6	0.250	0.500	ug/L	1	20.0	---	88	80-120%	---	---	
1,2,3-Trichlorobenzene	22.9	1.00	2.00	ug/L	1	20.0	---	114	80-120%	---	---	
1,2,4-Trichlorobenzene	20.5	1.00	2.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,1,1-Trichloroethane	20.3	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
1,1,2-Trichloroethane	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Trichloroethene (TCE)	21.5	0.200	0.400	ug/L	1	20.0	---	107	80-120%	---	---	
Trichlorofluoromethane	24.2	1.00	2.00	ug/L	1	20.0	---	**121**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	17.8	0.500	1.00	ug/L	1	20.0	---	89	80-120%	---	---	
1,2,4-Trimethylbenzene	17.8	0.500	1.00	ug/L	1	20.0	---	89	80-120%	---	---	
1,3,5-Trimethylbenzene	17.5	0.500	1.00	ug/L	1	20.0	---	88	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B												**Water**
LCS (1031194-BS1)			Prepared: 03/31/21 07:30 Analyzed: 03/31/21 09:07									
Vinyl chloride	19.6	0.200	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
m,p-Xylene	38.8	0.500	1.00	ug/L	1	40.0	---	97	80-120%	---	---	
o-Xylene	18.4	0.250	0.500	ug/L	1	20.0	---	92	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 108 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*92 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*				*"*			
Duplicate (1031194-DUP1)			Prepared: 03/31/21 10:00 Analyzed: 03/31/21 14:33									
QC Source Sample: Non-SDG (A1C1160-05)												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	1.00	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B							**Water**					
Duplicate (1031194-DUP1)			Prepared: 03/31/21 10:00		Analyzed: 03/31/21 14:33							
QC Source Sample: Non-SDG (A1C1160-05)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	**33.6**	0.200	0.400	ug/L	1	---	32.1	---	---	4	30%	
trans-1,2-Dichloroethene	**0.760**	0.200	0.400	ug/L	1	---	0.970	---	---	24	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	**182**	0.200	0.400	ug/L	1	---	172	---	---	6	30%	
Toluene	**1.24**	0.250	0.500	ug/L	1	---	1.39	---	---	11	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B												Water
Duplicate (1031194-DUP1)				Prepared: 03/31/21 10:00 Analyzed: 03/31/21 14:33								
QC Source Sample: Non-SDG (A1C1160-05)												
Trichloroethene (TCE)	**40.5**	0.200	0.400	ug/L	1	---	38.3	---	---	6	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	**0.610**	0.200	0.400	ug/L	1	---	0.620	---	---	2	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 118 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*92 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*104 %*		*80-120 %*			*"*					
Matrix Spike (1031194-MS1)				Prepared: 03/31/21 10:00 Analyzed: 03/31/21 15:27								
QC Source Sample: Non-SDG (A1C1160-06)												
EPA 8260D												
Acetone	41.4	10.0	20.0	ug/L	1	40.0	ND	104	39-160%	---	---	
Acrylonitrile	22.5	1.00	2.00	ug/L	1	20.0	ND	113	63-135%	---	---	
Benzene	22.3	0.100	0.200	ug/L	1	20.0	ND	112	79-120%	---	---	
Bromobenzene	19.8	0.250	0.500	ug/L	1	20.0	ND	99	80-120%	---	---	
Bromochloromethane	21.1	0.500	1.00	ug/L	1	20.0	ND	106	78-123%	---	---	
Bromodichloromethane	23.4	0.500	1.00	ug/L	1	20.0	ND	117	79-125%	---	---	
Bromoform	21.8	0.500	1.00	ug/L	1	20.0	ND	109	66-130%	---	---	
Bromomethane	17.2	5.00	5.00	ug/L	1	20.0	ND	86	53-141%	---	---	Q-54e
2-Butanone (MEK)	44.1	5.00	10.0	ug/L	1	40.0	ND	110	56-143%	---	---	
n-Butylbenzene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	75-128%	---	---	
sec-Butylbenzene	19.6	0.500	1.00	ug/L	1	20.0	ND	98	77-126%	---	---	
tert-Butylbenzene	16.8	1.00	1.00	ug/L	1	20.0	ND	84	78-124%	---	---	Q-54d
Carbon disulfide	20.2	5.00	10.0	ug/L	1	20.0	ND	101	64-133%	---	---	
Carbon tetrachloride	26.0	0.500	1.00	ug/L	1	20.0	ND	130	72-136%	---	---	
Chlorobenzene	21.1	0.250	0.500	ug/L	1	20.0	ND	106	80-120%	---	---	
Chloroethane	29.0	5.00	5.00	ug/L	1	20.0	ND	**145**	**60-138%**	---	---	Q-54a
Chloroform	23.2	0.500	1.00	ug/L	1	20.0	ND	116	79-124%	---	---	
Chloromethane	27.7	2.50	5.00	ug/L	1	20.0	ND	139	50-139%	---	---	Q-54c

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B							**Water**					
Matrix Spike (1031194-MS1)			Prepared: 03/31/21 10:00		Analyzed: 03/31/21 15:27							
QC Source Sample: Non-SDG (A1C1160-06)												
2-Chlorotoluene	19.2	0.500	1.00	ug/L	1	20.0	ND	96	79-122%	---	---	
4-Chlorotoluene	17.8	0.500	1.00	ug/L	1	20.0	ND	89	78-122%	---	---	
Dibromochloromethane	20.4	0.500	1.00	ug/L	1	20.0	ND	102	74-126%	---	---	
1,2-Dibromo-3-chloropropane	18.8	2.50	5.00	ug/L	1	20.0	ND	94	62-128%	---	---	
1,2-Dibromoethane (EDB)	21.0	0.250	0.500	ug/L	1	20.0	ND	105	77-121%	---	---	
Dibromomethane	23.3	0.500	1.00	ug/L	1	20.0	ND	116	79-123%	---	---	
1,2-Dichlorobenzene	21.4	0.250	0.500	ug/L	1	20.0	ND	107	80-120%	---	---	
1,3-Dichlorobenzene	20.6	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
1,4-Dichlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	79-120%	---	---	
Dichlorodifluoromethane	25.2	0.500	1.00	ug/L	1	20.0	ND	126	32-152%	---	---	
1,1-Dichloroethane	21.3	0.200	0.400	ug/L	1	20.0	ND	106	77-125%	---	---	
1,2-Dichloroethane (EDC)	22.2	0.200	0.400	ug/L	1	20.0	ND	111	73-128%	---	---	
1,1-Dichloroethene	21.3	0.200	0.400	ug/L	1	20.0	ND	107	71-131%	---	---	
cis-1,2-Dichloroethene	39.3	0.200	0.400	ug/L	1	20.0	17.3	110	78-123%	---	---	
trans-1,2-Dichloroethene	21.7	0.200	0.400	ug/L	1	20.0	ND	109	75-124%	---	---	
1,2-Dichloropropane	20.4	0.250	0.500	ug/L	1	20.0	ND	102	78-122%	---	---	
1,3-Dichloropropane	19.3	0.500	1.00	ug/L	1	20.0	ND	97	80-120%	---	---	
2,2-Dichloropropane	20.2	0.500	1.00	ug/L	1	20.0	ND	101	60-139%	---	---	
1,1-Dichloropropene	22.7	0.500	1.00	ug/L	1	20.0	ND	113	79-125%	---	---	
cis-1,3-Dichloropropene	17.4	0.500	1.00	ug/L	1	20.0	ND	87	75-124%	---	---	
trans-1,3-Dichloropropene	20.4	0.500	1.00	ug/L	1	20.0	ND	102	73-127%	---	---	
Ethylbenzene	20.6	0.250	0.500	ug/L	1	20.0	ND	103	79-121%	---	---	
Hexachlorobutadiene	27.4	2.50	5.00	ug/L	1	20.0	ND	**137**	**66-134%**	---	---	Q-54b
2-Hexanone	37.1	5.00	10.0	ug/L	1	40.0	ND	93	57-139%	---	---	
Isopropylbenzene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	72-131%	---	---	
4-Isopropyltoluene	20.6	0.500	1.00	ug/L	1	20.0	ND	103	77-127%	---	---	
Methylene chloride	21.8	5.00	10.0	ug/L	1	20.0	ND	109	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	35.9	5.00	10.0	ug/L	1	40.0	ND	90	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	17.8	0.500	1.00	ug/L	1	20.0	ND	89	71-124%	---	---	
Naphthalene	17.6	1.00	2.00	ug/L	1	20.0	ND	88	61-128%	---	---	
n-Propylbenzene	18.5	0.250	0.500	ug/L	1	20.0	ND	92	76-126%	---	---	
Styrene	22.3	0.500	1.00	ug/L	1	20.0	ND	112	78-123%	---	---	
1,1,1,2-Tetrachloroethane	22.5	0.200	0.400	ug/L	1	20.0	ND	113	78-124%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1031194 - EPA 5030B							**Water**					
Matrix Spike (1031194-MS1)			Prepared: 03/31/21 10:00		Analyzed: 03/31/21 15:27							
QC Source Sample: Non-SDG (A1C1160-06)												
1,1,2,2-Tetrachloroethane	18.7	0.250	0.500	ug/L	1	20.0	ND	94	71-121%	---	---	
Tetrachloroethene (PCE)	84.3	0.200	0.400	ug/L	1	20.0	62.6	108	74-129%	---	---	
Toluene	19.1	0.250	0.500	ug/L	1	20.0	ND	95	80-121%	---	---	
1,2,3-Trichlorobenzene	24.7	1.00	2.00	ug/L	1	20.0	ND	123	69-129%	---	---	
1,2,4-Trichlorobenzene	22.0	1.00	2.00	ug/L	1	20.0	ND	110	69-130%	---	---	
1,1,1-Trichloroethane	22.5	0.200	0.400	ug/L	1	20.0	ND	113	74-131%	---	---	
1,1,2-Trichloroethane	21.4	0.250	0.500	ug/L	1	20.0	ND	107	80-120%	---	---	
Trichloroethene (TCE)	38.4	0.200	0.400	ug/L	1	20.0	14.5	119	79-123%	---	---	
Trichlorofluoromethane	28.1	1.00	2.00	ug/L	1	20.0	ND	140	65-141%	---	---	Q-54
1,2,3-Trichloropropane	18.7	0.500	1.00	ug/L	1	20.0	ND	93	73-122%	---	---	
1,2,4-Trimethylbenzene	19.0	0.500	1.00	ug/L	1	20.0	ND	95	76-124%	---	---	
1,3,5-Trimethylbenzene	19.0	0.500	1.00	ug/L	1	20.0	ND	95	75-124%	---	---	
Vinyl chloride	22.9	0.200	0.400	ug/L	1	20.0	0.430	112	58-137%	---	---	
m,p-Xylene	42.0	0.500	1.00	ug/L	1	40.0	ND	105	80-121%	---	---	
o-Xylene	19.7	0.250	0.500	ug/L	1	20.0	ND	98	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 110 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*91 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040059 - EPA 5030B							Water					
Blank (1040059-BLK1)			Prepared: 04/02/21 09:00 Analyzed: 04/02/21 12:48									
EPA 8260D SIM												
Benzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 109 %*			*Limits: 80-120 %*			*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*			*80-120 %*			*"*			
4-Bromofluorobenzene (Surr)			*94 %*			*80-120 %*			*"*			
LCS (1040059-BS1)			Prepared: 04/02/21 09:00 Analyzed: 04/02/21 12:14									
EPA 8260D SIM												
Benzene	0.215	0.0500	0.100	ug/L	1	0.200	---	108	80-120%	---	---	
Toluene	0.190	0.0500	0.100	ug/L	1	0.200	---	95	80-120%	---	---	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040059 - EPA 5030B							**Water**					
LCS (1040059-BS1)			Prepared: 04/02/21 09:00 Analyzed: 04/02/21 12:14									
Ethylbenzene	0.172	0.0500	0.100	ug/L	1	0.200	---	86	80-120%	---	---	
m,p-Xylene	0.342	0.100	0.200	ug/L	1	0.400	---	86	80-120%	---	---	
o-Xylene	0.173	0.0500	0.100	ug/L	1	0.200	---	86	80-120%	---	---	
1,2,4-Trimethylbenzene	0.174	0.0500	0.100	ug/L	1	0.200	---	87	80-120%	---	---	
1,3,5-Trimethylbenzene	0.177	0.0500	0.100	ug/L	1	0.200	---	89	80-120%	---	---	
Chloroform	0.208	0.0500	0.100	ug/L	1	0.200	---	104	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.191	0.100	0.200	ug/L	1	0.200	---	96	80-120%	---	---	J
1,2-Dibromoethane (EDB)	0.192	0.0100	0.0200	ug/L	1	0.200	---	96	80-120%	---	---	
1,1-Dichloroethane	0.220	0.0100	0.0200	ug/L	1	0.200	---	110	80-120%	---	---	
1,2-Dichloroethane (EDC)	0.225	0.0100	0.0200	ug/L	1	0.200	---	112	80-120%	---	---	
1,1-Dichloroethene	0.188	0.0100	0.0200	ug/L	1	0.200	---	94	80-120%	---	---	
cis-1,2-Dichloroethene	0.203	0.0100	0.0200	ug/L	1	0.200	---	101	80-120%	---	---	
trans-1,2-Dichloroethene	0.217	0.0100	0.0200	ug/L	1	0.200	---	108	80-120%	---	---	
1,2-Dichloropropane	0.226	0.0100	0.0200	ug/L	1	0.200	---	113	80-120%	---	---	
cis-1,3-Dichloropropene	0.189	0.0100	0.0200	ug/L	1	0.200	---	95	80-120%	---	---	
trans-1,3-Dichloropropene	0.192	0.0100	0.0200	ug/L	1	0.200	---	96	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	0.189	0.0100	0.0200	ug/L	1	0.200	---	95	80-120%	---	---	
1,1,2,2-Tetrachloroethane	0.206	0.0100	0.0200	ug/L	1	0.200	---	103	80-120%	---	---	
Tetrachloroethene (PCE)	0.198	0.0100	0.0200	ug/L	1	0.200	---	99	80-120%	---	---	
1,1,2-Trichloroethane	0.189	0.0100	0.0200	ug/L	1	0.200	---	95	80-120%	---	---	
Trichloroethene (TCE)	0.210	0.0100	0.0200	ug/L	1	0.200	---	105	80-120%	---	---	
1,2,3-Trichloropropane	0.204	0.0500	0.100	ug/L	1	0.200	---	102	80-120%	---	---	
Vinyl chloride	0.234	0.0100	0.0200	ug/L	1	0.200	---	117	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*93 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*				*"*			
Duplicate (1040059-DUP1)			Prepared: 04/02/21 12:37 Analyzed: 04/02/21 16:23									
QC Source Sample: Non-SDG (A1C0919-03)												
Benzene	**334**	1.25	2.50	ug/L	25	---	334	---	---	0.2	30%	E
Toluene	**9.17**	1.25	2.50	ug/L	25	---	9.19	---	---	0.3	30%	
Ethylbenzene	**47.5**	1.25	2.50	ug/L	25	---	46.3	---	---	3	30%	
m,p-Xylene	**30.2**	2.50	5.00	ug/L	25	---	29.4	---	---	2	30%	
o-Xylene	**18.9**	1.25	2.50	ug/L	25	---	18.6	---	---	1	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040059 - EPA 5030B							**Water**					
Duplicate (1040059-DUP1)			Prepared: 04/02/21 12:37 Analyzed: 04/02/21 16:23									
QC Source Sample: Non-SDG (A1C0919-03)												
1,2,4-Trimethylbenzene	**9.43**	1.25	2.50	ug/L	25	---	9.24	---	---	2	30%	
1,3,5-Trimethylbenzene	**2.88**	1.25	2.50	ug/L	25	---	2.82	---	---	2	30%	
Chloroform	ND	1.25	2.50	ug/L	25	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	25	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	1.25	2.50	ug/L	25	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.250	0.500	ug/L	25	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*94 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*92 %*		*80-120 %*			*"*				
Matrix Spike (1040059-MS1)			Prepared: 04/02/21 12:37 Analyzed: 04/02/21 16:50									
QC Source Sample: Non-SDG (A1C0919-03)												
EPA 8260D SIM												
Benzene	338	1.25	2.50	ug/L	25	5.00	334	95	79-120%	---	---	
Toluene	13.4	1.25	2.50	ug/L	25	5.00	9.19	84	80-121%	---	---	
Ethylbenzene	52.1	1.25	2.50	ug/L	25	5.00	46.3	117	79-121%	---	---	
m,p-Xylene	38.8	2.50	5.00	ug/L	25	10.0	29.4	94	80-121%	---	---	
o-Xylene	23.1	1.25	2.50	ug/L	25	5.00	18.6	90	78-122%	---	---	
1,2,4-Trimethylbenzene	13.8	1.25	2.50	ug/L	25	5.00	9.24	90	76-124%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040059 - EPA 5030B							**Water**					
Matrix Spike (1040059-MS1)			Prepared: 04/02/21 12:37 Analyzed: 04/02/21 16:50									
QC Source Sample: Non-SDG (A1C0919-03)												
1,3,5-Trimethylbenzene	7.31	1.25	2.50	ug/L	25	5.00	2.82	90	75-124%	---	---	
Chloroform	5.11	1.25	2.50	ug/L	25	5.00	ND	102	79-124%	---	---	
1,2-Dibromo-3-chloropropane	4.40	2.50	5.00	ug/L	25	5.00	ND	88	62-128%	---	---	J
1,2-Dibromoethane (EDB)	4.56	0.250	0.500	ug/L	25	5.00	ND	91	77-121%	---	---	
1,1-Dichloroethane	5.43	0.250	0.500	ug/L	25	5.00	ND	109	77-125%	---	---	
1,2-Dichloroethane (EDC)	5.57	0.250	0.500	ug/L	25	5.00	ND	111	73-128%	---	---	
1,1-Dichloroethene	4.96	0.250	0.500	ug/L	25	5.00	ND	99	71-131%	---	---	
cis-1,2-Dichloroethene	5.02	0.250	0.500	ug/L	25	5.00	ND	100	78-123%	---	---	
trans-1,2-Dichloroethene	5.31	0.250	0.500	ug/L	25	5.00	ND	106	75-124%	---	---	
1,2-Dichloropropane	5.47	0.250	0.500	ug/L	25	5.00	ND	109	78-122%	---	---	
cis-1,3-Dichloropropene	4.39	0.250	0.500	ug/L	25	5.00	ND	88	75-124%	---	---	
trans-1,3-Dichloropropene	4.58	0.250	0.500	ug/L	25	5.00	ND	92	73-127%	---	---	
Methyl tert-butyl ether (MTBE)	4.46	0.250	0.500	ug/L	25	5.00	ND	89	71-124%	---	---	
1,1,2,2-Tetrachloroethane	4.76	0.250	0.500	ug/L	25	5.00	ND	95	71-121%	---	---	
Tetrachloroethene (PCE)	4.90	0.250	0.500	ug/L	25	5.00	ND	98	74-129%	---	---	
1,1,2-Trichloroethane	4.41	0.250	0.500	ug/L	25	5.00	ND	88	80-120%	---	---	
Trichloroethene (TCE)	5.20	0.250	0.500	ug/L	25	5.00	ND	104	79-123%	---	---	
1,2,3-Trichloropropane	4.93	1.25	2.50	ug/L	25	5.00	ND	99	73-122%	---	---	
Vinyl chloride	6.25	0.250	0.500	ug/L	25	5.00	ND	125	58-137%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*91 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*92 %*		*80-120 %*				*"*			
Matrix Spike Dup (1040059-MSD1)			Prepared: 04/02/21 12:37 Analyzed: 04/02/21 17:17									
QC Source Sample: Non-SDG (A1C0919-03)												
Benzene	338	1.25	2.50	ug/L	25	5.00	334	85	79-120%	0.1	30%	
Toluene	13.2	1.25	2.50	ug/L	25	5.00	9.19	80	80-121%	2	30%	
Ethylbenzene	51.5	1.25	2.50	ug/L	25	5.00	46.3	104	79-121%	1	30%	
m,p-Xylene	38.6	2.50	5.00	ug/L	25	10.0	29.4	91	80-121%	0.6	30%	
o-Xylene	23.1	1.25	2.50	ug/L	25	5.00	18.6	90	78-122%	0.006	30%	
1,2,4-Trimethylbenzene	13.6	1.25	2.50	ug/L	25	5.00	9.24	88	76-124%	0.9	30%	
1,3,5-Trimethylbenzene	7.21	1.25	2.50	ug/L	25	5.00	2.82	88	75-124%	1	30%	
Chloroform	5.09	1.25	2.50	ug/L	25	5.00	ND	102	79-124%	0.4	30%	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040059 - EPA 5030B							**Water**					
Matrix Spike Dup (1040059-MSD1)			Prepared: 04/02/21 12:37 Analyzed: 04/02/21 17:17									
QC Source Sample: Non-SDG (A1C0919-03)												
1,2-Dibromo-3-chloropropane	4.55	2.50	5.00	ug/L	25	5.00	ND	91	62-128%	3	30%	J
1,2-Dibromoethane (EDB)	4.65	0.250	0.500	ug/L	25	5.00	ND	93	77-121%	2	30%	
1,1-Dichloroethane	5.40	0.250	0.500	ug/L	25	5.00	ND	108	77-125%	0.4	30%	
1,2-Dichloroethane (EDC)	5.51	0.250	0.500	ug/L	25	5.00	ND	110	73-128%	1	30%	
1,1-Dichloroethene	4.89	0.250	0.500	ug/L	25	5.00	ND	98	71-131%	1	30%	
cis-1,2-Dichloroethene	5.01	0.250	0.500	ug/L	25	5.00	ND	100	78-123%	0.2	30%	
trans-1,2-Dichloroethene	5.28	0.250	0.500	ug/L	25	5.00	ND	106	75-124%	0.5	30%	
1,2-Dichloropropane	5.50	0.250	0.500	ug/L	25	5.00	ND	110	78-122%	0.5	30%	
cis-1,3-Dichloropropene	4.49	0.250	0.500	ug/L	25	5.00	ND	90	75-124%	2	30%	
trans-1,3-Dichloropropene	4.47	0.250	0.500	ug/L	25	5.00	ND	89	73-127%	2	30%	
Methyl tert-butyl ether (MTBE)	4.56	0.250	0.500	ug/L	25	5.00	ND	91	71-124%	2	30%	
1,1,2,2-Tetrachloroethane	5.00	0.250	0.500	ug/L	25	5.00	ND	100	71-121%	5	30%	
Tetrachloroethene (PCE)	4.73	0.250	0.500	ug/L	25	5.00	ND	95	74-129%	4	30%	
1,1,2-Trichloroethane	4.48	0.250	0.500	ug/L	25	5.00	ND	90	80-120%	1	30%	
Trichloroethene (TCE)	5.15	0.250	0.500	ug/L	25	5.00	ND	103	79-123%	1	30%	
1,2,3-Trichloropropane	4.96	1.25	2.50	ug/L	25	5.00	ND	99	73-122%	0.7	30%	
Vinyl chloride	6.02	0.250	0.500	ug/L	25	5.00	ND	120	58-137%	4	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*92 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*92 %*		*80-120 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040065 - EPA 3510C (Neutral pH)							Water					
Blank (1040065-BLK1)			Prepared: 04/02/21 10:31		Analyzed: 04/05/21 08:26							C-07
EPA 8082A												
Aroclor 1016	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 99 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS (1040065-BS1)			Prepared: 04/02/21 10:31		Analyzed: 04/05/21 08:43							C-07
EPA 8082A												
Aroclor 1016	1.63	0.0200	0.0400	ug/L	1	2.50	---	65	46-129%	---	---	
Aroclor 1260	1.91	0.0200	0.0400	ug/L	1	2.50	---	76	45-134%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 98 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS Dup (1040065-BSD1)			Prepared: 04/02/21 10:31		Analyzed: 04/05/21 09:01							C-07, Q-19
EPA 8082A												
Aroclor 1016	1.70	0.0200	0.0400	ug/L	1	2.50	---	68	46-129%	5	30%	
Aroclor 1260	2.02	0.0200	0.0400	ug/L	1	2.50	---	81	45-134%	5	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 96 %*		*Limits: 40-135 %*			*Dilution: 1x*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031212 - EPA 3510C (Acid Extraction)							**Water**					
Blank (1031212-BLK2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 16:48									
EPA 8270E												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
2-Chlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
4-Chloro-3-methylphenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
2,4-Dichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dimethylphenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4-Dinitrophenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
4,6-Dinitro-2-methylphenol	ND	0.227	0.455	ug/L	1	---	---	---	---	---	---	
2-Methylphenol	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
3+4-Methylphenol(s)	ND	0.0227	0.0455	ug/L	1	---	---	---	---	---	---	
2-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
4-Nitrophenol	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Phenol	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
2,3,4,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031212 - EPA 3510C (Acid Extraction)									Water			
Blank (1031212-BLK2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 16:48									
2,3,5,6-Tetrachlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,5-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
2,4,6-Trichlorophenol	ND	0.0455	0.0909	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 96 %*		*Limits: 44-120 %*				*Dilution: 1x*			
2-Fluorobiphenyl (Surr)			*56 %*		*44-120 %*				*"*			
Phenol-d6 (Surr)			*32 %*		*10-133 %*				*"*			
p-Terphenyl-d14 (Surr)			*90 %*		*50-134 %*				*"*			
2-Fluorophenol (Surr)			*47 %*		*19-120 %*				*"*			
2,4,6-Tribromophenol (Surr)			*74 %*		*43-140 %*				*"*			
LCS (1031212-BS2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 17:23									
EPA 8270E												
Acenaphthene	2.24	0.0200	0.0400	ug/L	2	4.00	---	56	47-122%	---	---	
Acenaphthylene	2.60	0.0200	0.0400	ug/L	2	4.00	---	65	41-130%	---	---	
Anthracene	3.28	0.0200	0.0400	ug/L	2	4.00	---	82	57-123%	---	---	
Benz(a)anthracene	3.63	0.0200	0.0400	ug/L	2	4.00	---	91	58-125%	---	---	
Benzo(a)pyrene	3.71	0.0300	0.0600	ug/L	2	4.00	---	93	54-128%	---	---	
Benzo(b)fluoranthene	3.71	0.0300	0.0600	ug/L	2	4.00	---	93	53-131%	---	---	
Benzo(k)fluoranthene	3.56	0.0300	0.0600	ug/L	2	4.00	---	89	57-129%	---	---	
Benzo(g,h,i)perylene	3.73	0.0200	0.0400	ug/L	2	4.00	---	93	50-134%	---	---	
Chrysene	3.35	0.0200	0.0400	ug/L	2	4.00	---	84	59-123%	---	---	
Dibenz(a,h)anthracene	3.42	0.0200	0.0400	ug/L	2	4.00	---	86	51-134%	---	---	
Fluoranthene	3.55	0.0200	0.0400	ug/L	2	4.00	---	89	57-128%	---	---	
Fluorene	2.74	0.0200	0.0400	ug/L	2	4.00	---	69	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	3.37	0.0200	0.0400	ug/L	2	4.00	---	84	52-134%	---	---	
1-Methylnaphthalene	1.65	0.0400	0.0800	ug/L	2	4.00	---	41	41-120%	---	---	
2-Methylnaphthalene	1.60	0.0400	0.0800	ug/L	2	4.00	---	40	40-121%	---	---	
Naphthalene	1.61	0.0400	0.0800	ug/L	2	4.00	---	40	40-121%	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031212 - EPA 3510C (Acid Extraction)							**Water**					
LCS (1031212-BS2)			Prepared: 03/31/21 10:35 Analyzed: 03/31/21 17:23									
Phenanthrene	3.09	0.0200	0.0400	ug/L	2	4.00	---	77	59-120%	---	---	
Pyrene	3.50	0.0200	0.0400	ug/L	2	4.00	---	88	57-126%	---	---	
Carbazole	3.85	0.0300	0.0600	ug/L	2	4.00	---	96	60-122%	---	---	
Dibenzofuran	2.46	0.0200	0.0400	ug/L	2	4.00	---	61	53-120%	---	---	
2-Chlorophenol	3.01	0.100	0.200	ug/L	2	4.00	---	75	38-120%	---	---	
4-Chloro-3-methylphenol	3.12	0.200	0.400	ug/L	2	4.00	---	78	52-120%	---	---	
2,4-Dichlorophenol	2.90	0.100	0.200	ug/L	2	4.00	---	72	47-121%	---	---	
2,4-Dimethylphenol	2.83	0.100	0.200	ug/L	2	4.00	---	71	31-124%	---	---	
2,4-Dinitrophenol	3.04	0.500	1.00	ug/L	2	4.00	---	76	23-143%	---	---	Q-31
4,6-Dinitro-2-methylphenol	2.90	0.500	1.00	ug/L	2	4.00	---	72	44-137%	---	---	
2-Methylphenol	2.89	0.0500	0.100	ug/L	2	4.00	---	72	30-120%	---	---	
3+4-Methylphenol(s)	2.64	0.0500	0.100	ug/L	2	4.00	---	66	29-120%	---	---	
2-Nitrophenol	2.78	0.200	0.400	ug/L	2	4.00	---	70	47-123%	---	---	
4-Nitrophenol	1.30	0.200	0.400	ug/L	2	4.00	---	33	10-120%	---	---	
Pentachlorophenol (PCP)	3.24	0.200	0.400	ug/L	2	4.00	---	81	35-138%	---	---	
Phenol	1.19	0.400	0.800	ug/L	2	4.00	---	30	10-120%	---	---	
2,3,4,6-Tetrachlorophenol	2.92	0.100	0.200	ug/L	2	4.00	---	73	50-128%	---	---	
2,3,5,6-Tetrachlorophenol	3.20	0.100	0.200	ug/L	2	4.00	---	80	50-121%	---	---	
2,4,5-Trichlorophenol	2.97	0.100	0.200	ug/L	2	4.00	---	74	53-123%	---	---	
2,4,6-Trichlorophenol	3.09	0.100	0.200	ug/L	2	4.00	---	77	50-125%	---	---	
Bis(2-ethylhexyl)phthalate	3.74	0.400	0.800	ug/L	2	4.00	---	93	55-135%	---	---	
Butyl benzyl phthalate	4.21	0.400	0.800	ug/L	2	4.00	---	105	53-134%	---	---	
Diethylphthalate	3.45	0.400	0.800	ug/L	2	4.00	---	86	56-125%	---	---	
Dimethylphthalate	3.28	0.400	0.800	ug/L	2	4.00	---	82	45-127%	---	---	
Di-n-butylphthalate	4.06	0.400	0.800	ug/L	2	4.00	---	101	59-127%	---	---	
Di-n-octyl phthalate	4.37	0.400	0.800	ug/L	2	4.00	---	109	51-140%	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 88 %*	*Limits: 44-120 %*	*Dilution: 2x*
2-Fluorobiphenyl (Surr)	*57 %*	*44-120 %*	*"*
Phenol-d6 (Surr)	*31 %*	*10-133 %*	*"*
p-Terphenyl-d14 (Surr)	*87 %*	*50-134 %*	*"*
2-Fluorophenol (Surr)	*44 %*	*19-120 %*	*"*
2,4,6-Tribromophenol (Surr)	*77 %*	*43-140 %*	*"*

LCS Dup (1031212-BSD2) Prepared: 03/31/21 10:35 Analyzed: 03/31/21 17:59 **Q-19**

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031212 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1031212-BSD2)			Prepared: 03/31/21 10:35		Analyzed: 03/31/21 17:59							**Q-19**
EPA 8270E												
Acenaphthene	2.79	0.0200	0.0400	ug/L	2	4.00	---	70	47-122%	22	30%	
Acenaphthylene	3.06	0.0200	0.0400	ug/L	2	4.00	---	77	41-130%	17	30%	
Anthracene	3.25	0.0200	0.0400	ug/L	2	4.00	---	81	57-123%	1	30%	
Benz(a)anthracene	3.55	0.0200	0.0400	ug/L	2	4.00	---	89	58-125%	2	30%	
Benzo(a)pyrene	3.60	0.0300	0.0600	ug/L	2	4.00	---	90	54-128%	3	30%	
Benzo(b)fluoranthene	3.63	0.0300	0.0600	ug/L	2	4.00	---	91	53-131%	2	30%	
Benzo(k)fluoranthene	3.43	0.0300	0.0600	ug/L	2	4.00	---	86	57-129%	4	30%	
Benzo(g,h,i)perylene	3.58	0.0200	0.0400	ug/L	2	4.00	---	90	50-134%	4	30%	
Chrysene	3.25	0.0200	0.0400	ug/L	2	4.00	---	81	59-123%	3	30%	
Dibenz(a,h)anthracene	3.32	0.0200	0.0400	ug/L	2	4.00	---	83	51-134%	3	30%	
Fluoranthene	3.48	0.0200	0.0400	ug/L	2	4.00	---	87	57-128%	2	30%	
Fluorene	3.00	0.0200	0.0400	ug/L	2	4.00	---	75	52-124%	9	30%	
Indeno(1,2,3-cd)pyrene	3.30	0.0200	0.0400	ug/L	2	4.00	---	83	52-134%	2	30%	
1-Methylnaphthalene	2.45	0.0400	0.0800	ug/L	2	4.00	---	61	41-120%	**39**	**30%**	Q-24
2-Methylnaphthalene	2.46	0.0400	0.0800	ug/L	2	4.00	---	62	40-121%	**42**	**30%**	Q-24
Naphthalene	2.38	0.0400	0.0800	ug/L	2	4.00	---	60	40-121%	**39**	**30%**	Q-24
Phenanthrene	3.08	0.0200	0.0400	ug/L	2	4.00	---	77	59-120%	0.3	30%	
Pyrene	3.37	0.0200	0.0400	ug/L	2	4.00	---	84	57-126%	4	30%	
Carbazole	3.76	0.0300	0.0600	ug/L	2	4.00	---	94	60-122%	2	30%	
Dibenzofuran	2.77	0.0200	0.0400	ug/L	2	4.00	---	69	53-120%	12	30%	
2-Chlorophenol	3.07	0.100	0.200	ug/L	2	4.00	---	77	38-120%	2	30%	
4-Chloro-3-methylphenol	3.07	0.200	0.400	ug/L	2	4.00	---	77	52-120%	2	30%	
2,4-Dichlorophenol	2.90	0.100	0.200	ug/L	2	4.00	---	73	47-121%	0.3	30%	
2,4-Dimethylphenol	2.89	0.100	0.200	ug/L	2	4.00	---	72	31-124%	2	30%	
2,4-Dinitrophenol	3.10	0.500	1.00	ug/L	2	4.00	---	77	23-143%	2	30%	Q-31
4,6-Dinitro-2-methylphenol	2.81	0.500	1.00	ug/L	2	4.00	---	70	44-137%	3	30%	
2-Methylphenol	2.88	0.0500	0.100	ug/L	2	4.00	---	72	30-120%	0.5	30%	
3+4-Methylphenol(s)	2.62	0.0500	0.100	ug/L	2	4.00	---	65	29-120%	1	30%	
2-Nitrophenol	2.91	0.200	0.400	ug/L	2	4.00	---	73	47-123%	5	30%	
4-Nitrophenol	1.24	0.200	0.400	ug/L	2	4.00	---	31	10-120%	5	30%	
Pentachlorophenol (PCP)	3.20	0.200	0.400	ug/L	2	4.00	---	80	35-138%	1	30%	
Phenol	1.16	0.400	0.800	ug/L	2	4.00	---	29	10-120%	2	30%	
2,3,4,6-Tetrachlorophenol	2.90	0.100	0.200	ug/L	2	4.00	---	72	50-128%	0.9	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1031212 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1031212-BSD2)			Prepared: 03/31/21 10:35		Analyzed: 03/31/21 17:59							**Q-19**
2,3,5,6-Tetrachlorophenol	3.14	0.100	0.200	ug/L	2	4.00	---	79	50-121%	2	30%	
2,4,5-Trichlorophenol	2.99	0.100	0.200	ug/L	2	4.00	---	75	53-123%	0.5	30%	
2,4,6-Trichlorophenol	3.09	0.100	0.200	ug/L	2	4.00	---	77	50-125%	0.07	30%	
Bis(2-ethylhexyl)phthalate	3.69	0.400	0.800	ug/L	2	4.00	---	92	55-135%	1	30%	
Butyl benzyl phthalate	4.10	0.400	0.800	ug/L	2	4.00	---	103	53-134%	3	30%	
Diethylphthalate	3.33	0.400	0.800	ug/L	2	4.00	---	83	56-125%	4	30%	
Dimethylphthalate	3.17	0.400	0.800	ug/L	2	4.00	---	79	45-127%	3	30%	
Di-n-butylphthalate	3.96	0.400	0.800	ug/L	2	4.00	---	99	59-127%	3	30%	
Di-n-octyl phthalate	4.33	0.400	0.800	ug/L	2	4.00	---	108	51-140%	0.9	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 91 %*		*Limits: 44-120 %*				*Dilution: 2x*			
2-Fluorobiphenyl (Surr)			*63 %*		*44-120 %*				*"*			
Phenol-d6 (Surr)			*30 %*		*10-133 %*				*"*			
p-Terphenyl-d14 (Surr)			*84 %*		*50-134 %*				*"*			
2-Fluorophenol (Surr)			*44 %*		*19-120 %*				*"*			
2,4,6-Tribromophenol (Surr)			*76 %*		*43-140 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040156 - EPA 3015A							**Water**					
Blank (1040156-BLK1)			Prepared: 04/06/21 09:05		Analyzed: 04/06/21 22:43							
EPA 200.8												
Chromium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	ug/L	1	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
LCS (1040156-BS1)			Prepared: 04/06/21 09:05		Analyzed: 04/06/21 22:47							
EPA 200.8												
Chromium	51.1	0.500	1.00	ug/L	1	55.6	---	92	85-115%	---	---	
Mercury	1.06	0.0400	0.0800	ug/L	1	1.11	---	95	85-115%	---	---	
Zinc	54.3	2.00	4.00	ug/L	1	55.6	---	98	85-115%	---	---	
Duplicate (1040156-DUP1)			Prepared: 04/06/21 09:05		Analyzed: 04/06/21 23:05							
QC Source Sample: Non-SDG (A1C1047-20)												
Chromium	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	20%	
Mercury	ND	0.0400	0.0800	ug/L	1	---	ND	---	---	---	20%	
Zinc	**6.49**	2.00	4.00	ug/L	1	---	6.68	---	---	3	20%	
Matrix Spike (1040156-MS1)			Prepared: 04/06/21 09:05		Analyzed: 04/06/21 23:57							
QC Source Sample: SW-2(032821) (A1C1109-02)												
EPA 200.8												
Chromium	51.4	0.500	1.00	ug/L	1	55.6	ND	93	70-130%	---	---	
Mercury	1.06	0.0400	0.0800	ug/L	1	1.11	ND	95	70-130%	---	---	
Zinc	96.7	2.00	4.00	ug/L	1	55.6	41.7	99	70-130%	---	---	
Matrix Spike (1040156-MS2)			Prepared: 04/06/21 09:05		Analyzed: 04/07/21 00:50							
QC Source Sample: Non-SDG (A1C1217-02)												
EPA 200.8												
Chromium	172	5.00	10.0	ug/L	10	55.6	118	97	70-130%	---	---	
Mercury	1.01	0.400	0.800	ug/L	10	1.11	ND	91	70-130%	---	---	
Zinc	64.2	20.0	40.0	ug/L	10	55.6	ND	116	70-130%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

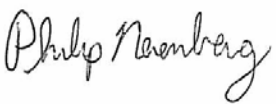
GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040504 - EPA 3015A									Water			
Blank (1040504-BLK1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 15:50							
EPA 200.8-LL												
Arsenic	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.00900	0.0180	ug/L	1	---	---	---	---	---	---	
LCS (1040504-BS1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 15:57							
EPA 200.8-LL												
Arsenic	5.75	0.0500	0.100	ug/L	1	5.56	---	103	85-115%	---	---	
Cadmium	5.72	0.00900	0.0180	ug/L	1	5.56	---	103	85-115%	---	---	
Duplicate (1040504-DUP1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 16:32							
QC Source Sample: SW-1(032821) (A1C1109-01)												
EPA 200.8-LL												
Arsenic	**0.124**	0.0500	0.100	ug/L	1	---	0.143	---	---	15	20%	
Duplicate (1040504-DUP2)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 20:26							
QC Source Sample: SW-1(032821) (A1C1109-01RE1)												
EPA 200.8-LL												
Cadmium	**0.0316**	0.00900	0.0180	ug/L	1	---	0.0379	---	---	18	20%	Q-16
Matrix Spike (1040504-MS1)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 16:39							
QC Source Sample: SW-1(032821) (A1C1109-01)												
EPA 200.8-LL												
Arsenic	6.03	0.0500	0.100	ug/L	1	5.56	0.143	106	70-130%	---	---	
Matrix Spike (1040504-MS2)			Prepared: 04/14/21 15:50		Analyzed: 04/19/21 20:32							
QC Source Sample: SW-1(032821) (A1C1109-01RE1)												
EPA 200.8-LL												
Cadmium	5.53	0.00900	0.0180	ug/L	1	5.56	0.0379	99	70-130%	---	---	Q-16

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040705 - Total Suspended Solids									Water			
Blank (1040705-BLK1)			Prepared: 04/20/21 13:10		Analyzed: 04/22/21 10:49							
SM 2540 D												
Total Suspended Solids	ND	5.00	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (1040705-DUP1)			Prepared: 04/20/21 13:10		Analyzed: 04/22/21 10:49							
QC Source Sample: SW-1(032821) (A1C1109-01)												
SM 2540 D												
Total Suspended Solids	**10.0**	5.00	5.00	mg/L	1	---	8.00	---	---	**22**	**10%**	H-06, Q-05
Reference (1040705-SRM1)			Prepared: 04/20/21 13:10		Analyzed: 04/22/21 10:49							
SM 2540 D												
Total Suspended Solids	962			mg/L	1	951		101	87-116%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040078							
A1C1109-01	Water	NWTPH-Dx	03/28/21 15:55	04/02/21 12:02	1050mL/5mL	1000mL/5mL	0.95
A1C1109-02	Water	NWTPH-Dx	03/28/21 16:00	04/02/21 12:02	1070mL/5mL	1000mL/5mL	0.94
A1C1109-03	Water	NWTPH-Dx	03/28/21 16:05	04/02/21 12:02	1070mL/5mL	1000mL/5mL	0.94

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: 1031194							
A1C1109-01	Water	NWTPH-Gx (MS)	03/28/21 15:55	03/31/21 10:00	5mL/5mL	5mL/5mL	1.00
A1C1109-02	Water	NWTPH-Gx (MS)	03/28/21 16:00	03/31/21 10:00	5mL/5mL	5mL/5mL	1.00
A1C1109-03	Water	NWTPH-Gx (MS)	03/28/21 16:05	03/31/21 10:00	5mL/5mL	5mL/5mL	1.00

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: 1031194							
A1C1109-01	Water	EPA 8260D	03/28/21 15:55	03/31/21 10:00	5mL/5mL	5mL/5mL	1.00
A1C1109-02	Water	EPA 8260D	03/28/21 16:00	03/31/21 10:00	5mL/5mL	5mL/5mL	1.00
A1C1109-03	Water	EPA 8260D	03/28/21 16:05	03/31/21 10:00	5mL/5mL	5mL/5mL	1.00

Volatile Organic Compounds by EPA 8260D SIM

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040059							
A1C1109-01	Water	EPA 8260D SIM	03/28/21 15:55	04/02/21 12:37	5mL/5mL	5mL/5mL	1.00
A1C1109-02	Water	EPA 8260D SIM	03/28/21 16:00	04/02/21 12:37	5mL/5mL	5mL/5mL	1.00
A1C1109-03	Water	EPA 8260D SIM	03/28/21 16:05	04/02/21 12:37	5mL/5mL	5mL/5mL	1.00
A1C1109-04	Water	EPA 8260D SIM	03/28/21 00:00	04/02/21 12:37	5mL/5mL	5mL/5mL	1.00
A1C1109-05	Water	EPA 8260D SIM	03/28/21 00:00	04/02/21 12:37	5mL/5mL	5mL/5mL	1.00
A1C1109-06	Water	EPA 8260D SIM	03/28/21 00:00	04/02/21 12:37	5mL/5mL	5mL/5mL	1.00

Polychlorinated Biphenyls by EPA 8082A

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040065							
A1C1109-01	Water	EPA 8082A	03/28/21 15:55	04/02/21 10:31	1000mL/2mL	1000mL/2mL	1.00
A1C1109-02	Water	EPA 8082A	03/28/21 16:00	04/02/21 10:31	1070mL/2mL	1000mL/2mL	0.94
A1C1109-03	Water	EPA 8082A	03/28/21 16:05	04/02/21 10:31	1070mL/2mL	1000mL/2mL	0.94

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1031212							
A1C1109-01RE2	Water	EPA 8270E	03/28/21 15:55	03/31/21 15:07	980mL/1mL	1000mL/1mL	1.02
A1C1109-02RE1	Water	EPA 8270E	03/28/21 16:00	03/31/21 15:07	1070mL/1mL	1000mL/1mL	0.94
A1C1109-03RE1	Water	EPA 8270E	03/28/21 16:05	03/31/21 15:07	1070mL/1mL	1000mL/1mL	0.94

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040156							
A1C1109-01	Water	EPA 200.8	03/28/21 15:55	04/06/21 09:05	45mL/50mL	45mL/50mL	1.00
A1C1109-02	Water	EPA 200.8	03/28/21 16:00	04/06/21 09:05	45mL/50mL	45mL/50mL	1.00
A1C1109-03	Water	EPA 200.8	03/28/21 16:05	04/06/21 09:05	45mL/50mL	45mL/50mL	1.00

Total Metals by EPA 200.8 (ICPMS) - Low Level

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040504							
A1C1109-01	Water	EPA 200.8-LL	03/28/21 15:55	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C1109-01RE1	Water	EPA 200.8-LL	03/28/21 15:55	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C1109-02	Water	EPA 200.8-LL	03/28/21 16:00	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C1109-02RE3	Water	EPA 200.8-LL	03/28/21 16:00	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C1109-03	Water	EPA 200.8-LL	03/28/21 16:05	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00
A1C1109-03RE1	Water	EPA 200.8-LL	03/28/21 16:05	04/14/21 15:50	45mL/50mL	45mL/50mL	1.00

Solid and Moisture Determinations

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Suspended Solids

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040705							
A1C1109-01	Water	SM 2540 D	03/28/21 15:55	04/20/21 13:10			NA
A1C1109-02	Water	SM 2540 D	03/28/21 16:00	04/20/21 13:10			NA
A1C1109-03	Water	SM 2540 D	03/28/21 16:05	04/20/21 13:10			NA

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

QUALIFIER DEFINITIONS

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

Apex Laboratories

C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
E	Estimated Value. The result is above the calibration range of the instrument.
F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
F-12	The result for this hydrocarbon range is primarily due to the presence of individual analyte peaks in the quantitation range. No fuel pattern detected.
H-06	This sample was received, or the analysis requested, outside the recommended holding time.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-16	Reanalysis of an original Batch QC sample.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-24	The RPD for this spike and spike duplicate is above established control limits. Recoveries for both the spike and spike duplicate are within control limits.
Q-31	Estimated Results. Recovery of Continuing Calibration Verification sample below lower control limit for this analyte. Results are likely biased low.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +15%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +5%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +8%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -2%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -5%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

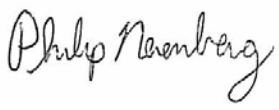
Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

Q-56 Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260

R-04 Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

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.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1C1109 - 04 27 21 1611

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.

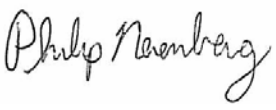
Subcontract Laboratory Accreditations

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



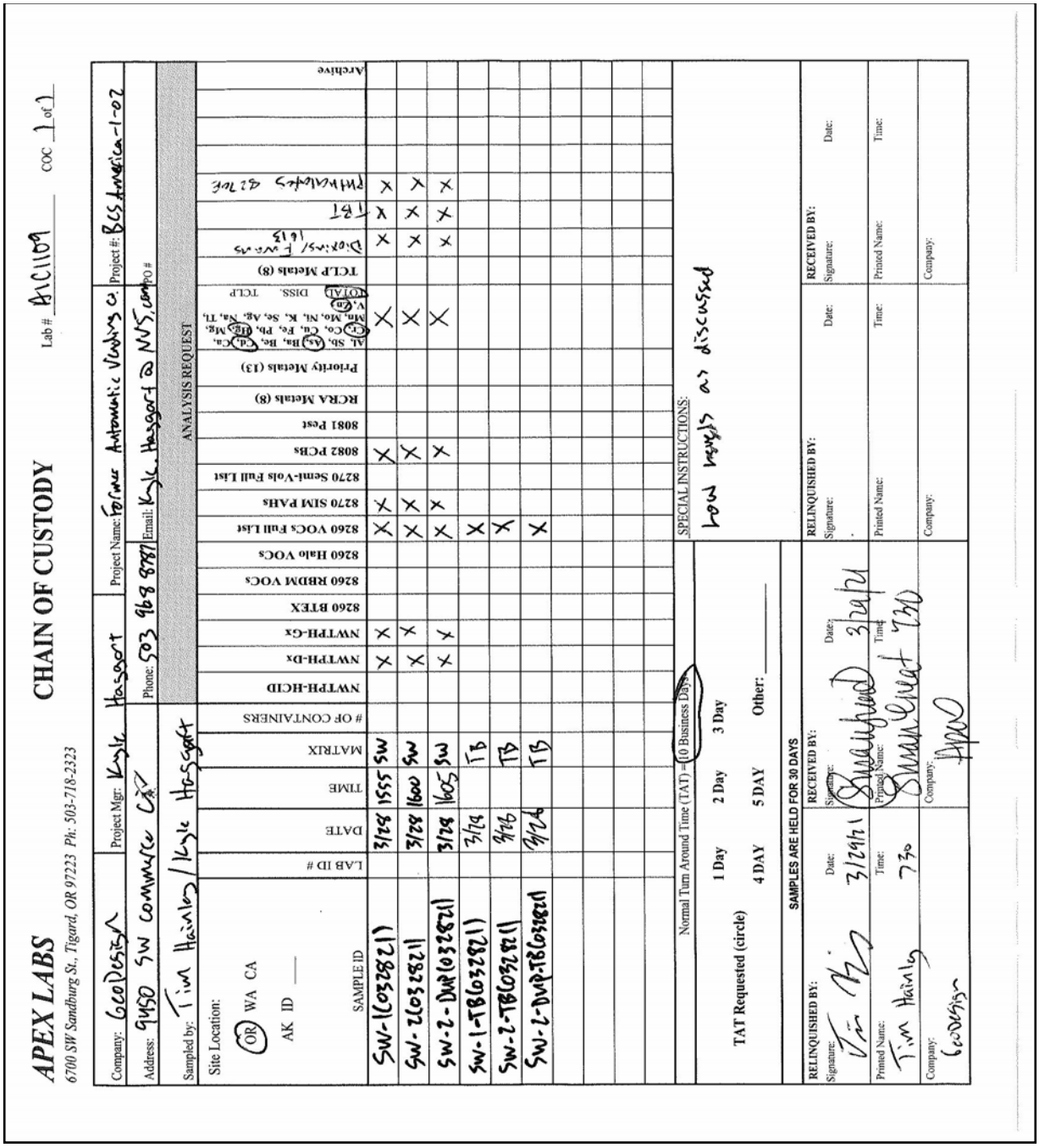
Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**



APEX LABS — CHAIN OF CUSTODY
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323
Lab # A1C1109 COC 1 of 1
Company: GeoDesign Project Mgr: Kyle Haggart Project Name: Former Automatic Vending Co Project #: BCSAmerica-1-02
Address: 9450 SW Commerce Cir Phone: 503 968 8787 Email: Kyle.Haggart@NWS.com PO #
Sampled by: Tim Haines / Kyle Haggart
Site Location: (OR) WA CA AK ID ____
ANALYSIS REQUEST

SAMPLE ID	LAB 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 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	TCLP Metals (8)	Dissolved Lead (6010)	TBT	PAHs Analytes 8270	Archive
SW-1-032821		3/29	1555	SW			X	X				X	X		X				X		X		
SW-2-032821		3/28	1600	SW			X	X				X	X		X				X		X		
SW-2-DUP-032821		3/29	1605	SW			X	X				X	X		X				X		X		
SW-1-TB-032821		3/29		TB								X											
SW-2-TB-032821		3/26		TB								X											
SW-2-DUP-TB-032821		3/26		TB								X											

SPECIAL INSTRUCTIONS: Low levels as discussed

Normal Turn Around Time (TAT) = (10 Business Days)
TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ____
SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 3/29/21	Date: 3/29/21	Date:	Date:
Time: 730	Time: 730	Time:	Time:
Printed Name: Tim Haines	Printed Name:	Printed Name:	Printed Name:
Company: GeoDesign	Company:	Company:	Company:

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1C1109 - 04 27 21 1611**

APEX LABS COOLER RECEIPT FORM

Client: GeoDesign Element WO#: A1 C1109

Project/Project #: Former Automatic Vending Co / BCSAmerica-1-02

Delivery Info:

Date/time received: 3/29/21 @ 730 By: SE

Delivered by: Apex___ Client___ ESS X FedEx___ UPS___ Swift___ Senvoy___ SDS___ Other___

Cooler Inspection Date/time inspected: 3/29/21 @ 739 By: SE

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

Signed/dated by client? Yes Y No ___

Signed/dated by Apex? Yes Y No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	3.9	2.6	0.1				
Received on ice? (Y/N)	Y	Y	Y				
Temp. blanks? (Y/N)	Y	Y	Y				
Ice type: (Gel/Real/Other)	gel	gel	gel				
Condition:	good	good	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: 3/29/21 @ 1700 By: AVK

All samples intact? Yes X No ___ Comments:

Bottle labels/COCs agree? Yes X No ___ Comments: TBs #2703

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 X No ___ NA ___

Comments SW-1 '15 HS

Water samples: pH checked: Yes X No___ NA___ pH appropriate? Yes X No___ NA___

Comments:

Additional information:

Labeled by: AVK Witness: Cooler Inspected by: AVK

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-55215-1
Client Project/Site: A1C1109

For:
Apex Laboratories LLC
6700 SW Sandburg St.
Tigard, Oregon 97223

Attn: Philip Nerenberg

Authorized for release by:
4/13/2021 8:56:37 AM

Lori Thompson, Project Manager I
(714)895-5494
Lori.Thompson@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 16

Definitions/Glossary

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-55215-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-55215-1

Comments
No additional comments.

Receipt
The samples were received on 3/30/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS Semi VOA
Method Organotins SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-140408 and analytical batch 570-142552 recovered outside control limits for the following analytes: Tetrabutyltin and Monobutyltin. Both percent recoveries were within passing QC limits.

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

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

Detection Summary

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

Client Sample ID: SW-1(032821) — Lab Sample ID: 570-55215-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Monobutyltin	61	*1	2.7	2.2	ng/L	1		Organotins SIM	Total/NA

Client Sample ID: SW-2(032821) — Lab Sample ID: 570-55215-2

No Detections.

Client Sample ID: SW-2-DUP(032821) — Lab Sample ID: 570-55215-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method: Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: SW-1(032821)
Date Collected: 03/28/21 15:55
Date Received: 03/30/21 10:00

Lab Sample ID: 570-55215-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND	*1	2.7	1.8	ng/L		04/01/21 20:34	04/12/21 14:35	1
Tributyltin	ND		2.7	1.2	ng/L		04/01/21 20:34	04/12/21 14:35	1
Dibutyltin	ND		2.7	1.6	ng/L		04/01/21 20:34	04/12/21 14:35	1
Monobutyltin	**61**	***1**	2.7	2.2	ng/L		04/01/21 20:34	04/12/21 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*43*		*10 - 120*	*04/01/21 20:34*	*04/12/21 14:35*	*1*

Client Sample ID: SW-2(032821)
Date Collected: 03/28/21 16:00
Date Received: 03/30/21 10:00

Lab Sample ID: 570-55215-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND	*1	2.5	1.6	ng/L		04/01/21 20:34	04/12/21 14:53	1
Tributyltin	ND		2.5	1.1	ng/L		04/01/21 20:34	04/12/21 14:53	1
Dibutyltin	ND		2.5	1.5	ng/L		04/01/21 20:34	04/12/21 14:53	1
Monobutyltin	ND	*1	2.5	1.9	ng/L		04/01/21 20:34	04/12/21 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*52*		*10 - 120*	*04/01/21 20:34*	*04/12/21 14:53*	*1*

Client Sample ID: SW-2-DUP(032821)
Date Collected: 03/28/21 16:05
Date Received: 03/30/21 10:00

Lab Sample ID: 570-55215-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND	*1	2.4	1.6	ng/L		04/01/21 20:34	04/12/21 15:11	1
Tributyltin	ND		2.4	1.1	ng/L		04/01/21 20:34	04/12/21 15:11	1
Dibutyltin	ND		2.4	1.4	ng/L		04/01/21 20:34	04/12/21 15:11	1
Monobutyltin	ND	*1	2.4	1.9	ng/L		04/01/21 20:34	04/12/21 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*53*		*10 - 120*	*04/01/21 20:34*	*04/12/21 15:11*	*1*

Surrogate Summary

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	TPTT (10-120)
570-55215-1	SW-1(032821)	43
570-55215-2	SW-2(032821)	52
570-55215-3	SW-2-DUP(032821)	53
LCS 570-140408/2-A	Lab Control Sample	50
LCSD 570-140408/3-A	Lab Control Sample Dup	52
MB 570-140408/1-A	Method Blank	47

Surrogate Legend

TPTT = Tripentyltin

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-140408/1-A
Matrix: Water
Analysis Batch: 142552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 140408

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.0	1.9	ng/L		04/01/21 20:34	04/12/21 13:40	1
Tributyltin	ND		3.0	1.4	ng/L		04/01/21 20:34	04/12/21 13:40	1
Dibutyltin	ND		3.0	1.8	ng/L		04/01/21 20:34	04/12/21 13:40	1
Monobutyltin	ND		3.0	2.4	ng/L		04/01/21 20:34	04/12/21 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*47*		*10 - 120*	*04/01/21 20:34*	*04/12/21 13:40*	*1*

Lab Sample ID: LCS 570-140408/2-A
Matrix: Water
Analysis Batch: 142552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 140408

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrabutyltin			200	123.4		ng/L		62	21 - 124		
Tributyltin			200	95.26		ng/L		48	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*50*		*10 - 120*

Lab Sample ID: LCSD 570-140408/3-A
Matrix: Water
Analysis Batch: 142552

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 140408

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrabutyltin			200	172.5	*1	ng/L		86	21 - 124	33	30
Tributyltin			200	122.4		ng/L		61	10 - 120	25	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*52*		*10 - 120*

QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

GC/MS Semi VOA

Prep Batch: 140408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55215-1	SW-1(032821)	Total/NA	Water	Organotin	
570-55215-2	SW-2(032821)	Total/NA	Water	Organotin	
570-55215-3	SW-2-DUP(032821)	Total/NA	Water	Organotin	
MB 570-140408/1-A	Method Blank	Total/NA	Water	Organotin	
LCS 570-140408/2-A	Lab Control Sample	Total/NA	Water	Organotin	
LCSD 570-140408/3-A	Lab Control Sample Dup	Total/NA	Water	Organotin	

Analysis Batch: 142552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-55215-1	SW-1(032821)	Total/NA	Water	Organotins SIM	140408
570-55215-2	SW-2(032821)	Total/NA	Water	Organotins SIM	140408
570-55215-3	SW-2-DUP(032821)	Total/NA	Water	Organotins SIM	140408
MB 570-140408/1-A	Method Blank	Total/NA	Water	Organotins SIM	140408
LCS 570-140408/2-A	Lab Control Sample	Total/NA	Water	Organotins SIM	140408
LCSD 570-140408/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins SIM	140408

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

Client Sample ID: SW-1(032821)

Lab Sample ID: 570-55215-1

Date Collected: 03/28/21 15:55

Matrix: Water

Date Received: 03/30/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1092.9 mL	1 mL	140408	04/01/21 20:34	OM8W	ECL 1
Total/NA	Analysis	Organotins SIM		1			142552	04/12/21 14:35	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: SW-2(032821)

Lab Sample ID: 570-55215-2

Date Collected: 03/28/21 16:00

Matrix: Water

Date Received: 03/30/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1220 mL	1 mL	140408	04/01/21 20:34	OM8W	ECL 1
Total/NA	Analysis	Organotins SIM		1			142552	04/12/21 14:53	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: SW-2-DUP(032821)

Lab Sample ID: 570-55215-3

Date Collected: 03/28/21 16:05

Matrix: Water

Date Received: 03/30/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1236.1 mL	1 mL	140408	04/01/21 20:34	OM8W	ECL 1
Total/NA	Analysis	Organotins SIM		1			142552	04/12/21 15:11	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

Laboratory: Eurofins Calscience LLC

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
Organotins SIM	Organotin	Water	Dibutyltin
Organotins SIM	Organotin	Water	Monobutyltin
Organotins SIM	Organotin	Water	Tetrabutyltin
Organotins SIM	Organotin	Water	Tributyltin

Washington	State	C916-18	10-11-21

Method Summary

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	ECL 1
Organotin	Extraction (Organotins)	WRC	ECL 1

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

WRC = WRC Notebook 11431-39, ICI America's Western Research Center May, 1989.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Apex Laboratories LLC
Project/Site: A1C1109

Job ID: 570-55215-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-55215-1	SW-1(032821)	Water	03/28/21 15:55	03/30/21 10:00	
570-55215-2	SW-2(032821)	Water	03/28/21 16:00	03/30/21 10:00	
570-55215-3	SW-2-DUP(032821)	Water	03/28/21 16:05	03/30/21 10:00	

55215

SUBCONTRACT ORDER

Apex Laboratories

A1C1109

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Eurofins_CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone :(714) 895-5494
Fax: (714) 894-7501

Sample Name: SW-1(032821) **Water** **Sampled: 03/28/21 15:55** (A1C1109-01)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	04/09/21 17:00	04/11/21 15:55	
Containers Supplied:			
(O) 1 L Amber Glass - Non Preserved			
(P) 1 L Amber Glass - Non Preserved			

Sample Name: SW-2(032821) **Water** **Sampled: 03/28/21 16:00** (A1C1109-02)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	04/09/21 17:00	04/11/21 16:00	
Containers Supplied:			
(O) 1 L Amber Glass - Non Preserved			
(P) 1 L Amber Glass - Non Preserved			

Sample Name: SW-2-DUP(032821) **Water** **Sampled: 03/28/21 16:05** (A1C1109-03)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	04/09/21 17:00	04/11/21 16:05	
Containers Supplied:			
(O) 1 L Amber Glass - Non Preserved			
(P) 1 L Amber Glass - Non Preserved			

Standard TAT

570-55215 Chain of Custody

Released By	Date	Received By	Date
	3/29/21	Fed Ex (Shipper)	
Fed Ex (Shipper)			
Released By	Date	Received By	Date
		@	3/30/21 10:00

4-7/3-6 566

5/12/25

570-55215 Waybill

ORIGIN ID:BNOA
SAMPLE CONTROL
APEX LABS
6700 SW SANDBURG ST
TIGARD, OR 97223
UNITED STATES US

(503) 718-2323

SHIP DATE: 29MAR21
ACTWGT: 45.00 LB
CAD: 4716258/INET4340

BILL SENDER

TO DANIELLE GONSMAN
CAL$CIENCE
7440 LINCOLN WAY
GARDEN GROVE CA 92841
(714) 895-5494

REF
INV
PO:
DEPT

560J26EF2/FE4A

FedEx Express

TUE - 30 MAR 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7732 9715 2047

92841
CA-US SNA

WZ APVA

https://www.fedex.com/shipping/html/en/PrintIFrame.html

Login Sample Receipt Checklist

Client: Apex Laboratories LLC

Job Number: 570-55215-1

Login Number: 55215
List Number: 1
Creator: Ramos, Maribel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421
www.capefearanalytical.com

April 19, 2021

Mr. Philip Nerenberg
Apex Laboratories
6700 SW Sandburg Street
Portland, Oregon 97223

Re: DXN & PCB Subcontract
Work Order: 17927
SDG: A1C1109

Dear Mr. Nerenberg:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 31, 2021. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421.

Sincerely,

Alexis Finks for
Cynde Larkins
Project Manager

Enclosures

problem solved

CFA WO #17927

SUBCONTRACT ORDER

Apex Laboratories

AB 3/29/21 **A1C1109**

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Cape Fear Analytical, LLC
3306 Kitty Hawk Rd Suite 120
Wilmington, NC 28405
Phone :(910) 795-0421
Fax: -

Sample Name: SW-1(032821) **Water** **Sampled: 03/28/21 15:55** (A1C1109-01)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	04/09/21 17:00	03/28/22 15:55	
Containers Supplied:			
(M)1 L Amber Glass - Non Preserved			
(N)1 L Amber Glass - Non Preserved			

Sample Name: SW-2(032821) **Water** **Sampled: 03/28/21 16:00** (A1C1109-02)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	04/09/21 17:00	03/28/22 16:00	
Containers Supplied:			
(M)1 L Amber Glass - Non Preserved			
(N)1 L Amber Glass - Non Preserved			

Sample Name: SW-2-DUP(032821) **Water** **Sampled: 03/28/21 16:05** (A1C1109-03)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	04/09/21 17:00	03/28/22 16:05	
Containers Supplied:			
(M)1 L Amber Glass - Non Preserved			
(N)1 L Amber Glass - Non Preserved			

Standard

Released By	Date	Received By	Date
	3/29/21	Fed Ex (Shipper)	
Fed Ex (Shipper)			
Released By	Date	Received By	Date
			3/31/21 1150

SAMPLE RECEIPT CHECKLIST

Cape Fear Analytical

Client: Apex	Work Order: 17927
Shipping Company: FedEx	Date/Time Received: 3/31/21 11:50

Suspected Hazard Information	Yes	NA	No
Shipped as DOT Hazardous?			✓
Samples identified as Foreign Soil?			✓

DOE Site Sample Packages	Yes	NA	No*
Screened <0.5 mR/hr?		✓	
Samples < 2x background?		✓	

* Notify RSO of any responses in this column immediately.

Air Sample Receipt Specifics	Yes	NA	No
Air sample in shipment?			✓

Air Witness: _____

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other(describe)
2	Custody seal/s present on cooler?			✓	Seal intact? Yes No
3	Chain of Custody documents included with shipment?	✓			
4	Samples requiring cold preservation within 0-6°C?	✓			Preservation Method: ice bags loose ice blue ice dry ice none other (describe) Temperature Blank present: Yes No 3.0 +0.1 = 3.1°
5	Aqueous samples found to have visible solids?	✓			Sample IDs, containers affected: -01, -03 Minimal solids
5	Samples requiring chemical preservation at proper pH?	✓			Sample IDs, containers affected and pH observed: 9/1 - pH=7 If preservative added, Lot#:
7	Samples requiring preservation have no residual chlorine?	✓			Sample IDs, containers affected: If preservative added, Lot#:
8	Samples received within holding time?	✓			Sample IDs, tests affected:
9	Sample IDs on COC match IDs on containers?	✓			Sample IDs, containers affected:
10	Date & time of COC match date & time on containers?	✓			Sample IDs, containers affected:
11	Number of containers received match number indicated on COC?			✓	List type and number of containers / Sample IDs, containers affected: received 2 broken bottles - See below received 4-1L NM amber bottles intact
12	COC form is properly signed in relinquished/received sections?	✓			

Comments:

broken bottles
AIC1109-02N SW-2(032821)
SW-1(032821)

bottles received intact
AIC1109-01N
AIC1109-02M
AIC1109-03M,N

Checklist performed by: Initials: NL Date: 4/1/21

High Resolution Dioxins and Furans Analysis

Case Narrative

HDOX Case Narrative
Apex Laboratories (APEX)
SDG A1C1109
Work Order 17927

Method/Analysis Information

Product:	**Dioxins/Furans by EPA Method 1613B in Liquids**
Analytical Method:	EPA Method 1613B
Extraction Method:	SW846 3520C
Analytical Batch Number:	46590
Clean Up Batch Number:	46588
Extraction Batch Number:	46587

Sample Analysis

Samples were received at 3.1°C. (17927001,17927002,17927003).
The following samples were analyzed using the analytical protocol as established in EPA Method 1613B:

Sample ID	Client ID
12029087	Method Blank (MB)
12029088	Laboratory Control Sample (LCS)
12029089	Laboratory Control Sample Duplicate (LCSD)
17927001	SW-1(032821)
17927002	SW-2(032821)
17927003	SW-2-DUP(032821)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-002 REV# 20.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

Calibration Information

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Certification Statement
The test results presented in this document are certified to meet all requirements of the 2009 TNI Standard.

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery
The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement
The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation
A matrix spike and matrix spike duplicate analysis was not required for this SDG.

Technical Information

Receipt Temperature
Samples were received within temperature requirements.

Holding Time Specifications
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Nonconformance (NCR) Documentation
A NCR was not required for this SDG.

Manual Integrations
Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction. Manual integrations were required for data files in this SDG.

System Configuration

This analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description
HRP763_1	Primary Dioxin Analysis	Dioxin Analysis	DB-5MS	60m x 0.25mm, 0.25um

Sample Data Summary

Cape Fear Analytical, LLC

3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

Qualifier Definition Report
for

APEX001 Apex Laboratories

Client SDG: A1C1109 CFA Work Order: 17927

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for, but not detected above the specified detection limit.

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

Signature: **Name: Erin Suhrie**

Date: 19 APR 2021 **Title: Data Validator**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17927001**	**Date Collected:**	**03/28/2021 15:55**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/31/2021 11:50**		
Client ID:	**SW-1(032821)**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/16/2021 04:09**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-8**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1013.6 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.90	pg/L	1.90	9.87
40321-76-4	1,2,3,7,8-PeCDD	U	1.78	pg/L	1.78	49.3
39227-28-6	1,2,3,4,7,8-HxCDD	U	2.37	pg/L	2.37	49.3
57653-85-7	1,2,3,6,7,8-HxCDD	JK	2.62	pg/L	2.39	49.3
19408-74-3	1,2,3,7,8,9-HxCDD	U	2.41	pg/L	2.41	49.3
35822-46-9	1,2,3,4,6,7,8-HpCDD	J	44.8	pg/L	8.25	49.3
3268-87-9	1,2,3,4,6,7,8,9-OCDD		230	pg/L	11.4	98.7
51207-31-9	2,3,7,8-TCDF	U	1.84	pg/L	1.84	9.87
57117-41-6	1,2,3,7,8-PeCDF	U	1.72	pg/L	1.72	49.3
57117-31-4	2,3,4,7,8-PeCDF	U	1.54	pg/L	1.54	49.3
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.16	pg/L	1.16	49.3
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.16	pg/L	1.16	49.3
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.17	pg/L	1.17	49.3
72918-21-9	1,2,3,7,8,9-HxCDF	U	1.66	pg/L	1.66	49.3
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	2.62	pg/L	1.32	49.3
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	1.88	pg/L	1.88	49.3
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	5.39	pg/L	5.39	98.7
41903-57-5	Total TeCDD	U	1.90	pg/L	1.90	9.87
36088-22-9	Total PeCDD	U	1.78	pg/L	1.78	49.3
34465-46-8	Total HxCDD	JK	18.2	pg/L	2.37	49.3
37871-00-4	Total HpCDD	J	109	pg/L	8.25	49.3
30402-14-3	Total TeCDF	U	1.84	pg/L	1.84	9.87
30402-15-4	Total PeCDF	U	1.24	pg/L	1.24	49.3
55684-94-1	Total HxCDF	JK	1.89	pg/L	1.16	49.3
38998-75-3	Total HpCDF	J	5.64	pg/L	1.32	49.3
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.805	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		3.50	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1550	1970	pg/L	78.5	(25%-164%)
13C-1,2,3,7,8-PeCDD		1480	1970	pg/L	74.9	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1330	1970	pg/L	67.4	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1420	1970	pg/L	72.2	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1410	1970	pg/L	71.3	(23%-140%)
13C-OCDD		2500	3950	pg/L	63.4	(17%-157%)
13C-2,3,7,8-TCDF		1350	1970	pg/L	68.6	(24%-169%)
13C-1,2,3,7,8-PeCDF		1430	1970	pg/L	72.6	(24%-185%)
13C-2,3,4,7,8-PeCDF		1490	1970	pg/L	75.3	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1320	1970	pg/L	67.1	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1420	1970	pg/L	72.1	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1430	1970	pg/L	72.4	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1410	1970	pg/L	71.5	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17927001**	**Date Collected:**	**03/28/2021 15:55**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/31/2021 11:50**		
Client ID:	**SW-1(032821)**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/16/2021 04:09**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-8**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1013.6 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1330	1970	pg/L	67.6	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1370	1970	pg/L	69.3	(26%-138%)
37Cl-2,3,7,8-TCDD		189	197	pg/L	95.9	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17927002**	**Date Collected:**	**03/28/2021 16:00**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/31/2021 11:50**		
Client ID:	**SW-2(032821)**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/16/2021 04:59**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-9**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1044.3 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	2.09	pg/L	2.09	9.58
40321-76-4	1,2,3,7,8-PeCDD	U	2.68	pg/L	2.68	47.9
39227-28-6	1,2,3,4,7,8-HxCDD	U	3.50	pg/L	3.50	47.9
57653-85-7	1,2,3,6,7,8-HxCDD	U	3.37	pg/L	3.37	47.9
19408-74-3	1,2,3,7,8,9-HxCDD	U	3.47	pg/L	3.47	47.9
35822-46-9	1,2,3,4,6,7,8-HpCDD	J	34.6	pg/L	6.36	47.9
3268-87-9	1,2,3,4,6,7,8,9-OCDD		245	pg/L	22.8	95.8
51207-31-9	2,3,7,8-TCDF	U	2.51	pg/L	2.51	9.58
57117-41-6	1,2,3,7,8-PeCDF	U	1.70	pg/L	1.70	47.9
57117-31-4	2,3,4,7,8-PeCDF	U	1.57	pg/L	1.57	47.9
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.40	pg/L	1.40	47.9
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.41	pg/L	1.41	47.9
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.40	pg/L	1.40	47.9
72918-21-9	1,2,3,7,8,9-HxCDF	U	2.28	pg/L	2.28	47.9
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	1.82	pg/L	1.69	47.9
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	3.01	pg/L	3.01	47.9
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	7.41	pg/L	7.41	95.8
41903-57-5	Total TeCDD	U	2.09	pg/L	2.09	9.58
36088-22-9	Total PeCDD	U	2.68	pg/L	2.68	47.9
34465-46-8	Total HxCDD	JK	15.0	pg/L	3.37	47.9
37871-00-4	Total HpCDD	J	91.7	pg/L	6.36	47.9
30402-14-3	Total TeCDF	U	2.51	pg/L	2.51	9.58
30402-15-4	Total PeCDF	U	1.57	pg/L	1.57	47.9
55684-94-1	Total HxCDF	U	1.40	pg/L	1.40	47.9
38998-75-3	Total HpCDF	J	1.82	pg/L	1.69	47.9
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.438	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		4.07	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1330	1920	pg/L	69.3	(25%-164%)
13C-1,2,3,7,8-PeCDD		1180	1920	pg/L	61.7	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1090	1920	pg/L	57.1	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1250	1920	pg/L	65.3	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1120	1920	pg/L	58.5	(23%-140%)
13C-OCDD		1830	3830	pg/L	47.8	(17%-157%)
13C-2,3,7,8-TCDF		1100	1920	pg/L	57.3	(24%-169%)
13C-1,2,3,7,8-PeCDF		1150	1920	pg/L	60.2	(24%-185%)
13C-2,3,4,7,8-PeCDF		1190	1920	pg/L	62.2	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1140	1920	pg/L	59.4	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1210	1920	pg/L	63.1	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1230	1920	pg/L	64.3	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1120	1920	pg/L	58.3	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17927002**	**Date Collected:**	**03/28/2021 16:00**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/31/2021 11:50**		
Client ID:	**SW-2(032821)**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/16/2021 04:59**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-9**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1044.3 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1100	1920	pg/L	57.3	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1080	1920	pg/L	56.2	(26%-138%)
37Cl-2,3,7,8-TCDD		175	192	pg/L	91.4	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17927003**	**Date Collected:**	**03/28/2021 16:05**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/31/2021 11:50**		
Client ID:	**SW-2-DUP(032821)**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/16/2021 05:49**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-10**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1046 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.84	pg/L	1.84	9.56
40321-76-4	1,2,3,7,8-PeCDD	U	2.12	pg/L	2.12	47.8
39227-28-6	1,2,3,4,7,8-HxCDD	U	4.07	pg/L	4.07	47.8
57653-85-7	1,2,3,6,7,8-HxCDD	U	3.82	pg/L	3.82	47.8
19408-74-3	1,2,3,7,8,9-HxCDD	U	3.96	pg/L	3.96	47.8
35822-46-9	1,2,3,4,6,7,8-HpCDD		54.6	pg/L	9.75	47.8
3268-87-9	1,2,3,4,6,7,8,9-OCDD		562	pg/L	17.2	95.6
51207-31-9	2,3,7,8-TCDF	U	1.73	pg/L	1.73	9.56
57117-41-6	1,2,3,7,8-PeCDF	U	1.50	pg/L	1.50	47.8
57117-31-4	2,3,4,7,8-PeCDF	U	1.30	pg/L	1.30	47.8
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.42	pg/L	1.42	47.8
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.38	pg/L	1.38	47.8
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.39	pg/L	1.39	47.8
72918-21-9	1,2,3,7,8,9-HxCDF	U	2.16	pg/L	2.16	47.8
67562-39-4	1,2,3,4,6,7,8-HpCDF	JK	2.45	pg/L	1.80	47.8
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	2.72	pg/L	2.72	47.8
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	5.56	pg/L	5.56	95.6
41903-57-5	Total TeCDD	U	1.84	pg/L	1.84	9.56
36088-22-9	Total PeCDD	U	2.12	pg/L	2.12	47.8
34465-46-8	Total HxCDD	JK	18.5	pg/L	3.82	47.8
37871-00-4	Total HpCDD		119	pg/L	9.75	47.8
30402-14-3	Total TeCDF	U	1.73	pg/L	1.73	9.56
30402-15-4	Total PeCDF	U	1.30	pg/L	1.30	47.8
55684-94-1	Total HxCDF	U	1.38	pg/L	1.38	47.8
38998-75-3	Total HpCDF	JK	6.44	pg/L	1.80	47.8
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.739	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		3.95	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1530	1910	pg/L	79.9	(25%-164%)
13C-1,2,3,7,8-PeCDD		1400	1910	pg/L	73.3	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1210	1910	pg/L	63.2	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1410	1910	pg/L	74.0	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1320	1910	pg/L	68.9	(23%-140%)
13C-OCDD		2300	3820	pg/L	60.2	(17%-157%)
13C-2,3,7,8-TCDF		1280	1910	pg/L	66.9	(24%-169%)
13C-1,2,3,7,8-PeCDF		1360	1910	pg/L	71.1	(24%-185%)
13C-2,3,4,7,8-PeCDF		1420	1910	pg/L	74.2	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1260	1910	pg/L	65.6	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1330	1910	pg/L	69.8	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1380	1910	pg/L	72.3	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1350	1910	pg/L	70.6	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**17927003**	**Date Collected:**	**03/28/2021 16:05**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**03/31/2021 11:50**		
Client ID:	**SW-2-DUP(032821)**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/16/2021 05:49**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-10**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1046 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1250	1910	pg/L	65.1	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1330	1910	pg/L	69.4	(26%-138%)
37Cl-2,3,7,8-TCDD		197	191	pg/L	103	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Quality Control Summary

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1C1109

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12029088	LCS for batch 46587	13C-2,3,7,8-TCDD		84.6	(20%-175%)
		13C-1,2,3,7,8-PeCDD		80.9	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		71.4	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		84.1	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		76.4	(22%-166%)
		13C-OCDD		66.2	(13%-199%)
		13C-2,3,7,8-TCDF		73.1	(22%-152%)
		13C-1,2,3,7,8-PeCDF		77.3	(21%-192%)
		13C-2,3,4,7,8-PeCDF		79.6	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		74.1	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		84.7	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		82.3	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		78.1	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		74.2	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		77.1	(20%-186%)
		37Cl-2,3,7,8-TCDD		99.8	(31%-191%)
12029089	LCSD for batch 46587	13C-2,3,7,8-TCDD		93.9	(20%-175%)
		13C-1,2,3,7,8-PeCDD		87.2	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		71.7	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		80.4	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		74.6	(22%-166%)
		13C-OCDD		62.2	(13%-199%)
		13C-2,3,7,8-TCDF		75.2	(22%-152%)
		13C-1,2,3,7,8-PeCDF		82.6	(21%-192%)
		13C-2,3,4,7,8-PeCDF		86.5	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		71.7	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		79.6	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		78.2	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		77.7	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		71.7	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		73.5	(20%-186%)
		37Cl-2,3,7,8-TCDD		110	(31%-191%)
12029087	MB for batch 46587	13C-2,3,7,8-TCDD		91.5	(25%-164%)
		13C-1,2,3,7,8-PeCDD		82.3	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		69.6	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		81.4	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		73.6	(23%-140%)
		13C-OCDD		62.8	(17%-157%)
		13C-2,3,7,8-TCDF		73.6	(24%-169%)
		13C-1,2,3,7,8-PeCDF		79.7	(24%-185%)
		13C-2,3,4,7,8-PeCDF		81.4	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		73.9	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		78.4	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		77.1	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		78.0	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		68.8	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		74.7	(26%-138%)
		37Cl-2,3,7,8-TCDD		107	(35%-197%)
17927001	SW-1(032821)	13C-2,3,7,8-TCDD		78.5	(25%-164%)

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1C1109

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
17927001	SW-1(032821)	13C-1,2,3,7,8-PeCDD		74.9	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		67.4	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		72.2	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		71.3	(23%-140%)
		13C-OCDD		63.4	(17%-157%)
		13C-2,3,7,8-TCDF		68.6	(24%-169%)
		13C-1,2,3,7,8-PeCDF		72.6	(24%-185%)
		13C-2,3,4,7,8-PeCDF		75.3	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		67.1	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		72.1	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		72.4	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		71.5	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		67.6	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		69.3	(26%-138%)
		37Cl-2,3,7,8-TCDD		95.9	(35%-197%)
17927002	SW-2(032821)	13C-2,3,7,8-TCDD		69.3	(25%-164%)
		13C-1,2,3,7,8-PeCDD		61.7	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		57.1	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		65.3	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		58.5	(23%-140%)
		13C-OCDD		47.8	(17%-157%)
		13C-2,3,7,8-TCDF		57.3	(24%-169%)
		13C-1,2,3,7,8-PeCDF		60.2	(24%-185%)
		13C-2,3,4,7,8-PeCDF		62.2	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		59.4	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		63.1	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		64.3	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		58.3	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		57.3	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		56.2	(26%-138%)
		37Cl-2,3,7,8-TCDD		91.4	(35%-197%)
17927003	SW-2-DUP(032821)	13C-2,3,7,8-TCDD		79.9	(25%-164%)
		13C-1,2,3,7,8-PeCDD		73.3	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		63.2	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		74.0	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		68.9	(23%-140%)
		13C-OCDD		60.2	(17%-157%)
		13C-2,3,7,8-TCDF		66.9	(24%-169%)
		13C-1,2,3,7,8-PeCDF		71.1	(24%-185%)
		13C-2,3,4,7,8-PeCDF		74.2	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		65.6	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		69.8	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		72.3	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		70.6	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		65.1	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		69.4	(26%-138%)
		37Cl-2,3,7,8-TCDD		103	(35%-197%)

* Recovery outside Acceptance Limits

Hi-Res Dioxins/Furans

Surrogate Recovery Report

SDG Number: A1C1109

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: A1C1109 **Sample Type:** Laboratory Control Sample

Client ID: LCS for batch 46587 **Matrix:** WATER

Lab Sample ID: 12029088

Instrument: HRP763 **Analysis Date:** 04/15/2021 22:20 **Dilution:** 1

Analyst: MJC **Prep Batch ID:** 46587

Batch ID: 46590

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits
1746-01-6	LCS	2,3,7,8-TCDD	200	189	94.7	67-158
40321-76-4	LCS	1,2,3,7,8-PeCDD	1000	997	99.7	70-142
39227-28-6	LCS	1,2,3,4,7,8-HxCDD	1000	994	99.4	70-164
57653-85-7	LCS	1,2,3,6,7,8-HxCDD	1000	1000	100	76-134
19408-74-3	LCS	1,2,3,7,8,9-HxCDD	1000	1010	101	64-162
35822-46-9	LCS	1,2,3,4,6,7,8-HpCDD	1000	928	92.8	70-140
3268-87-9	LCS	1,2,3,4,6,7,8,9-OCDD	2000	1900	94.9	78-144
51207-31-9	LCS	2,3,7,8-TCDF	200	202	101	75-158
57117-41-6	LCS	1,2,3,7,8-PeCDF	1000	1020	102	80-134
57117-31-4	LCS	2,3,4,7,8-PeCDF	1000	1010	101	68-160
70648-26-9	LCS	1,2,3,4,7,8-HxCDF	1000	1000	100	72-134
57117-44-9	LCS	1,2,3,6,7,8-HxCDF	1000	1030	103	84-130
60851-34-5	LCS	2,3,4,6,7,8-HxCDF	1000	1000	100	70-156
72918-21-9	LCS	1,2,3,7,8,9-HxCDF	1000	1020	102	78-130
67562-39-4	LCS	1,2,3,4,6,7,8-HpCDF	1000	1010	101	82-122
55673-89-7	LCS	1,2,3,4,7,8,9-HpCDF	1000	960	96	78-138
39001-02-0	LCS	1,2,3,4,6,7,8,9-OCDF	2000	2000	100	63-170

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: A1C1109 **Sample Type:** Laboratory Control Sample Duplicate

Client ID: LCSD for batch 46587 **Matrix:** WATER

Lab Sample ID: 12029089

Instrument: HRP763 **Analysis Date:** 04/15/2021 23:09 **Dilution:** 1

Analyst: MJC **Prep Batch ID:** 46587

Batch ID: 46590

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
1746-01-6	LCSD	2,3,7,8-TCDD	200	180	90.1	67-158	4.99	0-20
40321-76-4	LCSD	1,2,3,7,8-PeCDD	1000	988	98.8	70-142	0.933	0-20
39227-28-6	LCSD	1,2,3,4,7,8-HxCDD	1000	970	97	70-164	2.45	0-20
57653-85-7	LCSD	1,2,3,6,7,8-HxCDD	1000	979	97.9	76-134	2.65	0-20
19408-74-3	LCSD	1,2,3,7,8,9-HxCDD	1000	1010	101	64-162	0.730	0-20
35822-46-9	LCSD	1,2,3,4,6,7,8-HpCDD	1000	959	95.9	70-140	3.24	0-20
3268-87-9	LCSD	1,2,3,4,6,7,8,9-OCDD	2000	1900	95.2	78-144	0.284	0-20
51207-31-9	LCSD	2,3,7,8-TCDF	200	193	96.6	75-158	4.51	0-20
57117-41-6	LCSD	1,2,3,7,8-PeCDF	1000	1010	101	80-134	0.281	0-20
57117-31-4	LCSD	2,3,4,7,8-PeCDF	1000	997	99.7	68-160	1.34	0-20
70648-26-9	LCSD	1,2,3,4,7,8-HxCDF	1000	1010	101	72-134	0.404	0-20
57117-44-9	LCSD	1,2,3,6,7,8-HxCDF	1000	1020	102	84-130	0.891	0-20
60851-34-5	LCSD	2,3,4,6,7,8-HxCDF	1000	1010	101	70-156	1.18	0-20
72918-21-9	LCSD	1,2,3,7,8,9-HxCDF	1000	1020	102	78-130	0.738	0-20
67562-39-4	LCSD	1,2,3,4,6,7,8-HpCDF	1000	992	99.2	82-122	2.20	0-20
55673-89-7	LCSD	1,2,3,4,7,8,9-HpCDF	1000	997	99.7	78-138	3.77	0-20
39001-02-0	LCSD	1,2,3,4,6,7,8,9-OCDF	2000	1980	99.2	63-170	0.999	0-20

Method Blank Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Matrix:**	**WATER**
Client ID:	**MB for batch 46587**	**Instrument ID:**	**HRP763**	**Data File:**	**b14apr21a_4-3**
Lab Sample ID:	**12029087**	**Prep Date:**	**14-APR-21**	**Analyzed:**	**04/15/21 23:59**
Column:					

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 46587	12029088	b14apr21a_4-1	04/15/21	2220
02	LCSD for batch 46587	12029089	b14apr21a_4-2	04/15/21	2309
03	SW-1(032821)	17927001	b14apr21a_4-8	04/16/21	0409
04	SW-2(032821)	17927002	b14apr21a_4-9	04/16/21	0459
05	SW-2-DUP(032821)	17927003	b14apr21a_4-10	04/16/21	0549

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029087**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46587**				
Client ID:	**MB for batch 46587**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/15/2021 23:59**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-3**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.95	pg/L	1.95	10.0
40321-76-4	1,2,3,7,8-PeCDD	U	1.58	pg/L	1.58	50.0
39227-28-6	1,2,3,4,7,8-HxCDD	U	2.42	pg/L	2.42	50.0
57653-85-7	1,2,3,6,7,8-HxCDD	U	2.34	pg/L	2.34	50.0
19408-74-3	1,2,3,7,8,9-HxCDD	U	2.38	pg/L	2.38	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD	U	3.52	pg/L	3.52	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD	U	5.64	pg/L	5.64	100
51207-31-9	2,3,7,8-TCDF	U	2.40	pg/L	2.40	10.0
57117-41-6	1,2,3,7,8-PeCDF	U	1.73	pg/L	1.73	50.0
57117-31-4	2,3,4,7,8-PeCDF	U	1.52	pg/L	1.52	50.0
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.10	pg/L	1.10	50.0
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.09	pg/L	1.09	50.0
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.12	pg/L	1.12	50.0
72918-21-9	1,2,3,7,8,9-HxCDF	U	1.62	pg/L	1.62	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF	U	1.52	pg/L	1.52	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	2.26	pg/L	2.26	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	6.44	pg/L	6.44	100
41903-57-5	Total TeCDD	U	1.95	pg/L	1.95	10.0
36088-22-9	Total PeCDD	U	1.58	pg/L	1.58	50.0
34465-46-8	Total HxCDD	U	2.34	pg/L	2.34	50.0
37871-00-4	Total HpCDD	U	3.52	pg/L	3.52	50.0
30402-14-3	Total TeCDF	U	2.40	pg/L	2.40	10.0
30402-15-4	Total PeCDF	U	1.52	pg/L	1.52	50.0
55684-94-1	Total HxCDF	U	1.09	pg/L	1.09	50.0
38998-75-3	Total HpCDF	U	1.52	pg/L	1.52	50.0
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.000	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		2.78	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1830	2000	pg/L	91.5	(25%-164%)
13C-1,2,3,7,8-PeCDD		1650	2000	pg/L	82.3	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1390	2000	pg/L	69.6	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1630	2000	pg/L	81.4	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1470	2000	pg/L	73.6	(23%-140%)
13C-OCDD		2510	4000	pg/L	62.8	(17%-157%)
13C-2,3,7,8-TCDF		1470	2000	pg/L	73.6	(24%-169%)
13C-1,2,3,7,8-PeCDF		1590	2000	pg/L	79.7	(24%-185%)
13C-2,3,4,7,8-PeCDF		1630	2000	pg/L	81.4	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1480	2000	pg/L	73.9	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1570	2000	pg/L	78.4	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1540	2000	pg/L	77.1	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1560	2000	pg/L	78.0	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029087**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46587**				
Client ID:	**MB for batch 46587**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/15/2021 23:59**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-3**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1380	2000	pg/L	68.8	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1490	2000	pg/L	74.7	(26%-138%)
37Cl-2,3,7,8-TCDD		214	200	pg/L	107	(35%-197%)

Comments:

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029088**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46587**				
Client ID:	**LCS for batch 46587**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/15/2021 22:20**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-1**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		189	pg/L	2.64	10.0
40321-76-4	1,2,3,7,8-PeCDD		997	pg/L	5.48	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		994	pg/L	10.5	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		1000	pg/L	9.56	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		1010	pg/L	10.0	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		928	pg/L	15.4	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1900	pg/L	31.8	100
51207-31-9	2,3,7,8-TCDF		202	pg/L	2.84	10.0
57117-41-6	1,2,3,7,8-PeCDF		1020	pg/L	6.78	50.0
57117-31-4	2,3,4,7,8-PeCDF		1010	pg/L	6.08	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		1000	pg/L	8.84	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		1030	pg/L	8.82	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		1000	pg/L	9.46	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		1020	pg/L	13.5	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		1010	pg/L	11.2	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		960	pg/L	18.4	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		2000	pg/L	27.4	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1690	2000	pg/L	84.6	(20%-175%)
13C-1,2,3,7,8-PeCDD		1620	2000	pg/L	80.9	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1430	2000	pg/L	71.4	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1680	2000	pg/L	84.1	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1530	2000	pg/L	76.4	(22%-166%)
13C-OCDD		2650	4000	pg/L	66.2	(13%-199%)
13C-2,3,7,8-TCDF		1460	2000	pg/L	73.1	(22%-152%)
13C-1,2,3,7,8-PeCDF		1550	2000	pg/L	77.3	(21%-192%)
13C-2,3,4,7,8-PeCDF		1590	2000	pg/L	79.6	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1480	2000	pg/L	74.1	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1690	2000	pg/L	84.7	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1650	2000	pg/L	82.3	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1560	2000	pg/L	78.1	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1480	2000	pg/L	74.2	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1540	2000	pg/L	77.1	(20%-186%)
37Cl-2,3,7,8-TCDD		200	200	pg/L	99.8	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1C1109**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029089**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46587**				
Client ID:	**LCSD for batch 46587**			**Prep Basis:**	**As Received**
Batch ID:	**46590**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/15/2021 23:09**	**Analyst:**	**MJC**	**Instrument:**	**HRP763**
Data File:	**b14apr21a_4-2**			**Dilution:**	**1**
Prep Batch:	**46587**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**14-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		180	pg/L	2.04	10.0
40321-76-4	1,2,3,7,8-PeCDD		988	pg/L	3.88	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		970	pg/L	12.5	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		979	pg/L	11.4	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		1010	pg/L	12.0	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		959	pg/L	10.4	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1900	pg/L	32.0	100
51207-31-9	2,3,7,8-TCDF		193	pg/L	2.52	10.0
57117-41-6	1,2,3,7,8-PeCDF		1010	pg/L	4.98	50.0
57117-31-4	2,3,4,7,8-PeCDF		997	pg/L	4.28	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		1010	pg/L	8.74	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		1020	pg/L	8.74	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		1010	pg/L	8.12	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		1020	pg/L	13.0	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		992	pg/L	8.94	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		997	pg/L	13.7	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		1980	pg/L	20.6	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1880	2000	pg/L	93.9	(20%-175%)
13C-1,2,3,7,8-PeCDD		1740	2000	pg/L	87.2	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1430	2000	pg/L	71.7	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1610	2000	pg/L	80.4	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1490	2000	pg/L	74.6	(22%-166%)
13C-OCDD		2490	4000	pg/L	62.2	(13%-199%)
13C-2,3,7,8-TCDF		1500	2000	pg/L	75.2	(22%-152%)
13C-1,2,3,7,8-PeCDF		1650	2000	pg/L	82.6	(21%-192%)
13C-2,3,4,7,8-PeCDF		1730	2000	pg/L	86.5	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1430	2000	pg/L	71.7	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1590	2000	pg/L	79.6	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1560	2000	pg/L	78.2	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1550	2000	pg/L	77.7	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1430	2000	pg/L	71.7	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1470	2000	pg/L	73.5	(20%-186%)
37Cl-2,3,7,8-TCDD		219	200	pg/L	110	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

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

ANALYTICAL REPORT

Monday, May 24, 2021

Kyle Haggart
GeoDesign, Inc.
9450 SW Commerce Circle
Wilsonville, OR 97070

RE: A1D1005 - Former Automatic Vending Co. - BCSAmerica-1-02

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 A1D1005, which was received by the laboratory on 4/24/2021 at 9:49:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@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	5.3 degC	Cooler #2	3.3 degC
Cooler #3	4.1 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

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1(042421)	A1D1005-01	Water	04/24/21 05:45	04/24/21 09:49
SW-2(042421)	A1D1005-02	Water	04/24/21 06:15	04/24/21 09:49
DUP(042421)	A1D1005-03	Water	04/24/21 05:50	04/24/21 09:49
SW-1-TB(042421)	A1D1005-04	Water	04/24/21 00:00	04/24/21 09:49
SW-2-TB(042421)	A1D1005-05	Water	04/24/21 00:00	04/24/21 09:49
DUP-TB(042421)	A1D1005-06	Water	04/24/21 00:00	04/24/21 09:49

Apex Laboratories

Philip Nerenberg, Lab Director

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

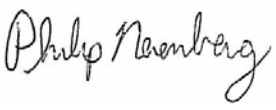
GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01RE1)				**Matrix: Water**		**Batch: 1041169**		
Diesel	**1.01**	0.0980	0.196	mg/L	1	05/03/21 07:52	NWTPH-Dx	**F-24**
Oil	**2.91**	0.196	0.392	mg/L	1	05/03/21 07:52	NWTPH-Dx	**F-24**
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*		*Limits: 50-150 %*	*1*	*05/03/21 07:52*	*NWTPH-Dx*	
SW-2(042421) (A1D1005-02RE1)				**Matrix: Water**		**Batch: 1041169**		
Diesel	**3.46**	0.0962	0.192	mg/L	1	05/03/21 08:14	NWTPH-Dx	**F-11**
Oil	ND	0.192	0.385	mg/L	1	05/03/21 08:14	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 90 %*		*Limits: 50-150 %*	*1*	*05/03/21 08:14*	*NWTPH-Dx*	
DUP(042421) (A1D1005-03RE1)				**Matrix: Water**		**Batch: 1041169**		
Diesel	**0.874**	0.0962	0.192	mg/L	1	05/03/21 08:58	NWTPH-Dx	**F-24**
Oil	**2.71**	0.192	0.385	mg/L	1	05/03/21 08:58	NWTPH-Dx	**F-24**
Surrogate: o-Terphenyl (Surr)		*Recovery: 96 %*		*Limits: 50-150 %*	*1*	*05/03/21 08:58*	*NWTPH-Dx*	

Apex Laboratories



Philip Nerenberg, Lab Director

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

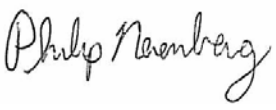
GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

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
SW-1(042421) (A1D1005-01)				**Matrix: Water**		**Batch: 1041086**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/29/21 20:21	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 96 %*		*Limits: 50-150 %*	*1*	*04/29/21 20:21*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*97 %*		*50-150 %*	*1*	*04/29/21 20:21*	*NWTPH-Gx (MS)*	
SW-2(042421) (A1D1005-02RE1)				**Matrix: Water**		**Batch: 1041139**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/30/21 15:58	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 100 %*		*Limits: 50-150 %*	*1*	*04/30/21 15:58*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*106 %*		*50-150 %*	*1*	*04/30/21 15:58*	*NWTPH-Gx (MS)*	
DUP(042421) (A1D1005-03RE1)				**Matrix: Water**		**Batch: 1041139**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/30/21 16:25	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 98 %*		*Limits: 50-150 %*	*1*	*04/30/21 16:25*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*106 %*		*50-150 %*	*1*	*04/30/21 16:25*	*NWTPH-Gx (MS)*	

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**		**Batch: 1041086**		
Acetone	**87.7**	10.0	20.0	ug/L	1	04/29/21 20:21	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/29/21 20:21	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/29/21 20:21	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/29/21 20:21	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/29/21 20:21	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/29/21 20:21	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/29/21 20:21	EPA 8260D	ESTa
Chloromethane	ND	2.50	5.00	ug/L	1	04/29/21 20:21	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/29/21 20:21	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/29/21 20:21	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/29/21 20:21	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	EST
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/29/21 20:21	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/29/21 20:21	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/29/21 20:21	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/29/21 20:21	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**		**Batch: 1041086**		
Naphthalene	ND	2.00	4.00	ug/L	1	04/29/21 20:21	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/29/21 20:21	EPA 8260D	
Styrene	ND	1.00	2.00	ug/L	1	04/29/21 20:21	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/29/21 20:21	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/29/21 20:21	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/29/21 20:21	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/29/21 20:21	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/29/21 20:21	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*04/29/21 20:21*	*EPA 8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*04/29/21 20:21*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*04/29/21 20:21*	*EPA 8260D*	
SW-2(042421) (A1D1005-02RE1)				**Matrix: Water**		**Batch: 1041139**		
Acetone	ND	20.0	20.0	ug/L	1	04/30/21 15:58	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/30/21 15:58	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Bromoform	ND	1.00	2.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/30/21 15:58	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/30/21 15:58	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/30/21 15:58	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 15:58	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	04/30/21 15:58	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 15:58	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(042421) (A1D1005-02RE1)				**Matrix: Water**		**Batch: 1041139**		
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 15:58	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 15:58	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/30/21 15:58	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/30/21 15:58	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/30/21 15:58	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/30/21 15:58	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	04/30/21 15:58	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/30/21 15:58	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/30/21 15:58	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/30/21 15:58	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/30/21 15:58	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/30/21 15:58	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/30/21 15:58	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/30/21 15:58	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*113 %*	*Limits: 80-120 %*	*1*	*04/30/21 15:58*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/30/21 15:58*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*04/30/21 15:58*	*EPA 8260D*	
DUP(042421) (A1D1005-03RE1)				**Matrix: Water**		**Batch: 1041139**		
Acetone	**89.4**	10.0	20.0	ug/L	1	04/30/21 16:25	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/30/21 16:25	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Bromoform	ND	1.00	2.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/30/21 16:25	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/30/21 16:25	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(042421) (A1D1005-03RE1)				**Matrix: Water**		**Batch: 1041139**		
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/30/21 16:25	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 16:25	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	04/30/21 16:25	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 16:25	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 16:25	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/30/21 16:25	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/30/21 16:25	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/30/21 16:25	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/30/21 16:25	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/30/21 16:25	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	04/30/21 16:25	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/30/21 16:25	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/30/21 16:25	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/30/21 16:25	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/30/21 16:25	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/30/21 16:25	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/30/21 16:25	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/30/21 16:25	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 112 %*		*Limits: 80-120 %*	*1*	*04/30/21 16:25*	*EPA 8260D*	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(042421) (A1D1005-03RE1)				**Matrix: Water**		**Batch: 1041139**		
Surrogate: Toluene-d8 (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*04/30/21 16:25*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*	*1*	*04/30/21 16:25*	*EPA 8260D*	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**		**Batch: 1041149**		
Benzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/30/21 13:49	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/30/21 13:49*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*04/30/21 13:49*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*85 %*	*80-120 %*	*1*	*04/30/21 13:49*	*EPA 8260D SIM*	
SW-2(042421) (A1D1005-02)				**Matrix: Water**		**Batch: 1041149**		
Benzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(042421) (A1D1005-02)				**Matrix: Water**		**Batch: 1041149**		
o-Xylene	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/30/21 14:15	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*04/30/21 14:15*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*94 %*	*80-120 %*	*1*	*04/30/21 14:15*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*85 %*	*80-120 %*	*1*	*04/30/21 14:15*	*EPA 8260D SIM*	
DUP(042421) (A1D1005-03)				**Matrix: Water**		**Batch: 1041149**		
Benzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(042421) (A1D1005-03)				**Matrix: Water**		**Batch: 1041149**		
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/30/21 14:42	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/30/21 14:42*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/30/21 14:42*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*84 %*	*80-120 %*	*1*	*04/30/21 14:42*	*EPA 8260D SIM*	
SW-1-TB(042421) (A1D1005-04)				**Matrix: Water**		**Batch: 1041149**		**V-01**
Benzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-TB(042421) (A1D1005-04)				**Matrix: Water**		**Batch: 1041149**		**V-01**
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/30/21 12:28	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/30/21 12:28*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/30/21 12:28*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*84 %*	*80-120 %*	*1*	*04/30/21 12:28*	*EPA 8260D SIM*	
SW-2-TB(042421) (A1D1005-05)				**Matrix: Water**		**Batch: 1041149**		**V-01**
Benzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-TB(042421) (A1D1005-05)				**Matrix: Water**		**Batch: 1041149**		**V-01**
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/30/21 12:55	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/30/21 12:55*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/30/21 12:55*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*84 %*	*80-120 %*	*1*	*04/30/21 12:55*	*EPA 8260D SIM*	
DUP-TB(042421) (A1D1005-06)				**Matrix: Water**		**Batch: 1041149**		**V-01**
Benzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
m,p-Xylene	ND	0.100	0.200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
o-Xylene	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP-TB(042421) (A1D1005-06)				**Matrix: Water**		**Batch: 1041149**		**V-01**
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/30/21 13:22	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*04/30/21 13:22*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*95 %*	*80-120 %*	*1*	*04/30/21 13:22*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*84 %*	*80-120 %*	*1*	*04/30/21 13:22*	*EPA 8260D SIM*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**		**Batch: 1050125**		**C-07**
Aroclor 1016	ND	0.0189	0.0377	ug/L	1	05/05/21 20:05	EPA 8082A	
Aroclor 1221	ND	0.0189	0.0377	ug/L	1	05/05/21 20:05	EPA 8082A	
Aroclor 1232	ND	0.0189	0.0377	ug/L	1	05/05/21 20:05	EPA 8082A	
Aroclor 1242	ND	0.0189	0.0377	ug/L	1	05/05/21 20:05	EPA 8082A	
Aroclor 1248	ND	0.0189	0.0377	ug/L	1	05/05/21 20:05	EPA 8082A	
Aroclor 1254	ND	0.0189	0.0377	ug/L	1	05/05/21 20:05	EPA 8082A	
Aroclor 1260	ND	0.0189	0.0377	ug/L	1	05/05/21 20:05	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 50 %*		*Limits: 40-135 %*	*1*	*05/05/21 20:05*	*EPA 8082A*	
SW-2(042421) (A1D1005-02)				**Matrix: Water**		**Batch: 1050125**		**C-07**
Aroclor 1016	ND	0.0189	0.0377	ug/L	1	05/05/21 20:23	EPA 8082A	
Aroclor 1221	ND	0.0189	0.0377	ug/L	1	05/05/21 20:23	EPA 8082A	
Aroclor 1232	ND	0.0189	0.0377	ug/L	1	05/05/21 20:23	EPA 8082A	
Aroclor 1242	ND	0.0189	0.0377	ug/L	1	05/05/21 20:23	EPA 8082A	
Aroclor 1248	ND	0.0189	0.0377	ug/L	1	05/05/21 20:23	EPA 8082A	
Aroclor 1254	ND	0.0189	0.0377	ug/L	1	05/05/21 20:23	EPA 8082A	
Aroclor 1260	ND	0.0189	0.0377	ug/L	1	05/05/21 20:23	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 57 %*		*Limits: 40-135 %*	*1*	*05/05/21 20:23*	*EPA 8082A*	
DUP(042421) (A1D1005-03)				**Matrix: Water**		**Batch: 1050125**		**C-07**
Aroclor 1016	ND	0.0189	0.0377	ug/L	1	05/05/21 20:40	EPA 8082A	
Aroclor 1221	ND	0.0189	0.0377	ug/L	1	05/05/21 20:40	EPA 8082A	
Aroclor 1232	ND	0.0189	0.0377	ug/L	1	05/05/21 20:40	EPA 8082A	
Aroclor 1242	ND	0.0189	0.0377	ug/L	1	05/05/21 20:40	EPA 8082A	
Aroclor 1248	ND	0.0189	0.0377	ug/L	1	05/05/21 20:40	EPA 8082A	
Aroclor 1254	ND	0.0189	0.0377	ug/L	1	05/05/21 20:40	EPA 8082A	
Aroclor 1260	ND	0.0189	0.0377	ug/L	1	05/05/21 20:40	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 44 %*		*Limits: 40-135 %*	*1*	*05/05/21 20:40*	*EPA 8082A*	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**		**Batch: 1041137**		**R-04**
Acenaphthene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Acenaphthylene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Anthracene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Benz(a)anthracene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Benzo(a)pyrene	ND	0.566	1.13	ug/L	40	04/30/21 14:44	EPA 8270E	
Benzo(b)fluoranthene	ND	0.566	1.13	ug/L	40	04/30/21 14:44	EPA 8270E	
Benzo(k)fluoranthene	ND	0.566	1.13	ug/L	40	04/30/21 14:44	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Chrysene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Fluoranthene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Fluorene	ND	0.755	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
1-Methylnaphthalene	ND	0.755	1.51	ug/L	40	04/30/21 14:44	EPA 8270E	
2-Methylnaphthalene	ND	0.755	1.51	ug/L	40	04/30/21 14:44	EPA 8270E	
Naphthalene	ND	0.755	1.51	ug/L	40	04/30/21 14:44	EPA 8270E	
Phenanthrene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Pyrene	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Carbazole	ND	0.566	1.13	ug/L	40	04/30/21 14:44	EPA 8270E	
Dibenzofuran	ND	0.377	0.755	ug/L	40	04/30/21 14:44	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	7.55	15.1	ug/L	40	04/30/21 14:44	EPA 8270E	
Butyl benzyl phthalate	ND	7.55	15.1	ug/L	40	04/30/21 14:44	EPA 8270E	
Diethylphthalate	ND	7.55	15.1	ug/L	40	04/30/21 14:44	EPA 8270E	
Dimethylphthalate	ND	7.55	15.1	ug/L	40	04/30/21 14:44	EPA 8270E	
Di-n-butylphthalate	ND	7.55	15.1	ug/L	40	04/30/21 14:44	EPA 8270E	
Di-n-octyl phthalate	ND	7.55	15.1	ug/L	40	04/30/21 14:44	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*53 %*	*Limits:* *44-120 %*	*40*	*04/30/21 14:44*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*58 %*	*44-120 %*	*40*	*04/30/21 14:44*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*17 %*	*10-133 %*	*40*	*04/30/21 14:44*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*29 %*	*50-134 %*	*40*	*04/30/21 14:44*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*29 %*	*19-120 %*	*40*	*04/30/21 14:44*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*107 %*	*43-140 %*	*40*	*04/30/21 14:44*	*EPA 8270E*	*S-05*
SW-2(042421) (A1D1005-02RE1)				**Matrix: Water**		**Batch: 1041137**		**R-04**

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(042421) (A1D1005-02RE1)				**Matrix: Water**		**Batch: 1041137**		**R-04**
Acenaphthene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Acenaphthylene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Anthracene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Benz(a)anthracene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Benzo(a)pyrene	ND	0.291	0.583	ug/L	20	04/30/21 17:05	EPA 8270E	
Benzo(b)fluoranthene	ND	0.291	0.583	ug/L	20	04/30/21 17:05	EPA 8270E	
Benzo(k)fluoranthene	ND	0.291	0.583	ug/L	20	04/30/21 17:05	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Chrysene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Fluoranthene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Fluorene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
1-Methylnaphthalene	ND	0.388	0.777	ug/L	20	04/30/21 17:05	EPA 8270E	
2-Methylnaphthalene	ND	0.388	0.777	ug/L	20	04/30/21 17:05	EPA 8270E	
Naphthalene	ND	0.388	0.777	ug/L	20	04/30/21 17:05	EPA 8270E	
Phenanthrene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Pyrene	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Carbazole	ND	0.291	0.583	ug/L	20	04/30/21 17:05	EPA 8270E	
Dibenzofuran	ND	0.194	0.388	ug/L	20	04/30/21 17:05	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	3.88	7.77	ug/L	20	04/30/21 17:05	EPA 8270E	
Butyl benzyl phthalate	ND	3.88	7.77	ug/L	20	04/30/21 17:05	EPA 8270E	
Diethylphthalate	ND	3.88	7.77	ug/L	20	04/30/21 17:05	EPA 8270E	
Dimethylphthalate	ND	3.88	7.77	ug/L	20	04/30/21 17:05	EPA 8270E	
Di-n-butylphthalate	ND	3.88	7.77	ug/L	20	04/30/21 17:05	EPA 8270E	
Di-n-octyl phthalate	ND	3.88	7.77	ug/L	20	04/30/21 17:05	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*76 %*	*Limits: 44-120 %*	*20*	*04/30/21 17:05*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*76 %*	*44-120 %*	*20*	*04/30/21 17:05*	*EPA 8270E*	
Phenol-d6 (Surr)			*22 %*	*10-133 %*	*20*	*04/30/21 17:05*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*33 %*	*50-134 %*	*20*	*04/30/21 17:05*	*EPA 8270E*	*S-06*
2-Fluorophenol (Surr)			*37 %*	*19-120 %*	*20*	*04/30/21 17:05*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*119 %*	*43-140 %*	*20*	*04/30/21 17:05*	*EPA 8270E*	
DUP(042421) (A1D1005-03RE1)				**Matrix: Water**		**Batch: 1041177**		**R-04**

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(042421) (A1D1005-03RE1)				**Matrix: Water**		**Batch: 1041177**		**R-04**
Acenaphthene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Acenaphthylene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Anthracene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Benz(a)anthracene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Benzo(a)pyrene	ND	0.583	1.17	ug/L	40	05/03/21 23:52	EPA 8270E	
Benzo(b)fluoranthene	ND	0.583	1.17	ug/L	40	05/03/21 23:52	EPA 8270E	
Benzo(k)fluoranthene	ND	0.583	1.17	ug/L	40	05/03/21 23:52	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Chrysene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Fluoranthene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Fluorene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
1-Methylnaphthalene	ND	0.777	1.55	ug/L	40	05/03/21 23:52	EPA 8270E	
2-Methylnaphthalene	ND	0.777	1.55	ug/L	40	05/03/21 23:52	EPA 8270E	
Naphthalene	ND	0.777	1.55	ug/L	40	05/03/21 23:52	EPA 8270E	
Phenanthrene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Pyrene	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Carbazole	ND	0.583	1.17	ug/L	40	05/03/21 23:52	EPA 8270E	
Dibenzofuran	ND	0.388	0.777	ug/L	40	05/03/21 23:52	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	7.77	15.5	ug/L	40	05/03/21 23:52	EPA 8270E	
Butyl benzyl phthalate	ND	7.77	15.5	ug/L	40	05/03/21 23:52	EPA 8270E	
Diethylphthalate	ND	7.77	15.5	ug/L	40	05/03/21 23:52	EPA 8270E	
Dimethylphthalate	ND	7.77	15.5	ug/L	40	05/03/21 23:52	EPA 8270E	
Di-n-butylphthalate	ND	7.77	15.5	ug/L	40	05/03/21 23:52	EPA 8270E	
Di-n-octyl phthalate	ND	7.77	15.5	ug/L	40	05/03/21 23:52	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*51 %*	*Limits: 44-120 %*	*40*	*05/03/21 23:52*	*EPA 8270E*	*S-05*
2-Fluorobiphenyl (Surr)			*54 %*	*44-120 %*	*40*	*05/03/21 23:52*	*EPA 8270E*	*S-05*
Phenol-d6 (Surr)			*26 %*	*10-133 %*	*40*	*05/03/21 23:52*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*31 %*	*50-134 %*	*40*	*05/03/21 23:52*	*EPA 8270E*	*S-05*
2-Fluorophenol (Surr)			*29 %*	*19-120 %*	*40*	*05/03/21 23:52*	*EPA 8270E*	*S-05*
2,4,6-Tribromophenol (Surr)			*86 %*	*43-140 %*	*40*	*05/03/21 23:52*	*EPA 8270E*	*S-05*

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**				
Batch: 1050197								
Arsenic	**0.517**	0.500	1.00	ug/L	1	05/06/21 19:08	EPA 200.8	**J**
Chromium	**1.85**	0.500	1.00	ug/L	1	05/06/21 19:08	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	05/06/21 19:08	EPA 200.8	
Zinc	**140**	2.00	4.00	ug/L	1	05/06/21 19:08	EPA 200.8	
SW-2(042421) (A1D1005-02)				**Matrix: Water**				
Batch: 1050197								
Arsenic	**1.14**	0.500	1.00	ug/L	1	05/06/21 19:12	EPA 200.8	
Cadmium	**0.280**	0.100	0.200	ug/L	1	05/06/21 19:12	EPA 200.8	
Chromium	**2.64**	0.500	1.00	ug/L	1	05/06/21 19:12	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	05/06/21 19:12	EPA 200.8	
Zinc	**703**	2.00	4.00	ug/L	1	05/06/21 19:12	EPA 200.8	
DUP(042421) (A1D1005-03)				**Matrix: Water**				
Batch: 1050197								
Chromium	**1.70**	0.500	1.00	ug/L	1	05/06/21 19:17	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	05/06/21 19:17	EPA 200.8	
Zinc	**135**	2.00	4.00	ug/L	1	05/06/21 19:17	EPA 200.8	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**				
Batch: 1050526								
Cadmium	**0.0713**	0.0250	0.0500	ug/L	1	05/19/21 16:27	EPA 200.8-LL	
DUP(042421) (A1D1005-03)				**Matrix: Water**				
Batch: 1050526								
Arsenic	**0.461**	0.0500	0.100	ug/L	1	05/19/21 16:34	EPA 200.8-LL	
Cadmium	**0.0606**	0.0250	0.0500	ug/L	1	05/19/21 16:34	EPA 200.8-LL	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(042421) (A1D1005-01)				**Matrix: Water**				
Batch: 1040974								
Total Suspended Solids	**13.0**	5.00	5.00	mg/L	1	04/29/21 09:21	SM 2540 D	
SW-2(042421) (A1D1005-02)				**Matrix: Water**				
Batch: 1040974								
Total Suspended Solids	**8.00**	5.00	5.00	mg/L	1	04/29/21 09:21	SM 2540 D	
DUP(042421) (A1D1005-03)				**Matrix: Water**				
Batch: 1040974								
Total Suspended Solids	**9.00**	5.00	5.00	mg/L	1	04/29/21 09:21	SM 2540 D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041169 - EPA 3510C (Fuels/Acid Ext.)									Water			
Blank (1041169-BLK1)			Prepared: 04/30/21 13:01		Analyzed: 05/01/21 03:27							
NWTPH-Dx												
Diesel	ND	0.0909	0.182	mg/L	1	---	---	---	---	---	---	
Oil	ND	0.182	0.364	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 88 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (1041169-BS1)			Prepared: 04/30/21 13:01		Analyzed: 05/01/21 03:49							
NWTPH-Dx												
Diesel	0.960	0.100	0.200	mg/L	1	1.25	---	77	59-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 98 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS Dup (1041169-BSD1)			Prepared: 04/30/21 13:01		Analyzed: 05/01/21 04:10							**Q-19**
NWTPH-Dx												
Diesel	0.994	0.100	0.200	mg/L	1	1.25	---	80	59-115%	3	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 96 %*		*Limits: 50-150 %*		*Dilution: 1x*					

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

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 1041086 - EPA 5030B									Water			
Blank (1041086-BLK1)				Prepared: 04/29/21 08:00 Analyzed: 04/29/21 09:40								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*101 %*	*50-150 %*			*"*					
LCS (1041086-BS2)				Prepared: 04/29/21 08:00 Analyzed: 04/29/21 09:11								
NWTPH-Gx (MS)												
Gasoline Range Organics	0.444	0.0500	0.100	mg/L	1	0.500	---	89	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*94 %*	*50-150 %*			*"*					
Duplicate (1041086-DUP1)				Prepared: 04/29/21 09:00 Analyzed: 04/29/21 12:06								
QC Source Sample: Non-SDG (A1D1137-01)												
Gasoline Range Organics	**1.02**	0.0500	0.100	mg/L	1	---	0.752	---	---	30	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 111 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*98 %*	*50-150 %*			*"*					
Duplicate (1041086-DUP2)				Prepared: 04/29/21 09:00 Analyzed: 04/29/21 21:48								T-02
QC Source Sample: SW-2(042421) (A1D1005-02)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 95 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*100 %*	*50-150 %*			*"*					

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

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 1041139 - EPA 5030B									Water			
Blank (1041139-BLK1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 10:06							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 100 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*108 %*		*50-150 %*			*"*				
LCS (1041139-BS2)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 09:39							
NWTPH-Gx (MS)												
Gasoline Range Organics	0.550	0.0500	0.100	mg/L	1	0.500	---	110	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 108 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*103 %*		*50-150 %*			*"*				
Duplicate (1041139-DUP1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 12:49							
QC Source Sample: Non-SDG (A1D1204-01)												
Gasoline Range Organics	**0.301**	0.0500	0.100	mg/L	1	---	0.290	---	---	4	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 108 %*		*Limits: 50-150 %*			*Dilution: 1x*				
1,4-Difluorobenzene (Sur)			*108 %*		*50-150 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
Blank (1041086-BLK1)			Prepared: 04/29/21 08:00		Analyzed: 04/29/21 09:40							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	ESTa
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	EST
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							Water					
Blank (1041086-BLK1)			Prepared: 04/29/21 08:00		Analyzed: 04/29/21 09:40							
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 104 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B												**Water**
Blank (1041086-BLK1)					Prepared: 04/29/21 08:00 Analyzed: 04/29/21 09:40							
Surr: Toluene-d8 (Surr)			*Recovery: 97 %*		*Limits: 80-120 %*							*Dilution: 1x*
4-Bromofluorobenzene (Surr)			*102 %*		*80-120 %*							*"*
LCS (1041086-BS1)					Prepared: 04/29/21 08:00 Analyzed: 04/29/21 08:41							
EPA 8260D												
Acetone	34.5	10.0	20.0	ug/L	1	40.0	---	86	80-120%	---	---	
Acrylonitrile	18.0	1.00	2.00	ug/L	1	20.0	---	90	80-120%	---	---	
Benzene	19.4	0.100	0.200	ug/L	1	20.0	---	97	80-120%	---	---	
Bromobenzene	19.2	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Bromochloromethane	18.8	0.500	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
Bromodichloromethane	20.1	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Bromoform	23.4	0.500	1.00	ug/L	1	20.0	---	117	80-120%	---	---	
Bromomethane	13.8	5.00	5.00	ug/L	1	20.0	---	**69**	**80-120%**	---	---	Q-55
2-Butanone (MEK)	37.5	5.00	10.0	ug/L	1	40.0	---	94	80-120%	---	---	
n-Butylbenzene	18.2	0.500	1.00	ug/L	1	20.0	---	91	80-120%	---	---	
sec-Butylbenzene	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
tert-Butylbenzene	19.1	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Carbon disulfide	16.2	5.00	10.0	ug/L	1	20.0	---	81	80-120%	---	---	
Carbon tetrachloride	22.6	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
Chlorobenzene	19.6	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Chloroethane	15.9	5.00	5.00	ug/L	1	20.0	---	**79**	**80-120%**	---	---	ESTa, Q-55
Chloroform	19.9	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
Chloromethane	20.8	2.50	5.00	ug/L	1	20.0	---	104	80-120%	---	---	
2-Chlorotoluene	21.9	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
4-Chlorotoluene	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Dibromochloromethane	21.5	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
1,2-Dibromo-3-chloropropane	19.9	2.50	5.00	ug/L	1	20.0	---	99	80-120%	---	---	
1,2-Dibromoethane (EDB)	21.5	0.250	0.500	ug/L	1	20.0	---	108	80-120%	---	---	
Dibromomethane	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
1,2-Dichlorobenzene	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,3-Dichlorobenzene	21.1	0.250	0.500	ug/L	1	20.0	---	105	80-120%	---	---	
1,4-Dichlorobenzene	18.6	0.250	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Dichlorodifluoromethane	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	EST
1,1-Dichloroethane	17.7	0.200	0.400	ug/L	1	20.0	---	88	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
LCS (1041086-BS1)			Prepared: 04/29/21 08:00		Analyzed: 04/29/21 08:41							
1,2-Dichloroethane (EDC)	19.2	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
1,1-Dichloroethene	18.6	0.200	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
cis-1,2-Dichloroethene	18.6	0.200	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
trans-1,2-Dichloroethene	16.6	0.200	0.400	ug/L	1	20.0	---	83	80-120%	---	---	
1,2-Dichloropropane	18.4	0.250	0.500	ug/L	1	20.0	---	92	80-120%	---	---	
1,3-Dichloropropane	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
2,2-Dichloropropane	21.6	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
1,1-Dichloropropene	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
cis-1,3-Dichloropropene	18.9	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
trans-1,3-Dichloropropene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
Ethylbenzene	22.2	0.250	0.500	ug/L	1	20.0	---	111	80-120%	---	---	
Hexachlorobutadiene	20.6	2.50	5.00	ug/L	1	20.0	---	103	80-120%	---	---	
2-Hexanone	33.5	5.00	10.0	ug/L	1	40.0	---	84	80-120%	---	---	
Isopropylbenzene	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
4-Isopropyltoluene	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Methylene chloride	19.9	5.00	10.0	ug/L	1	20.0	---	100	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	36.2	5.00	10.0	ug/L	1	40.0	---	91	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	18.1	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
Naphthalene	16.1	2.00	4.00	ug/L	1	20.0	---	80	80-120%	---	---	
n-Propylbenzene	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Styrene	20.5	1.00	2.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,1,1,2-Tetrachloroethane	22.0	0.200	0.400	ug/L	1	20.0	---	110	80-120%	---	---	
1,1,2,2-Tetrachloroethane	18.4	0.250	0.500	ug/L	1	20.0	---	92	80-120%	---	---	
Tetrachloroethene (PCE)	21.0	0.200	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
Toluene	18.7	0.500	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
1,2,3-Trichlorobenzene	20.0	1.00	2.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,2,4-Trichlorobenzene	18.1	1.00	2.00	ug/L	1	20.0	---	91	80-120%	---	---	
1,1,1-Trichloroethane	21.2	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	
1,1,2-Trichloroethane	20.8	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
Trichloroethene (TCE)	19.2	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
Trichlorofluoromethane	20.5	1.00	2.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,2,3-Trichloropropane	19.5	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
1,2,4-Trimethylbenzene	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
1,3,5-Trimethylbenzene	19.5	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
LCS (1041086-BS1)			Prepared: 04/29/21 08:00		Analyzed: 04/29/21 08:41							
Vinyl chloride	16.4	0.200	0.400	ug/L	1	20.0	---	82	80-120%	---	---	
m,p-Xylene	41.4	0.500	1.00	ug/L	1	40.0	---	103	80-120%	---	---	
o-Xylene	18.9	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 97 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*96 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*		*"*					
Duplicate (1041086-DUP1)			Prepared: 04/29/21 09:00		Analyzed: 04/29/21 12:06							
QC Source Sample: Non-SDG (A1D1137-01)												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	**0.200**	0.100	0.200	ug/L	1	---	0.160	---	---	22	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	**0.660**	0.500	1.00	ug/L	1	---	0.550	---	---	18	30%	J
sec-Butylbenzene	**1.01**	0.500	1.00	ug/L	1	---	0.890	---	---	13	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	ESTa
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
Duplicate (1041086-DUP1)			Prepared: 04/29/21 09:00		Analyzed: 04/29/21 12:06							
QC Source Sample: Non-SDG (A1D1137-01)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	EST
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	**10.9**	0.250	0.500	ug/L	1	---	8.64	---	---	23	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	**1.62**	0.500	1.00	ug/L	1	---	1.33	---	---	20	30%	
4-Isopropyltoluene	**0.890**	0.500	1.00	ug/L	1	---	0.720	---	---	21	30%	J
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	**8.34**	2.00	4.00	ug/L	1	---	6.47	---	---	25	30%	
n-Propylbenzene	**3.14**	0.250	0.500	ug/L	1	---	2.15	---	---	**37**	**30%**	Q-05
Styrene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
Duplicate (1041086-DUP1)			Prepared: 04/29/21 09:00		Analyzed: 04/29/21 12:06							
QC Source Sample: Non-SDG (A1D1137-01)												
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**65.5**	0.500	1.00	ug/L	1	---	49.3	---	---	28	30%	
1,3,5-Trimethylbenzene	**1.00**	0.500	1.00	ug/L	1	---	0.690	---	---	**37**	**30%**	Q-05
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	**3.10**	0.500	1.00	ug/L	1	---	2.21	---	---	**34**	**30%**	Q-05
o-Xylene	**23.5**	0.250	0.500	ug/L	1	---	17.5	---	---	29	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*96 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*		*"*					
Duplicate (1041086-DUP2)			Prepared: 04/29/21 09:00		Analyzed: 04/29/21 21:48							**T-02**
QC Source Sample: SW-2(042421) (A1D1005-02)												
EPA 8260D												
Acetone	ND	20.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	ESTa
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
Duplicate (1041086-DUP2)			Prepared: 04/29/21 09:00		Analyzed: 04/29/21 21:48							**T-02**
QC Source Sample: SW-2(042421) (A1D1005-02)												
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	EST
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	2.00	4.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
Duplicate (1041086-DUP2)			Prepared: 04/29/21 09:00 Analyzed: 04/29/21 21:48									**T-02**
QC Source Sample: SW-2(042421) (A1D1005-02)												
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Isobutyl alcohol	ND	250	250	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Xylenes, total	ND	0.750	1.50	ug/L	1	---	ND	---	---	---	30%	
trans-1,4-Dichloro-2-butene	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*					*Dilution: 1x*		
Toluene-d8 (Surr)			*97 %*		*80-120 %*					*"*		
4-Bromofluorobenzene (Surr)			*106 %*		*80-120 %*					*"*		
Matrix Spike (1041086-MS1)			Prepared: 04/29/21 09:00 Analyzed: 04/29/21 15:59									
QC Source Sample: Non-SDG (A1D1137-04)												
EPA 8260D												
Acetone	902	250	500	ug/L	25	1000	ND	90	39-160%	---	---	
Acrylonitrile	527	25.0	50.0	ug/L	25	500	54.8	94	63-135%	---	---	
Benzene	520	2.50	5.00	ug/L	25	500	4.00	103	79-120%	---	---	
Bromobenzene	498	6.25	12.5	ug/L	25	500	ND	100	80-120%	---	---	
Bromochloromethane	466	12.5	25.0	ug/L	25	500	ND	93	78-123%	---	---	
Bromodichloromethane	464	12.5	25.0	ug/L	25	500	ND	93	79-125%	---	---	
Bromoform	503	12.5	25.0	ug/L	25	500	ND	101	66-130%	---	---	
Bromomethane	422	125	125	ug/L	25	500	ND	84	53-141%	---	---	Q-54i

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
Matrix Spike (1041086-MS1)			Prepared: 04/29/21 09:00 Analyzed: 04/29/21 15:59									
QC Source Sample: Non-SDG (A1D1137-04)												
2-Butanone (MEK)	998	125	250	ug/L	25	1000	ND	100	56-143%	---	---	
n-Butylbenzene	610	12.5	25.0	ug/L	25	500	16.8	119	75-128%	---	---	
sec-Butylbenzene	547	12.5	25.0	ug/L	25	500	30.8	103	77-126%	---	---	
tert-Butylbenzene	534	12.5	25.0	ug/L	25	500	ND	107	78-124%	---	---	
Carbon disulfide	398	125	250	ug/L	25	500	ND	80	64-133%	---	---	
Carbon tetrachloride	511	12.5	25.0	ug/L	25	500	ND	102	72-136%	---	---	
Chlorobenzene	479	6.25	12.5	ug/L	25	500	ND	96	80-120%	---	---	
Chloroethane	400	125	125	ug/L	25	500	ND	80	60-138%	---	---	ESTa
Chloroform	473	12.5	25.0	ug/L	25	500	ND	95	79-124%	---	---	
Chloromethane	466	62.5	125	ug/L	25	500	ND	93	50-139%	---	---	
2-Chlorotoluene	628	12.5	25.0	ug/L	25	500	ND	**126**	**79-122%**	---	---	Q-01
4-Chlorotoluene	502	12.5	25.0	ug/L	25	500	ND	100	78-122%	---	---	
Dibromochloromethane	490	12.5	25.0	ug/L	25	500	ND	98	74-126%	---	---	
1,2-Dibromo-3-chloropropane	548	62.5	125	ug/L	25	500	ND	110	62-128%	---	---	
1,2-Dibromoethane (EDB)	527	6.25	12.5	ug/L	25	500	ND	105	77-121%	---	---	
Dibromomethane	483	12.5	25.0	ug/L	25	500	ND	97	79-123%	---	---	
1,2-Dichlorobenzene	530	6.25	12.5	ug/L	25	500	ND	106	80-120%	---	---	
1,3-Dichlorobenzene	534	6.25	12.5	ug/L	25	500	ND	107	80-120%	---	---	
1,4-Dichlorobenzene	467	6.25	12.5	ug/L	25	500	ND	93	79-120%	---	---	
Dichlorodifluoromethane	472	12.5	25.0	ug/L	25	500	ND	94	32-152%	---	---	EST
1,1-Dichloroethane	439	5.00	10.0	ug/L	25	500	ND	88	77-125%	---	---	
1,2-Dichloroethane (EDC)	434	5.00	10.0	ug/L	25	500	ND	87	73-128%	---	---	
1,1-Dichloroethene	442	5.00	10.0	ug/L	25	500	ND	88	71-131%	---	---	
cis-1,2-Dichloroethene	477	5.00	10.0	ug/L	25	500	ND	95	78-123%	---	---	
trans-1,2-Dichloroethene	433	5.00	10.0	ug/L	25	500	ND	87	75-124%	---	---	
1,2-Dichloropropane	476	6.25	12.5	ug/L	25	500	ND	95	78-122%	---	---	
1,3-Dichloropropane	494	12.5	25.0	ug/L	25	500	ND	99	80-120%	---	---	
2,2-Dichloropropane	474	12.5	25.0	ug/L	25	500	ND	95	60-139%	---	---	
1,1-Dichloropropene	577	12.5	25.0	ug/L	25	500	ND	115	79-125%	---	---	
cis-1,3-Dichloropropene	408	12.5	25.0	ug/L	25	500	ND	82	75-124%	---	---	
trans-1,3-Dichloropropene	460	12.5	25.0	ug/L	25	500	ND	92	73-127%	---	---	
Ethylbenzene	1790	6.25	12.5	ug/L	25	500	1220	114	79-121%	---	---	
Hexachlorobutadiene	585	62.5	125	ug/L	25	500	ND	117	66-134%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project:	Former Automatic Vending Co.
9450 SW Commerce Circle	Project Number:	BCSAmerica-1-02
Wilsonville, OR 97070	Project Manager:	Kyle Haggart

Report ID:
A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041086 - EPA 5030B							**Water**					
Matrix Spike (1041086-MS1)			Prepared: 04/29/21 09:00 Analyzed: 04/29/21 15:59									
QC Source Sample: Non-SDG (A1D1137-04)												
2-Hexanone	840	125	250	ug/L	25	1000	ND	84	57-139%	---	---	
Isopropylbenzene	632	12.5	25.0	ug/L	25	500	93.2	108	72-131%	---	---	
4-Isopropyltoluene	598	12.5	25.0	ug/L	25	500	18.8	116	77-127%	---	---	
Methylene chloride	511	125	250	ug/L	25	500	ND	102	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	924	125	250	ug/L	25	1000	ND	92	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	456	12.5	25.0	ug/L	25	500	ND	91	71-124%	---	---	
Naphthalene	894	50.0	100	ug/L	25	500	342	110	61-128%	---	---	
n-Propylbenzene	1020	6.25	12.5	ug/L	25	500	416	121	76-126%	---	---	
Styrene	509	25.0	50.0	ug/L	25	500	ND	102	78-123%	---	---	
1,1,1,2-Tetrachloroethane	492	5.00	10.0	ug/L	25	500	ND	98	78-124%	---	---	
1,1,2,2-Tetrachloroethane	448	6.25	12.5	ug/L	25	500	ND	90	71-121%	---	---	
Tetrachloroethene (PCE)	528	5.00	10.0	ug/L	25	500	ND	106	74-129%	---	---	
Toluene	508	12.5	25.0	ug/L	25	500	42.5	93	80-121%	---	---	
1,2,3-Trichlorobenzene	543	25.0	50.0	ug/L	25	500	ND	109	69-129%	---	---	
1,2,4-Trichlorobenzene	601	25.0	50.0	ug/L	25	500	ND	120	69-130%	---	---	
1,1,1-Trichloroethane	487	5.00	10.0	ug/L	25	500	ND	97	74-131%	---	---	
1,1,2-Trichloroethane	494	6.25	12.5	ug/L	25	500	ND	99	80-120%	---	---	
Trichloroethene (TCE)	520	5.00	10.0	ug/L	25	500	ND	104	79-123%	---	---	
Trichlorofluoromethane	458	25.0	50.0	ug/L	25	500	ND	92	65-141%	---	---	
1,2,3-Trichloropropane	461	12.5	25.0	ug/L	25	500	ND	92	73-122%	---	---	
1,2,4-Trimethylbenzene	2870	12.5	25.0	ug/L	25	500	2310	112	76-124%	---	---	
1,3,5-Trimethylbenzene	1320	12.5	25.0	ug/L	25	500	760	111	75-124%	---	---	
Vinyl chloride	474	5.00	10.0	ug/L	25	500	ND	95	58-137%	---	---	
m,p-Xylene	5410	12.5	25.0	ug/L	25	1000	4580	84	80-121%	---	---	
o-Xylene	1200	6.25	12.5	ug/L	25	500	656	109	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*			*Limits: 80-120 %*			*Dilution: 1x*			
Toluene-d8 (Surr)			*94 %*			*80-120 %*			*"*			
4-Bromofluorobenzene (Surr)			*105 %*			*80-120 %*			*"*			

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B							**Water**					
Blank (1041139-BLK1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 10:06							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B							Water					
Blank (1041139-BLK1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 10:06							
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 112 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B									**Water**			
Blank (1041139-BLK1)				Prepared: 04/30/21 08:00 Analyzed: 04/30/21 10:06								
Surr: Toluene-d8 (Surr)			*Recovery: 104 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*105 %*	*80-120 %*				*"*				
LCS (1041139-BS1)				Prepared: 04/30/21 08:00 Analyzed: 04/30/21 09:06								
EPA 8260D												
Acetone	40.9	10.0	20.0	ug/L	1	40.0	---	102	80-120%	---	---	
Acrylonitrile	22.9	1.00	2.00	ug/L	1	20.0	---	115	80-120%	---	---	
Benzene	21.6	0.100	0.200	ug/L	1	20.0	---	108	80-120%	---	---	
Bromobenzene	19.0	0.250	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Bromochloromethane	22.6	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
Bromodichloromethane	26.2	0.500	1.00	ug/L	1	20.0	---	**131**	**80-120%**	---	---	Q-56
Bromoform	20.2	1.00	2.00	ug/L	1	20.0	---	101	80-120%	---	---	
Bromomethane	29.6	5.00	5.00	ug/L	1	20.0	---	**148**	**80-120%**	---	---	E-05, Q-56
2-Butanone (MEK)	46.4	5.00	10.0	ug/L	1	40.0	---	116	80-120%	---	---	
n-Butylbenzene	23.0	0.500	1.00	ug/L	1	20.0	---	115	80-120%	---	---	
sec-Butylbenzene	21.6	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
tert-Butylbenzene	19.0	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
Carbon disulfide	22.4	5.00	10.0	ug/L	1	20.0	---	112	80-120%	---	---	E-05
Carbon tetrachloride	23.8	0.500	1.00	ug/L	1	20.0	---	119	80-120%	---	---	
Chlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Chloroethane	37.6	5.00	5.00	ug/L	1	20.0	---	**188**	**80-120%**	---	---	E-05, Q-56
Chloroform	22.0	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
Chloromethane	21.4	2.50	5.00	ug/L	1	20.0	---	107	80-120%	---	---	
2-Chlorotoluene	20.1	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
4-Chlorotoluene	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
Dibromochloromethane	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
1,2-Dibromo-3-chloropropane	21.3	2.50	5.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,2-Dibromoethane (EDB)	19.4	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Dibromomethane	22.9	0.500	1.00	ug/L	1	20.0	---	115	80-120%	---	---	
1,2-Dichlorobenzene	21.6	0.250	0.500	ug/L	1	20.0	---	108	80-120%	---	---	
1,3-Dichlorobenzene	20.8	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
1,4-Dichlorobenzene	19.7	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
Dichlorodifluoromethane	20.5	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,1-Dichloroethane	21.1	0.200	0.400	ug/L	1	20.0	---	106	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B							**Water**					
LCS (1041139-BS1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 09:06							
1,2-Dichloroethane (EDC)	21.4	0.200	0.400	ug/L	1	20.0	---	107	80-120%	---	---	
1,1-Dichloroethene	19.4	0.200	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
cis-1,2-Dichloroethene	20.3	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
trans-1,2-Dichloroethene	20.0	0.200	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
1,2-Dichloropropane	23.0	0.250	0.500	ug/L	1	20.0	---	115	80-120%	---	---	
1,3-Dichloropropane	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
2,2-Dichloropropane	25.9	0.500	1.00	ug/L	1	20.0	---	**130**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
cis-1,3-Dichloropropene	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
trans-1,3-Dichloropropene	20.7	1.00	2.00	ug/L	1	20.0	---	103	80-120%	---	---	
Ethylbenzene	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Hexachlorobutadiene	21.9	2.50	5.00	ug/L	1	20.0	---	110	80-120%	---	---	
2-Hexanone	40.4	5.00	10.0	ug/L	1	40.0	---	101	80-120%	---	---	
Isopropylbenzene	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
4-Isopropyltoluene	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
Methylene chloride	22.1	5.00	10.0	ug/L	1	20.0	---	111	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	41.7	5.00	10.0	ug/L	1	40.0	---	104	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	22.1	0.500	1.00	ug/L	1	20.0	---	111	80-120%	---	---	
Naphthalene	18.8	1.00	2.00	ug/L	1	20.0	---	94	80-120%	---	---	
n-Propylbenzene	20.8	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
Styrene	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
1,1,1,2-Tetrachloroethane	20.8	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
1,1,2,2-Tetrachloroethane	22.7	0.250	0.500	ug/L	1	20.0	---	114	80-120%	---	---	
Tetrachloroethene (PCE)	19.1	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
Toluene	19.4	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
1,2,3-Trichlorobenzene	21.4	1.00	2.00	ug/L	1	20.0	---	107	80-120%	---	---	
1,2,4-Trichlorobenzene	19.9	1.00	2.00	ug/L	1	20.0	---	100	80-120%	---	---	
1,1,1-Trichloroethane	21.8	0.200	0.400	ug/L	1	20.0	---	109	80-120%	---	---	
1,1,2-Trichloroethane	21.2	0.250	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Trichloroethene (TCE)	20.9	0.200	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
Trichlorofluoromethane	30.2	1.00	2.00	ug/L	1	20.0	---	**151**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
1,2,4-Trimethylbenzene	22.0	0.500	1.00	ug/L	1	20.0	---	110	80-120%	---	---	
1,3,5-Trimethylbenzene	20.9	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B												
LCS (1041139-BS1)			Prepared: 04/30/21 08:00 Analyzed: 04/30/21 09:06									
Vinyl chloride	21.1	0.200	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
m,p-Xylene	42.0	0.500	1.00	ug/L	1	40.0	---	105	80-120%	---	---	
o-Xylene	20.5	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*							
Toluene-d8 (Surr)			*96 %*		*80-120 %*							
4-Bromofluorobenzene (Surr)			*92 %*		*80-120 %*							
Duplicate (1041139-DUP1)			Prepared: 04/30/21 08:00 Analyzed: 04/30/21 12:49									
QC Source Sample: Non-SDG (A1D1204-01)												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	0.540	---	---	***	**30%**	Q-05
sec-Butylbenzene	**0.760**	0.500	1.00	ug/L	1	---	0.700	---	---	8	30%	J
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B							**Water**					
Duplicate (1041139-DUP1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 12:49							
QC Source Sample: Non-SDG (A1D1204-01)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	**1.40**	0.250	0.500	ug/L	1	---	1.39	---	---	0.7	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	**0.850**	0.500	1.00	ug/L	1	---	0.760	---	---	11	30%	J
4-Isopropyltoluene	**0.580**	0.500	1.00	ug/L	1	---	0.570	---	---	2	30%	J
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	**1.58**	1.00	2.00	ug/L	1	---	1.52	---	---	4	30%	J
n-Propylbenzene	**1.28**	0.250	0.500	ug/L	1	---	1.30	---	---	2	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B							**Water**					
Duplicate (1041139-DUP1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 12:49							
QC Source Sample: Non-SDG (A1D1204-01)												
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**8.94**	0.500	1.00	ug/L	1	---	8.72	---	---	2	30%	
1,3,5-Trimethylbenzene	**4.29**	0.500	1.00	ug/L	1	---	4.49	---	---	5	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	**6.25**	0.500	1.00	ug/L	1	---	6.00	---	---	4	30%	
o-Xylene	**3.37**	0.250	0.500	ug/L	1	---	3.37	---	---	0	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 113 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*102 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*		*"*					
Matrix Spike (1041139-MS1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 11:27							
QC Source Sample: Non-SDG (A1D1171-01)												
EPA 8260D												
Acetone	136	10.0	20.0	ug/L	1	40.0	101	88	39-160%	---	---	
Acrylonitrile	24.0	1.00	2.00	ug/L	1	20.0	ND	120	63-135%	---	---	
Benzene	23.0	0.100	0.200	ug/L	1	20.0	ND	115	79-120%	---	---	
Bromobenzene	19.1	0.250	0.500	ug/L	1	20.0	ND	95	80-120%	---	---	
Bromochloromethane	24.0	0.500	1.00	ug/L	1	20.0	ND	120	78-123%	---	---	
Bromodichloromethane	28.2	0.500	1.00	ug/L	1	20.0	ND	**141**	**79-125%**	---	---	Q-54a
Bromoform	20.3	1.00	2.00	ug/L	1	20.0	ND	102	66-130%	---	---	
Bromomethane	32.1	5.00	5.00	ug/L	1	20.0	ND	**160**	**53-141%**	---	---	E-05, Q-54d
2-Butanone (MEK)	50.0	5.00	10.0	ug/L	1	40.0	ND	125	56-143%	---	---	
n-Butylbenzene	24.1	0.500	1.00	ug/L	1	20.0	ND	120	75-128%	---	---	
sec-Butylbenzene	22.4	0.500	1.00	ug/L	1	20.0	ND	112	77-126%	---	---	
tert-Butylbenzene	19.6	0.500	1.00	ug/L	1	20.0	ND	98	78-124%	---	---	
Carbon disulfide	24.0	5.00	10.0	ug/L	1	20.0	ND	120	64-133%	---	---	E-05
Carbon tetrachloride	25.6	0.500	1.00	ug/L	1	20.0	ND	128	72-136%	---	---	
Chlorobenzene	20.7	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
Chloroethane	40.4	5.00	5.00	ug/L	1	20.0	ND	**202**	**60-138%**	---	---	E-05, Q-54g
Chloroform	23.2	0.500	1.00	ug/L	1	20.0	ND	116	79-124%	---	---	
Chloromethane	21.1	2.50	5.00	ug/L	1	20.0	ND	105	50-139%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B							**Water**					
Matrix Spike (1041139-MS1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 11:27							
QC Source Sample: Non-SDG (A1D1171-01)												
2-Chlorotoluene	20.4	0.500	1.00	ug/L	1	20.0	ND	102	79-122%	---	---	
4-Chlorotoluene	20.0	0.500	1.00	ug/L	1	20.0	ND	100	78-122%	---	---	
Dibromochloromethane	19.8	0.500	1.00	ug/L	1	20.0	ND	99	74-126%	---	---	
1,2-Dibromo-3-chloropropane	21.9	2.50	5.00	ug/L	1	20.0	ND	110	62-128%	---	---	
1,2-Dibromoethane (EDB)	20.7	0.250	0.500	ug/L	1	20.0	ND	103	77-121%	---	---	
Dibromomethane	23.8	0.500	1.00	ug/L	1	20.0	ND	119	79-123%	---	---	
1,2-Dichlorobenzene	21.6	0.250	0.500	ug/L	1	20.0	ND	108	80-120%	---	---	
1,3-Dichlorobenzene	21.4	0.250	0.500	ug/L	1	20.0	ND	107	80-120%	---	---	
1,4-Dichlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	79-120%	---	---	
Dichlorodifluoromethane	22.4	0.500	1.00	ug/L	1	20.0	ND	112	32-152%	---	---	
1,1-Dichloroethane	22.2	0.200	0.400	ug/L	1	20.0	ND	111	77-125%	---	---	
1,2-Dichloroethane (EDC)	22.5	0.200	0.400	ug/L	1	20.0	ND	112	73-128%	---	---	
1,1-Dichloroethene	21.0	0.200	0.400	ug/L	1	20.0	ND	105	71-131%	---	---	
cis-1,2-Dichloroethene	21.7	0.200	0.400	ug/L	1	20.0	ND	108	78-123%	---	---	
trans-1,2-Dichloroethene	21.6	0.200	0.400	ug/L	1	20.0	ND	108	75-124%	---	---	
1,2-Dichloropropane	24.5	0.250	0.500	ug/L	1	20.0	ND	**123**	**78-122%**	---	---	Q-01
1,3-Dichloropropane	21.8	0.500	1.00	ug/L	1	20.0	ND	109	80-120%	---	---	
2,2-Dichloropropane	26.0	0.500	1.00	ug/L	1	20.0	ND	130	60-139%	---	---	Q-54
1,1-Dichloropropene	22.7	0.500	1.00	ug/L	1	20.0	ND	113	79-125%	---	---	
cis-1,3-Dichloropropene	18.5	0.500	1.00	ug/L	1	20.0	ND	92	75-124%	---	---	
trans-1,3-Dichloropropene	21.5	1.00	2.00	ug/L	1	20.0	ND	107	73-127%	---	---	
Ethylbenzene	21.6	0.250	0.500	ug/L	1	20.0	ND	108	79-121%	---	---	
Hexachlorobutadiene	22.4	2.50	5.00	ug/L	1	20.0	ND	112	66-134%	---	---	
2-Hexanone	43.7	5.00	10.0	ug/L	1	40.0	ND	109	57-139%	---	---	
Isopropylbenzene	22.5	0.500	1.00	ug/L	1	20.0	ND	112	72-131%	---	---	
4-Isopropyltoluene	21.9	0.500	1.00	ug/L	1	20.0	ND	109	77-127%	---	---	
Methylene chloride	21.5	5.00	10.0	ug/L	1	20.0	ND	108	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	43.2	5.00	10.0	ug/L	1	40.0	ND	108	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	23.2	0.500	1.00	ug/L	1	20.0	ND	116	71-124%	---	---	
Naphthalene	19.7	1.00	2.00	ug/L	1	20.0	ND	98	61-128%	---	---	
n-Propylbenzene	21.6	0.250	0.500	ug/L	1	20.0	ND	108	76-126%	---	---	
Styrene	19.9	0.500	1.00	ug/L	1	20.0	ND	100	78-123%	---	---	
1,1,1,2-Tetrachloroethane	20.8	0.200	0.400	ug/L	1	20.0	ND	104	78-124%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1041139 - EPA 5030B							**Water**					
Matrix Spike (1041139-MS1)			Prepared: 04/30/21 08:00		Analyzed: 04/30/21 11:27							
QC Source Sample: Non-SDG (A1D1171-01)												
1,1,2,2-Tetrachloroethane	22.3	0.250	0.500	ug/L	1	20.0	ND	112	71-121%	---	---	
Tetrachloroethene (PCE)	20.5	0.200	0.400	ug/L	1	20.0	ND	103	74-129%	---	---	
Toluene	20.4	0.500	1.00	ug/L	1	20.0	ND	102	80-121%	---	---	
1,2,3-Trichlorobenzene	22.3	1.00	2.00	ug/L	1	20.0	ND	112	69-129%	---	---	
1,2,4-Trichlorobenzene	20.7	1.00	2.00	ug/L	1	20.0	ND	103	69-130%	---	---	
1,1,1-Trichloroethane	23.2	0.200	0.400	ug/L	1	20.0	ND	116	74-131%	---	---	
1,1,2-Trichloroethane	22.1	0.250	0.500	ug/L	1	20.0	ND	110	80-120%	---	---	
Trichloroethene (TCE)	22.0	0.200	0.400	ug/L	1	20.0	ND	110	79-123%	---	---	
Trichlorofluoromethane	32.8	1.00	2.00	ug/L	1	20.0	ND	**164**	**65-141%**	---	---	Q-54f
1,2,3-Trichloropropane	21.7	0.500	1.00	ug/L	1	20.0	ND	108	73-122%	---	---	
1,2,4-Trimethylbenzene	22.5	0.500	1.00	ug/L	1	20.0	ND	112	76-124%	---	---	
1,3,5-Trimethylbenzene	22.0	0.500	1.00	ug/L	1	20.0	ND	110	75-124%	---	---	
Vinyl chloride	22.6	0.200	0.400	ug/L	1	20.0	ND	113	58-137%	---	---	
m,p-Xylene	44.2	0.500	1.00	ug/L	1	40.0	ND	111	80-121%	---	---	
o-Xylene	21.7	0.250	0.500	ug/L	1	20.0	ND	109	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 109 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*91 %*		*80-120 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041149 - EPA 5030B							Water					
Blank (1041149-BLK1)			Prepared: 04/30/21 08:30 Analyzed: 04/30/21 12:02									
EPA 8260D SIM												
Benzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*			*Limits: 80-120 %*			*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*			*80-120 %*			*"*			
4-Bromofluorobenzene (Surr)			*84 %*			*80-120 %*			*"*			
LCS (1041149-BS1)			Prepared: 04/30/21 08:30 Analyzed: 04/30/21 10:46									
EPA 8260D SIM												
Benzene	0.223	0.0500	0.100	ug/L	1	0.200	---	111	80-120%	---	---	
Toluene	0.191	0.0500	0.100	ug/L	1	0.200	---	95	80-120%	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041149 - EPA 5030B							**Water**					
LCS (1041149-BS1)			Prepared: 04/30/21 08:30 Analyzed: 04/30/21 10:46									
Ethylbenzene	0.196	0.0500	0.100	ug/L	1	0.200	---	98	80-120%	---	---	
m,p-Xylene	0.379	0.100	0.200	ug/L	1	0.400	---	95	80-120%	---	---	
o-Xylene	0.183	0.0500	0.100	ug/L	1	0.200	---	91	80-120%	---	---	
1,2,4-Trimethylbenzene	0.189	0.0500	0.100	ug/L	1	0.200	---	95	80-120%	---	---	
1,3,5-Trimethylbenzene	0.193	0.0500	0.100	ug/L	1	0.200	---	97	80-120%	---	---	
Chloroform	0.235	0.0500	0.100	ug/L	1	0.200	---	118	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.274	0.100	0.200	ug/L	1	0.200	---	**137**	**80-120%**	---	---	Q-56
1,2-Dibromoethane (EDB)	0.231	0.0100	0.0200	ug/L	1	0.200	---	116	80-120%	---	---	
1,1-Dichloroethane	0.239	0.0100	0.0200	ug/L	1	0.200	---	119	80-120%	---	---	
1,2-Dichloroethane (EDC)	0.260	0.0100	0.0200	ug/L	1	0.200	---	**130**	**80-120%**	---	---	Q-56
1,1-Dichloroethene	0.192	0.0100	0.0200	ug/L	1	0.200	---	96	80-120%	---	---	
cis-1,2-Dichloroethene	0.217	0.0100	0.0200	ug/L	1	0.200	---	109	80-120%	---	---	
trans-1,2-Dichloroethene	0.216	0.0100	0.0200	ug/L	1	0.200	---	108	80-120%	---	---	
1,2-Dichloropropane	0.258	0.0100	0.0200	ug/L	1	0.200	---	**129**	**80-120%**	---	---	Q-56
cis-1,3-Dichloropropene	0.216	0.0100	0.0200	ug/L	1	0.200	---	108	80-120%	---	---	
trans-1,3-Dichloropropene	0.237	0.0100	0.0200	ug/L	1	0.200	---	119	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	0.223	0.0100	0.0200	ug/L	1	0.200	---	112	80-120%	---	---	
1,1,2,2-Tetrachloroethane	0.299	0.0100	0.0200	ug/L	1	0.200	---	**150**	**80-120%**	---	---	Q-56
Tetrachloroethene (PCE)	0.224	0.0100	0.0200	ug/L	1	0.200	---	112	80-120%	---	---	
1,1,2-Trichloroethane	0.232	0.0100	0.0200	ug/L	1	0.200	---	116	80-120%	---	---	
Trichloroethene (TCE)	0.226	0.0100	0.0200	ug/L	1	0.200	---	113	80-120%	---	---	
1,2,3-Trichloropropane	0.268	0.0500	0.100	ug/L	1	0.200	---	**134**	**80-120%**	---	---	Q-56
Vinyl chloride	0.224	0.0100	0.0200	ug/L	1	0.200	---	112	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*83 %*		*80-120 %*			*"*				
Duplicate (1041149-DUP1)			Prepared: 04/30/21 11:31 Analyzed: 04/30/21 15:09									
QC Source Sample: DUP(042421) (A1D1005-03)												
Benzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041149 - EPA 5030B							**Water**					
Duplicate (1041149-DUP1)			Prepared: 04/30/21 11:31		Analyzed: 04/30/21 15:09							
QC Source Sample: DUP(042421) (A1D1005-03)												
1,2,4-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*95 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*84 %*		*80-120 %*			*"*				
Matrix Spike (1041149-MS1)			Prepared: 04/30/21 11:31		Analyzed: 04/30/21 15:36							
QC Source Sample: DUP(042421) (A1D1005-03)												
Benzene	0.257	0.0500	0.100	ug/L	1	0.200	ND	**129**	**79-120%**	---	---	Q-01
Toluene	0.206	0.0500	0.100	ug/L	1	0.200	ND	103	80-121%	---	---	
Ethylbenzene	0.192	0.0500	0.100	ug/L	1	0.200	ND	96	79-121%	---	---	
m,p-Xylene	0.412	0.100	0.200	ug/L	1	0.400	ND	103	80-121%	---	---	
o-Xylene	0.171	0.0500	0.100	ug/L	1	0.200	ND	86	78-122%	---	---	
1,2,4-Trimethylbenzene	0.176	0.0500	0.100	ug/L	1	0.200	ND	88	76-124%	---	---	
1,3,5-Trimethylbenzene	0.180	0.0500	0.100	ug/L	1	0.200	ND	90	75-124%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041149 - EPA 5030B							**Water**					
Matrix Spike (1041149-MS1)			Prepared: 04/30/21 11:31		Analyzed: 04/30/21 15:36							
QC Source Sample: DUP(042421) (A1D1005-03)												
Chloroform	0.266	0.0500	0.100	ug/L	1	0.200	ND	**133**	**79-124%**	---	---	Q-01
1,2-Dibromo-3-chloropropane	0.199	0.100	0.200	ug/L	1	0.200	ND	99	62-128%	---	---	J, Q-54c
1,2-Dibromoethane (EDB)	0.218	0.0100	0.0200	ug/L	1	0.200	ND	109	77-121%	---	---	
1,1-Dichloroethane	0.279	0.0100	0.0200	ug/L	1	0.200	ND	**139**	**77-125%**	---	---	Q-01
1,2-Dichloroethane (EDC)	0.289	0.0100	0.0200	ug/L	1	0.200	ND	**145**	**73-128%**	---	---	Q-54
1,1-Dichloroethene	0.241	0.0100	0.0200	ug/L	1	0.200	ND	120	71-131%	---	---	
cis-1,2-Dichloroethene	0.246	0.0100	0.0200	ug/L	1	0.200	ND	123	78-123%	---	---	
trans-1,2-Dichloroethene	0.265	0.0100	0.0200	ug/L	1	0.200	ND	**132**	**75-124%**	---	---	Q-01
1,2-Dichloropropane	0.282	0.0100	0.0200	ug/L	1	0.200	ND	**141**	**78-122%**	---	---	Q-54h
cis-1,3-Dichloropropene	0.211	0.0100	0.0200	ug/L	1	0.200	ND	105	75-124%	---	---	
trans-1,3-Dichloropropene	0.214	0.0100	0.0200	ug/L	1	0.200	ND	107	73-127%	---	---	
Methyl tert-butyl ether (MTBE)	0.247	0.0100	0.0200	ug/L	1	0.200	ND	124	71-124%	---	---	
1,1,2,2-Tetrachloroethane	0.221	0.0100	0.0200	ug/L	1	0.200	ND	111	71-121%	---	---	Q-54e
Tetrachloroethene (PCE)	0.228	0.0100	0.0200	ug/L	1	0.200	ND	114	74-129%	---	---	
1,1,2-Trichloroethane	0.220	0.0100	0.0200	ug/L	1	0.200	ND	110	80-120%	---	---	
Trichloroethene (TCE)	0.239	0.0100	0.0200	ug/L	1	0.200	ND	120	79-123%	---	---	
1,2,3-Trichloropropane	0.234	0.0500	0.100	ug/L	1	0.200	ND	117	73-122%	---	---	Q-54b
Vinyl chloride	0.334	0.0100	0.0200	ug/L	1	0.200	ND	**167**	**58-137%**	---	---	Q-01
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*84 %*		*80-120 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050125 - EPA 3510C (Neutral pH)							**Water**					
Blank (1050125-BLK1)			Prepared: 05/05/21 10:05		Analyzed: 05/05/21 19:12							**C-07**
EPA 8082A												
Aroclor 1016	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 76 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS (1050125-BS1)			Prepared: 05/05/21 10:05		Analyzed: 05/05/21 19:29							**C-07**
EPA 8082A												
Aroclor 1016	0.701	0.0100	0.0200	ug/L	1	1.25	---	56	46-129%	---	---	
Aroclor 1260	0.916	0.0100	0.0200	ug/L	1	1.25	---	73	45-134%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 81 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS Dup (1050125-BSD1)			Prepared: 05/05/21 10:05		Analyzed: 05/05/21 19:47							**C-07, Q-19**
EPA 8082A												
Aroclor 1016	0.592	0.0100	0.0200	ug/L	1	1.25	---	47	46-129%	17	30%	
Aroclor 1260	0.800	0.0100	0.0200	ug/L	1	1.25	---	64	45-134%	14	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 69 %*		*Limits: 40-135 %*			*Dilution: 1x*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041137 - EPA 3510C (Acid Extraction)							Water					
Blank (1041137-BLK2)			Prepared: 04/30/21 07:23 Analyzed: 04/30/21 12:14									
EPA 8270E												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 69 %*		*Limits: 44-120 %*			*Dilution: 1x*				
2-Fluorobiphenyl (Surr)			*71 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*27 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*79 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*43 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*89 %*		*43-140 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041137 - EPA 3510C (Acid Extraction)							**Water**					
LCS (1041137-BS2)			Prepared: 04/30/21 07:23 Analyzed: 04/30/21 12:50									
EPA 8270E												
Acenaphthene	3.25	0.0400	0.0800	ug/L	4	4.00	---	81	47-122%	---	---	
Acenaphthylene	3.38	0.0400	0.0800	ug/L	4	4.00	---	85	41-130%	---	---	
Anthracene	3.44	0.0400	0.0800	ug/L	4	4.00	---	86	57-123%	---	---	
Benz(a)anthracene	3.44	0.0400	0.0800	ug/L	4	4.00	---	86	58-125%	---	---	
Benzo(a)pyrene	3.26	0.0600	0.120	ug/L	4	4.00	---	81	54-128%	---	---	
Benzo(b)fluoranthene	3.49	0.0600	0.120	ug/L	4	4.00	---	87	53-131%	---	---	
Benzo(k)fluoranthene	3.44	0.0600	0.120	ug/L	4	4.00	---	86	57-129%	---	---	
Benzo(g,h,i)perylene	3.48	0.0400	0.0800	ug/L	4	4.00	---	87	50-134%	---	---	
Chrysene	3.38	0.0400	0.0800	ug/L	4	4.00	---	85	59-123%	---	---	
Dibenz(a,h)anthracene	3.45	0.0400	0.0800	ug/L	4	4.00	---	86	51-134%	---	---	
Fluoranthene	3.48	0.0400	0.0800	ug/L	4	4.00	---	87	57-128%	---	---	
Fluorene	3.25	0.0400	0.0800	ug/L	4	4.00	---	81	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	3.39	0.0400	0.0800	ug/L	4	4.00	---	85	52-134%	---	---	
1-Methylnaphthalene	3.19	0.0800	0.160	ug/L	4	4.00	---	80	41-120%	---	---	
2-Methylnaphthalene	3.15	0.0800	0.160	ug/L	4	4.00	---	79	40-121%	---	---	
Naphthalene	2.96	0.0800	0.160	ug/L	4	4.00	---	74	40-121%	---	---	
Phenanthrene	3.27	0.0400	0.0800	ug/L	4	4.00	---	82	59-120%	---	---	
Pyrene	3.40	0.0400	0.0800	ug/L	4	4.00	---	85	57-126%	---	---	
Carbazole	3.62	0.0600	0.120	ug/L	4	4.00	---	90	60-122%	---	---	
Dibenzofuran	3.09	0.0400	0.0800	ug/L	4	4.00	---	77	53-120%	---	---	
Bis(2-ethylhexyl)phthalate	3.37	0.800	1.60	ug/L	4	4.00	---	84	55-135%	---	---	
Butyl benzyl phthalate	3.40	0.800	1.60	ug/L	4	4.00	---	85	53-134%	---	---	
Diethylphthalate	3.37	0.800	1.60	ug/L	4	4.00	---	84	56-125%	---	---	
Dimethylphthalate	3.34	0.800	1.60	ug/L	4	4.00	---	84	45-127%	---	---	
Di-n-butylphthalate	3.50	0.800	1.60	ug/L	4	4.00	---	88	59-127%	---	---	
Di-n-octyl phthalate	3.27	0.800	1.60	ug/L	4	4.00	---	82	51-140%	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 72 %*	*Limits: 44-120 %*	*Dilution: 4x*	
2-Fluorobiphenyl (Surr)	*79 %*	*44-120 %*	*"*	
Phenol-d6 (Surr)	*24 %*	*10-133 %*	*"*	
p-Terphenyl-d14 (Surr)	*80 %*	*50-134 %*	*"*	
2-Fluorophenol (Surr)	*37 %*	*19-120 %*	*"*	
2,4,6-Tribromophenol (Surr)	*92 %*	*43-140 %*	*"*	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041137 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1041137-BSD2)			Prepared: 04/30/21 07:23		Analyzed: 04/30/21 13:25							**Q-19**
EPA 8270E												
Acenaphthene	3.32	0.0400	0.0800	ug/L	4	4.00	---	83	47-122%	2	30%	
Acenaphthylene	3.45	0.0400	0.0800	ug/L	4	4.00	---	86	41-130%	2	30%	
Anthracene	3.53	0.0400	0.0800	ug/L	4	4.00	---	88	57-123%	3	30%	
Benz(a)anthracene	3.64	0.0400	0.0800	ug/L	4	4.00	---	91	58-125%	6	30%	
Benzo(a)pyrene	3.33	0.0600	0.120	ug/L	4	4.00	---	83	54-128%	2	30%	
Benzo(b)fluoranthene	3.61	0.0600	0.120	ug/L	4	4.00	---	90	53-131%	3	30%	
Benzo(k)fluoranthene	3.58	0.0600	0.120	ug/L	4	4.00	---	90	57-129%	4	30%	
Benzo(g,h,i)perylene	3.63	0.0400	0.0800	ug/L	4	4.00	---	91	50-134%	4	30%	
Chrysene	3.48	0.0400	0.0800	ug/L	4	4.00	---	87	59-123%	3	30%	
Dibenz(a,h)anthracene	3.55	0.0400	0.0800	ug/L	4	4.00	---	89	51-134%	3	30%	
Fluoranthene	3.63	0.0400	0.0800	ug/L	4	4.00	---	91	57-128%	4	30%	
Fluorene	3.36	0.0400	0.0800	ug/L	4	4.00	---	84	52-124%	3	30%	
Indeno(1,2,3-cd)pyrene	3.49	0.0400	0.0800	ug/L	4	4.00	---	87	52-134%	3	30%	
1-Methylnaphthalene	3.11	0.0800	0.160	ug/L	4	4.00	---	78	41-120%	3	30%	
2-Methylnaphthalene	3.17	0.0800	0.160	ug/L	4	4.00	---	79	40-121%	0.5	30%	
Naphthalene	2.94	0.0800	0.160	ug/L	4	4.00	---	73	40-121%	0.7	30%	
Phenanthrene	3.36	0.0400	0.0800	ug/L	4	4.00	---	84	59-120%	3	30%	
Pyrene	3.55	0.0400	0.0800	ug/L	4	4.00	---	89	57-126%	4	30%	
Carbazole	3.78	0.0600	0.120	ug/L	4	4.00	---	95	60-122%	4	30%	
Dibenzofuran	3.20	0.0400	0.0800	ug/L	4	4.00	---	80	53-120%	3	30%	
Bis(2-ethylhexyl)phthalate	3.54	0.800	1.60	ug/L	4	4.00	---	89	55-135%	5	30%	
Butyl benzyl phthalate	3.53	0.800	1.60	ug/L	4	4.00	---	88	53-134%	4	30%	
Diethylphthalate	3.47	0.800	1.60	ug/L	4	4.00	---	87	56-125%	3	30%	
Dimethylphthalate	3.44	0.800	1.60	ug/L	4	4.00	---	86	45-127%	3	30%	
Di-n-butylphthalate	3.60	0.800	1.60	ug/L	4	4.00	---	90	59-127%	3	30%	
Di-n-octyl phthalate	3.32	0.800	1.60	ug/L	4	4.00	---	83	51-140%	1	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 68 %*		*Limits: 44-120 %*			*Dilution: 4x*				
2-Fluorobiphenyl (Surr)			*81 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*23 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*84 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*38 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*93 %*		*43-140 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041177 - EPA 3510C (Acid Extraction)							**Water**					
Blank (1041177-BLK1)			Prepared: 04/30/21 14:40		Analyzed: 05/03/21 22:06							
EPA 8270E												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 76 %*		*Limits: 44-120 %*			*Dilution: 1x*				
2-Fluorobiphenyl (Surr)			*65 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*27 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*72 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*38 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*87 %*		*43-140 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041177 - EPA 3510C (Acid Extraction)							Water					
LCS (1041177-BS1)			Prepared: 04/30/21 14:40 Analyzed: 05/03/21 22:41									
EPA 8270E												
Acenaphthene	3.00	0.0400	0.0800	ug/L	4	4.00	---	75	47-122%	---	---	
Acenaphthylene	3.10	0.0400	0.0800	ug/L	4	4.00	---	77	41-130%	---	---	
Anthracene	3.18	0.0400	0.0800	ug/L	4	4.00	---	80	57-123%	---	---	
Benz(a)anthracene	3.28	0.0400	0.0800	ug/L	4	4.00	---	82	58-125%	---	---	
Benzo(a)pyrene	3.03	0.0600	0.120	ug/L	4	4.00	---	76	54-128%	---	---	
Benzo(b)fluoranthene	3.32	0.0600	0.120	ug/L	4	4.00	---	83	53-131%	---	---	
Benzo(k)fluoranthene	3.33	0.0600	0.120	ug/L	4	4.00	---	83	57-129%	---	---	
Benzo(g,h,i)perylene	3.19	0.0400	0.0800	ug/L	4	4.00	---	80	50-134%	---	---	
Chrysene	3.17	0.0400	0.0800	ug/L	4	4.00	---	79	59-123%	---	---	
Dibenz(a,h)anthracene	3.31	0.0400	0.0800	ug/L	4	4.00	---	83	51-134%	---	---	
Fluoranthene	3.28	0.0400	0.0800	ug/L	4	4.00	---	82	57-128%	---	---	
Fluorene	3.09	0.0400	0.0800	ug/L	4	4.00	---	77	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	3.19	0.0400	0.0800	ug/L	4	4.00	---	80	52-134%	---	---	
1-Methylnaphthalene	3.03	0.0800	0.160	ug/L	4	4.00	---	76	41-120%	---	---	
2-Methylnaphthalene	2.96	0.0800	0.160	ug/L	4	4.00	---	74	40-121%	---	---	
Naphthalene	2.69	0.0800	0.160	ug/L	4	4.00	---	67	40-121%	---	---	
Phenanthrene	3.04	0.0400	0.0800	ug/L	4	4.00	---	76	59-120%	---	---	
Pyrene	3.29	0.0400	0.0800	ug/L	4	4.00	---	82	57-126%	---	---	
Carbazole	3.36	0.0600	0.120	ug/L	4	4.00	---	84	60-122%	---	---	
Dibenzofuran	2.94	0.0400	0.0800	ug/L	4	4.00	---	74	53-120%	---	---	
Bis(2-ethylhexyl)phthalate	3.32	0.800	1.60	ug/L	4	4.00	---	83	55-135%	---	---	
Butyl benzyl phthalate	3.31	0.800	1.60	ug/L	4	4.00	---	83	53-134%	---	---	
Diethylphthalate	3.25	0.800	1.60	ug/L	4	4.00	---	81	56-125%	---	---	
Dimethylphthalate	3.20	0.800	1.60	ug/L	4	4.00	---	80	45-127%	---	---	
Di-n-butylphthalate	3.42	0.800	1.60	ug/L	4	4.00	---	85	59-127%	---	---	
Di-n-octyl phthalate	3.38	0.800	1.60	ug/L	4	4.00	---	85	51-140%	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 82 %*	*Limits: 44-120 %*	*Dilution: 4x*
2-Fluorobiphenyl (Surr)	*79 %*	*44-120 %*	*"*
Phenol-d6 (Surr)	*31 %*	*10-133 %*	*"*
p-Terphenyl-d14 (Surr)	*82 %*	*50-134 %*	*"*
2-Fluorophenol (Surr)	*42 %*	*19-120 %*	*"*
2,4,6-Tribromophenol (Surr)	*94 %*	*43-140 %*	*"*

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1041177 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1041177-BSD1)			Prepared: 04/30/21 14:40		Analyzed: 05/03/21 23:17							Q-19
EPA 8270E												
Acenaphthene	3.12	0.0400	0.0800	ug/L	4	4.00	---	78	47-122%	4	30%	
Acenaphthylene	3.16	0.0400	0.0800	ug/L	4	4.00	---	79	41-130%	2	30%	
Anthracene	3.24	0.0400	0.0800	ug/L	4	4.00	---	81	57-123%	2	30%	
Benz(a)anthracene	3.32	0.0400	0.0800	ug/L	4	4.00	---	83	58-125%	1	30%	
Benzo(a)pyrene	3.13	0.0600	0.120	ug/L	4	4.00	---	78	54-128%	3	30%	
Benzo(b)fluoranthene	3.35	0.0600	0.120	ug/L	4	4.00	---	84	53-131%	1	30%	
Benzo(k)fluoranthene	3.40	0.0600	0.120	ug/L	4	4.00	---	85	57-129%	2	30%	
Benzo(g,h,i)perylene	3.12	0.0400	0.0800	ug/L	4	4.00	---	78	50-134%	2	30%	
Chrysene	3.23	0.0400	0.0800	ug/L	4	4.00	---	81	59-123%	2	30%	
Dibenz(a,h)anthracene	3.32	0.0400	0.0800	ug/L	4	4.00	---	83	51-134%	0.2	30%	
Fluoranthene	3.44	0.0400	0.0800	ug/L	4	4.00	---	86	57-128%	5	30%	
Fluorene	3.17	0.0400	0.0800	ug/L	4	4.00	---	79	52-124%	3	30%	
Indeno(1,2,3-cd)pyrene	3.19	0.0400	0.0800	ug/L	4	4.00	---	80	52-134%	0.05	30%	
1-Methylnaphthalene	3.20	0.0800	0.160	ug/L	4	4.00	---	80	41-120%	6	30%	
2-Methylnaphthalene	3.21	0.0800	0.160	ug/L	4	4.00	---	80	40-121%	8	30%	
Naphthalene	2.84	0.0800	0.160	ug/L	4	4.00	---	71	40-121%	6	30%	
Phenanthrene	3.13	0.0400	0.0800	ug/L	4	4.00	---	78	59-120%	3	30%	
Pyrene	3.42	0.0400	0.0800	ug/L	4	4.00	---	86	57-126%	4	30%	
Carbazole	3.45	0.0600	0.120	ug/L	4	4.00	---	86	60-122%	3	30%	
Dibenzofuran	3.06	0.0400	0.0800	ug/L	4	4.00	---	77	53-120%	4	30%	
Bis(2-ethylhexyl)phthalate	3.30	0.800	1.60	ug/L	4	4.00	---	82	55-135%	0.6	30%	
Butyl benzyl phthalate	3.32	0.800	1.60	ug/L	4	4.00	---	83	53-134%	0.3	30%	
Diethylphthalate	3.31	0.800	1.60	ug/L	4	4.00	---	83	56-125%	2	30%	
Dimethylphthalate	3.28	0.800	1.60	ug/L	4	4.00	---	82	45-127%	3	30%	
Di-n-butylphthalate	3.45	0.800	1.60	ug/L	4	4.00	---	86	59-127%	0.9	30%	
Di-n-octyl phthalate	3.42	0.800	1.60	ug/L	4	4.00	---	85	51-140%	1	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 83 %*		*Limits: 44-120 %*			*Dilution: 4x*				
2-Fluorobiphenyl (Surr)			*75 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*30 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*79 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*41 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*91 %*		*43-140 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050197 - EPA 3015A							**Water**					
Blank (1050197-BLK1)			Prepared: 05/06/21 14:53		Analyzed: 05/06/21 17:45							
EPA 200.8												
Arsenic	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	ug/L	1	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
LCS (1050197-BS1)			Prepared: 05/06/21 14:53		Analyzed: 05/06/21 17:50							
EPA 200.8												
Arsenic	57.8	0.500	1.00	ug/L	1	55.6	---	104	85-115%	---	---	
Cadmium	57.0	0.100	0.200	ug/L	1	55.6	---	103	85-115%	---	---	
Chromium	56.6	0.500	1.00	ug/L	1	55.6	---	102	85-115%	---	---	
Mercury	1.13	0.0400	0.0800	ug/L	1	1.11	---	102	85-115%	---	---	
Zinc	57.5	2.00	4.00	ug/L	1	55.6	---	103	85-115%	---	---	
Duplicate (1050197-DUP1)			Prepared: 05/06/21 14:53		Analyzed: 05/06/21 18:14							
QC Source Sample: Non-SDG (A1D0966-08)												
Arsenic	**1.69**	0.500	1.00	ug/L	1	---	1.74	---	---	3	20%	
Cadmium	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Chromium	**4.58**	0.500	1.00	ug/L	1	---	4.51	---	---	2	20%	
Mercury	ND	0.0400	0.0800	ug/L	1	---	ND	---	---	---	20%	
Zinc	**25.0**	2.00	4.00	ug/L	1	---	25.1	---	---	0.5	20%	
Matrix Spike (1050197-MS1)			Prepared: 05/06/21 14:53		Analyzed: 05/06/21 18:19							
QC Source Sample: Non-SDG (A1D0966-08)												
EPA 200.8												
Arsenic	59.3	0.500	1.00	ug/L	1	55.6	1.74	104	70-130%	---	---	
Cadmium	57.3	0.100	0.200	ug/L	1	55.6	ND	103	70-130%	---	---	
Chromium	59.8	0.500	1.00	ug/L	1	55.6	4.51	100	70-130%	---	---	
Mercury	1.11	0.0400	0.0800	ug/L	1	1.11	ND	100	70-130%	---	---	
Zinc	80.6	2.00	4.00	ug/L	1	55.6	25.1	100	70-130%	---	---	
Matrix Spike (1050197-MS2)			Prepared: 05/06/21 14:53		Analyzed: 05/06/21 18:29							

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050197 - EPA 3015A							**Water**					
Matrix Spike (1050197-MS2)			Prepared: 05/06/21 14:53		Analyzed: 05/06/21 18:29							
QC Source Sample: Non-SDG (A1D0967-01)												
EPA 200.8												
Arsenic	58.2	0.500	1.00	ug/L	1	55.6	0.574	104	70-130%	---	---	
Cadmium	56.6	0.100	0.200	ug/L	1	55.6	0.106	102	70-130%	---	---	
Chromium	59.5	0.500	1.00	ug/L	1	55.6	3.75	100	70-130%	---	---	
Mercury	1.12	0.0400	0.0800	ug/L	1	1.11	ND	100	70-130%	---	---	
Zinc	260	2.00	4.00	ug/L	1	55.6	205	99	70-130%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050526 - EPA 3015A							**Water**					
Blank (1050526-BLK1)			Prepared: 05/14/21 15:03		Analyzed: 05/19/21 16:13							
EPA 200.8-LL												
Arsenic	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.0250	0.0500	ug/L	1	---	---	---	---	---	---	
LCS (1050526-BS1)			Prepared: 05/14/21 15:03		Analyzed: 05/19/21 16:20							
EPA 200.8-LL												
Arsenic	5.76	0.0500	0.100	ug/L	1	5.56	---	104	85-115%	---	---	
Cadmium	5.43	0.0250	0.0500	ug/L	1	5.56	---	98	85-115%	---	---	
Duplicate (1050526-DUP1)			Prepared: 05/14/21 15:03		Analyzed: 05/19/21 16:55							
QC Source Sample: Non-SDG (A1D1024-03)												
Arsenic	**0.426**	0.0500	0.100	ug/L	1	---	0.426	---	---	0.09	20%	
Cadmium	**0.0583**	0.0250	0.0500	ug/L	1	---	0.0474	---	---	**21**	**20%**	Q-05
Matrix Spike (1050526-MS1)			Prepared: 05/14/21 15:03		Analyzed: 05/19/21 17:02							
QC Source Sample: Non-SDG (A1D1024-03)												
EPA 200.8-LL												
Arsenic	6.13	0.0500	0.100	ug/L	1	5.56	0.426	103	70-130%	---	---	
Cadmium	5.62	0.0250	0.0500	ug/L	1	5.56	0.0474	100	70-130%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040974 - Total Suspended Solids								Water				
Blank (1040974-BLK1)			Prepared: 04/27/21 09:18		Analyzed: 04/29/21 09:21							
SM 2540 D												
Total Suspended Solids	ND	5.00	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (1040974-DUP1)			Prepared: 04/27/21 09:18		Analyzed: 04/29/21 09:21							
QC Source Sample: Non-SDG (A1D0984-01)												
Total Suspended Solids	ND	5.00	5.00	mg/L	1	---	ND	---	---	---	10%	
Duplicate (1040974-DUP2)			Prepared: 04/27/21 09:18		Analyzed: 04/29/21 09:21							
QC Source Sample: Non-SDG (A1D1013-02)												
Total Suspended Solids	ND	5.00	5.00	mg/L	1	---	ND	---	---	---	10%	
Reference (1040974-SRM1)			Prepared: 04/27/21 09:18		Analyzed: 04/29/21 09:21							
SM 2540 D												
Total Suspended Solids	945			mg/L	1	951		99	87-116%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1041169							
A1D1005-01RE1	Water	NWTPH-Dx	04/24/21 05:45	04/30/21 14:42	1020mL/5mL	1000mL/5mL	0.98
A1D1005-02RE1	Water	NWTPH-Dx	04/24/21 06:15	04/30/21 14:42	1040mL/5mL	1000mL/5mL	0.96
A1D1005-03RE1	Water	NWTPH-Dx	04/24/21 05:50	04/30/21 14:42	1040mL/5mL	1000mL/5mL	0.96

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: 1041086							
A1D1005-01	Water	NWTPH-Gx (MS)	04/24/21 05:45	04/29/21 09:00	5mL/5mL	5mL/5mL	1.00
Batch: 1041139							
A1D1005-02RE1	Water	NWTPH-Gx (MS)	04/24/21 06:15	04/30/21 09:32	5mL/5mL	5mL/5mL	1.00
A1D1005-03RE1	Water	NWTPH-Gx (MS)	04/24/21 05:50	04/30/21 09:32	5mL/5mL	5mL/5mL	1.00

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: 1041086							
A1D1005-01	Water	EPA 8260D	04/24/21 05:45	04/29/21 09:00	5mL/5mL	5mL/5mL	1.00
Batch: 1041139							
A1D1005-02RE1	Water	EPA 8260D	04/24/21 06:15	04/30/21 09:32	5mL/5mL	5mL/5mL	1.00
A1D1005-03RE1	Water	EPA 8260D	04/24/21 05:50	04/30/21 09:32	5mL/5mL	5mL/5mL	1.00

Volatile Organic Compounds by EPA 8260D SIM

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1041149							
A1D1005-01	Water	EPA 8260D SIM	04/24/21 05:45	04/30/21 11:31	5mL/5mL	5mL/5mL	1.00
A1D1005-02	Water	EPA 8260D SIM	04/24/21 06:15	04/30/21 11:31	5mL/5mL	5mL/5mL	1.00
A1D1005-03	Water	EPA 8260D SIM	04/24/21 05:50	04/30/21 11:31	5mL/5mL	5mL/5mL	1.00
A1D1005-04	Water	EPA 8260D SIM	04/24/21 00:00	04/30/21 11:31	5mL/5mL	5mL/5mL	1.00
A1D1005-05	Water	EPA 8260D SIM	04/24/21 00:00	04/30/21 11:31	5mL/5mL	5mL/5mL	1.00
A1D1005-06	Water	EPA 8260D SIM	04/24/21 00:00	04/30/21 11:31	5mL/5mL	5mL/5mL	1.00

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1D1005 - 05 24 21 1104

SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260D SIM

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050125							
A1D1005-01	Water	EPA 8082A	04/24/21 05:45	05/05/21 10:05	1060mL/2mL	1000mL/2mL	0.94
A1D1005-02	Water	EPA 8082A	04/24/21 06:15	05/05/21 10:05	1060mL/2mL	1000mL/2mL	0.94
A1D1005-03	Water	EPA 8082A	04/24/21 05:50	05/05/21 10:05	1060mL/2mL	1000mL/2mL	0.94

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1041137							
A1D1005-01	Water	EPA 8270E	04/24/21 05:45	04/30/21 09:10	1060mL/1mL	1000mL/1mL	0.94
A1D1005-02RE1	Water	EPA 8270E	04/24/21 06:15	04/30/21 09:10	1030mL/1mL	1000mL/1mL	0.97
Batch: 1041177							
A1D1005-03RE1	Water	EPA 8270E	04/24/21 05:50	04/30/21 14:40	1030mL/1mL	1000mL/1mL	0.97

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050197							
A1D1005-01	Water	EPA 200.8	04/24/21 05:45	05/06/21 14:53	45mL/50mL	45mL/50mL	1.00
A1D1005-02	Water	EPA 200.8	04/24/21 06:15	05/06/21 14:53	45mL/50mL	45mL/50mL	1.00
A1D1005-03	Water	EPA 200.8	04/24/21 05:50	05/06/21 14:53	45mL/50mL	45mL/50mL	1.00

Total Metals by EPA 200.8 (ICPMS) - Low Level

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050526							
A1D1005-01	Water	EPA 200.8-LL	04/24/21 05:45	05/14/21 15:03	45mL/50mL	45mL/50mL	1.00
A1D1005-03	Water	EPA 200.8-LL	04/24/21 05:50	05/14/21 15:03	45mL/50mL	45mL/50mL	1.00

Solid and Moisture Determinations

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Suspended Solids

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040974							
A1D1005-01	Water	SM 2540 D	04/24/21 05:45	04/27/21 09:18			NA
A1D1005-02	Water	SM 2540 D	04/24/21 06:15	04/27/21 09:18			NA
A1D1005-03	Water	SM 2540 D	04/24/21 05:50	04/27/21 09:18			NA

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project:	**Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number:	**BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager:	**Kyle Haggart**	**A1D1005 - 05 24 21 1104**

QUALIFIER DEFINITIONS

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

Apex Laboratories

C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
E-05	Estimated Result. Initial Calibration Verification (ICV) failed high. No affect on non-detect results.
EST	Result reported as an Estimated Value. Inital Calibration Verification Standard (ICV) failed low
ESTa	Result reported as an Estimated Value. Initial Calibration Verification Standard (ICV) failed low
F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
F-24	The chromatographic pattern does not resemble the fuel standard used for quantitation. The Diesel result represents carbon range C12 to C24, and the Oil result represents >C24 to C40.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +10%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +11%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +14%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +17%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +28%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +30%. The results are reported as Estimated Values.
Q-54f	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +31%. The results are reported as Estimated Values.
Q-54g	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +68%. The results are reported as Estimated Values.
Q-54h	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +9%. The results are reported as Estimated Values.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project:	**Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number:	**BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager:	**Kyle Haggart**	**A1D1005 - 05 24 21 1104**

Q-54i	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -11%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
R-04	Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
S-06	Surrogate recovery is outside of established control limits.
T-02	This Batch QC sample was analyzed outside of the method specified 12 hour analysis window. Results are estimated.
V-01	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

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.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

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

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

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.

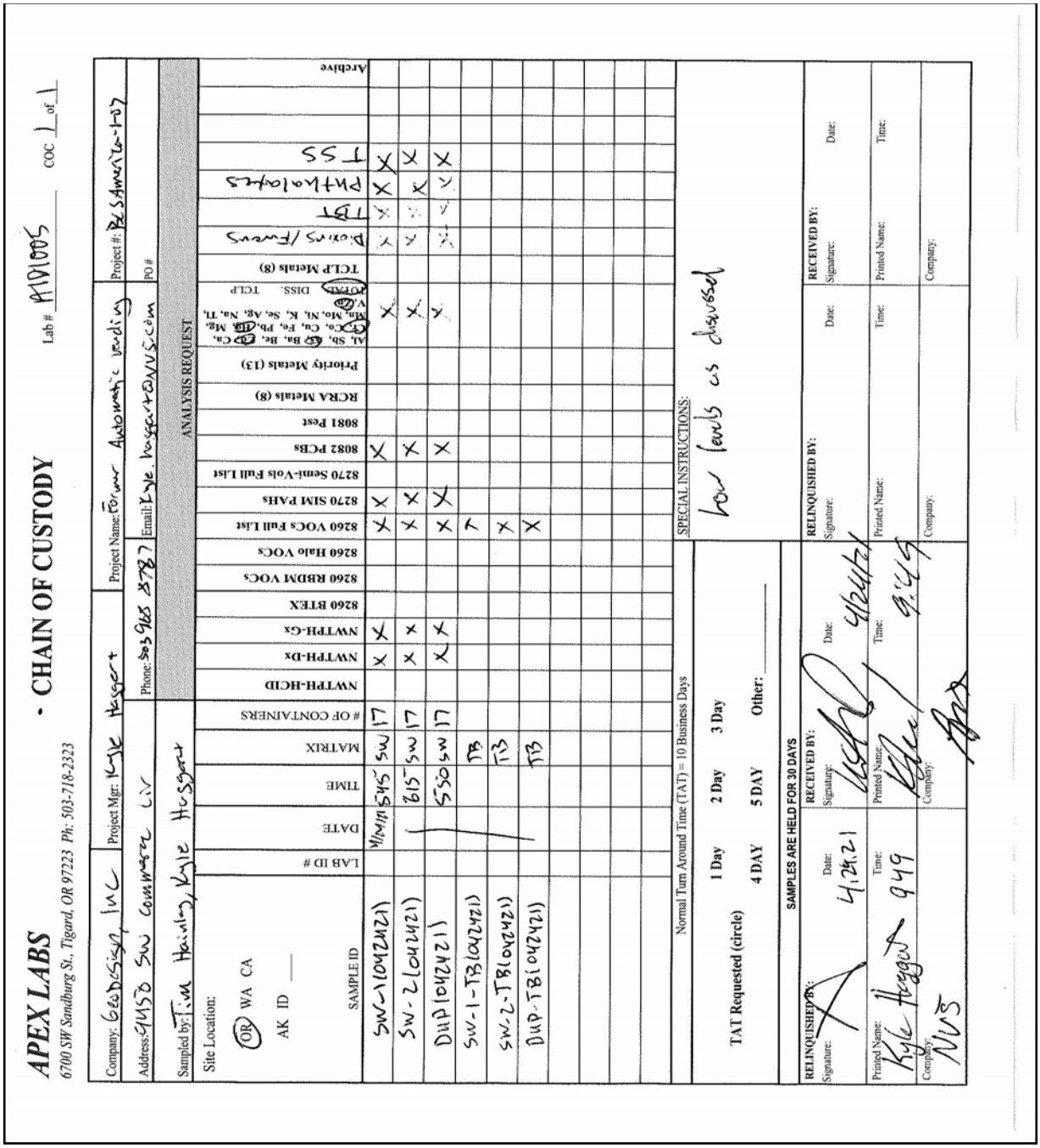
Field Testing Parameters

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

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**



APEX LABS · **CHAIN OF CUSTODY**

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

Lab # A1D1005 COC 1 of 1

Company: GeoDesign, Inc | Project Mgr: Kyle Haggart | Project Name: Former Automatic Vending | Project #: BCSAmerica-1-02

Address: 9450 SW Commerce Cir | Phone: 503 968 8787 | Email: kyle.haggart@aps.com | PO #

Sampled by: Tim Heinlen, Kyle Haggart

Site Location: (OR) WA CA AK ID ____

ANALYSIS REQUEST

SAMPLE ID	LAB 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 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Pictures/Flows	TBT	Phthalates	TSS	Archive
SW-1 (04.24.21)		4/24/21	0945	SW	17		X	X				X	X		X				X			X	X	
SW-2 (04.24.21)			0815	SW	17		X	X				X	X		X				X			X	X	
DUP (04.24.21)			0930	SW	17		X	X				X	X		X				X			X	X	
SW-1-TB (04.24.21)				TB								X												
SW-2-TB (04.24.21)				TB								X												
DUP-TB (04.24.21)				TB								X												

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ____

SPECIAL INSTRUCTIONS: Low levels as discussed

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 4.24.21	Date: 4/24/21	Date:	Date:
Time: 949	Time: 9:45	Time:	Time:
Printed Name: Kyle Haggart	Printed Name:	Printed Name:	Printed Name:
Company: NWS	Company:	Company:	Company:

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1D1005 - 05 24 21 1104**

APEX LABS COOLER RECEIPT FORM

Client: Geodesign Element WO#: A1 D1005

Project/Project #: Former Automatic Vending / BCS America-1-02 acceptable

Delivery Info:

Date/time received: 4/24/21 @ 9:49 By: MS

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

Cooler Inspection Date/time inspected: 4/24/21 @ 9:49 By: MS

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)	5.3	3.3	4.1				
Received on ice? (Y/N)	Y	Y	Y				
Temp. blanks? (Y/N)	Y	Y	Y				
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: 4/26/21 @ 1443 By: AKF

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes ___ No X Comments: DUP (042421) 16 Cont's. received, 17 on COC. TB's #2703. SW-2(042421) ID on 18 UP Ambers reads SW-2(042421).

COC/container discrepancies form initiated? Yes ___ No X

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

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

Comments SW-1-TB 2 1/2 HS, SW-2-TB 1/2 HS

Water samples: pH checked: Yes X No___ NA___ pH appropriate? Yes X No___ NA___

Comments: ___

Additional information: ___

Labeled by: AKF Witness: MS Cooler Inspected by: MS

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-57689-1
Client Project/Site: A1D1005

For:
Apex Laboratories LLC
6700 SW Sandburg St.
Tigard, Oregon 97223

Attn: Philip Nerenberg

Authorized for release by:
5/12/2021 4:51:01 PM

Lori Thompson, Project Manager I
(714)895-5494
Lori.Thompson@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 15

Definitions/Glossary

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-57689-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-57689-1

Comments
No additional comments.

Receipt
The samples were received on 4/28/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS Semi VOA
Method Organotins SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-147233 and analytical batch 570-148960 recovered outside control limits for the following analyte: Monobutyltin. Both percent recoveries were within passing QC limits.

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

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

Detection Summary

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

Client Sample ID: SW-1(042421) — Lab Sample ID: 570-57689-1

No Detections.

Client Sample ID: SW-2(042421) — Lab Sample ID: 570-57689-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibutyltin	24		2.9	1.7	ng/L	1		Organotins SIM	Total/NA

Client Sample ID: DUP(042421) — Lab Sample ID: 570-57689-3

No Detections.

This Detection Summary does not include radiochemical test results.

Method: Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: SW-1(042421)
Date Collected: 04/24/21 05:45
Date Received: 04/28/21 10:30

Lab Sample ID: 570-57689-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.0	1.9	ng/L		04/30/21 11:09	05/10/21 16:36	1
Tributyltin	ND		3.0	1.4	ng/L		04/30/21 11:09	05/10/21 16:36	1
Dibutyltin	ND		3.0	1.8	ng/L		04/30/21 11:09	05/10/21 16:36	1
Monobutyltin	ND	*1	3.0	2.4	ng/L		04/30/21 11:09	05/10/21 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*60*		*10 - 120*	*04/30/21 11:09*	*05/10/21 16:36*	*1*

Client Sample ID: SW-2(042421)
Date Collected: 04/24/21 06:15
Date Received: 04/28/21 10:30

Lab Sample ID: 570-57689-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		2.9	1.9	ng/L		04/30/21 11:09	05/10/21 16:53	1
Tributyltin	ND		2.9	1.3	ng/L		04/30/21 11:09	05/10/21 16:53	1
Dibutyltin	**24**		2.9	1.7	ng/L		04/30/21 11:09	05/10/21 16:53	1
Monobutyltin	ND	*1	2.9	2.3	ng/L		04/30/21 11:09	05/10/21 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*48*		*10 - 120*	*04/30/21 11:09*	*05/10/21 16:53*	*1*

Client Sample ID: DUP(042421)
Date Collected: 04/24/21 05:50
Date Received: 04/28/21 10:30

Lab Sample ID: 570-57689-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.0	2.0	ng/L		04/30/21 11:09	05/10/21 17:11	1
Tributyltin	ND		3.0	1.4	ng/L		04/30/21 11:09	05/10/21 17:11	1
Dibutyltin	ND		3.0	1.8	ng/L		04/30/21 11:09	05/10/21 17:11	1
Monobutyltin	ND	*1	3.0	2.4	ng/L		04/30/21 11:09	05/10/21 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*55*		*10 - 120*	*04/30/21 11:09*	*05/10/21 17:11*	*1*

Surrogate Summary

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TPTT (10-120)							
570-57689-1	SW-1(042421)	60							
570-57689-2	SW-2(042421)	48							
570-57689-3	DUP(042421)	55							
LCS 570-147233/2-A	Lab Control Sample	71							
LCSD 570-147233/3-A	Lab Control Sample Dup	80							
MB 570-147233/1-A	Method Blank	86							

Surrogate Legend

TPTT = Tripentyltin

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-147233/1-A
Matrix: Water
Analysis Batch: 148960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 147233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.0	1.9	ng/L		04/30/21 11:09	05/10/21 15:41	1
Tributyltin	ND		3.0	1.4	ng/L		04/30/21 11:09	05/10/21 15:41	1
Dibutyltin	ND		3.0	1.8	ng/L		04/30/21 11:09	05/10/21 15:41	1
Monobutyltin	ND		3.0	2.4	ng/L		04/30/21 11:09	05/10/21 15:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*86*		*10 - 120*	*04/30/21 11:09*	*05/10/21 15:41*	*1*

Lab Sample ID: LCS 570-147233/2-A
Matrix: Water
Analysis Batch: 148960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 147233

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrabutyltin			200	178.5		ng/L		89	21 - 124		
Tributyltin			200	132.9		ng/L		66	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*71*		*10 - 120*

Lab Sample ID: LCSD 570-147233/3-A
Matrix: Water
Analysis Batch: 148960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 147233

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrabutyltin			200	171.8		ng/L		86	21 - 124	4	30
Tributyltin			200	148.8		ng/L		74	10 - 120	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*80*		*10 - 120*

QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

GC/MS Semi VOA

Prep Batch: 147233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-57689-1	SW-1(042421)	Total/NA	Water	Organotin	
570-57689-2	SW-2(042421)	Total/NA	Water	Organotin	
570-57689-3	DUP(042421)	Total/NA	Water	Organotin	
MB 570-147233/1-A	Method Blank	Total/NA	Water	Organotin	
LCS 570-147233/2-A	Lab Control Sample	Total/NA	Water	Organotin	
LCSD 570-147233/3-A	Lab Control Sample Dup	Total/NA	Water	Organotin	

Analysis Batch: 148960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-57689-1	SW-1(042421)	Total/NA	Water	Organotins SIM	147233
570-57689-2	SW-2(042421)	Total/NA	Water	Organotins SIM	147233
570-57689-3	DUP(042421)	Total/NA	Water	Organotins SIM	147233
MB 570-147233/1-A	Method Blank	Total/NA	Water	Organotins SIM	147233
LCS 570-147233/2-A	Lab Control Sample	Total/NA	Water	Organotins SIM	147233
LCSD 570-147233/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins SIM	147233

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

Client Sample ID: SW-1(042421)

Lab Sample ID: 570-57689-1

Date Collected: 04/24/21 05:45

Matrix: Water

Date Received: 04/28/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			995.3 mL	1 mL	147233	04/30/21 11:09	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			148960	05/10/21 16:36	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: SW-2(042421)

Lab Sample ID: 570-57689-2

Date Collected: 04/24/21 06:15

Matrix: Water

Date Received: 04/28/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1028.6 mL	1 mL	147233	04/30/21 11:09	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			148960	05/10/21 16:53	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: DUP(042421)

Lab Sample ID: 570-57689-3

Date Collected: 04/24/21 05:50

Matrix: Water

Date Received: 04/28/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			992.3 mL	1 mL	147233	04/30/21 11:09	UWEZ	ECL 1
Total/NA	Analysis	Organotins SIM		1			148960	05/10/21 17:11	AJ2Q	ECL 1
	Instrument ID: GCMSY									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

Laboratory: Eurofins Calscience LLC

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

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
Organotins SIM	Organotin	Water	Dibutyltin
Organotins SIM	Organotin	Water	Monobutyltin
Organotins SIM	Organotin	Water	Tetrabutyltin
Organotins SIM	Organotin	Water	Tributyltin

Washington	State	C916-18	10-11-21

Method Summary

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	ECL 1
Organotin	Extraction (Organotins)	WRC	ECL 1

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

WRC = WRC Notebook 11431-39, ICI America's Western Research Center May, 1989.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Apex Laboratories LLC
Project/Site: A1D1005

Job ID: 570-57689-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-57689-1	SW-1(042421)	Water	04/24/21 05:45	04/28/21 10:30	
570-57689-2	SW-2(042421)	Water	04/24/21 06:15	04/28/21 10:30	
570-57689-3	DUP(042421)	Water	04/24/21 05:50	04/28/21 10:30	

57689

SUBCONTRACT ORDER

Apex Laboratories TM

A1D1005

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Eurofins_CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone (714) 895-5494
Fax: (714) 894-7501

Sample Name: SW-1(042421) **Water** **Sampled: 04/24/21 05:45** (A1D1005-01)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	05/12/21 17:00	05/08/21 05:45	
Containers Supplied:			
(P)1 L Amber Glass - Non Preserved			
(Q)1 L Amber Glass - Non Preserved			

ID on 1/8 UP Ambers reads SW-2(042121).

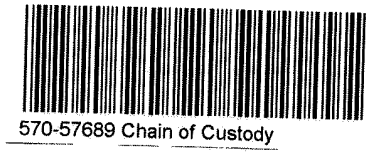
Sample Name: SW-2(042421) **Water** **Sampled: 04/24/21 06:15** (A1D1005-02)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	05/12/21 17:00	05/08/21 06:15	
Containers Supplied:			
(P)1 L Amber Glass - Non Preserved			
(Q)1 L Amber Glass - Non Preserved			

16 Conts. received, 17 on CoC.

Sample Name: DUP(042421) **Water** **Sampled: 04/24/21 05:50** (A1D1005-03)

Analysis	Due	Expires	Comments
TBT, Butyl Tins (4) (Sub)	05/12/21 17:00	05/08/21 05:50	
Containers Supplied:			
(O)1 L Amber Glass - Non Preserved			
(P)1 L Amber Glass - Non Preserved			


570-57689 Chain of Custody

Standard TAT

Released By [signature] Date 4/27/21 Fed Ex (Shipper) Received By Date

Released By Fed Ex (Shipper) Date Received By [signature] Date 4/28/21 10:10

1-3 / 1-7 SCS

Login Sample Receipt Checklist

Client: Apex Laboratories LLC

Job Number: 570-57689-1

Login Number: 57689
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421
www.capefearanalytical.com

May 06, 2021

Mr. Philip Nerenberg
Apex Laboratories
6700 SW Sandburg Street
Portland, Oregon 97223

Re: DXN & PCB Subcontract
Work Order: 18042
SDG: A1D1005

Dear Mr. Nerenberg:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 28, 2021. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421.

Sincerely,

Cynde Larkins

Cynde Larkins
Project Manager

Enclosures

problem solved

SUBCONTRACT ORDER

Apex Laboratories

A1D1005

CFA WO #18042

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Cape Fear Analytical, LLC
3306 Kitty Hawk Rd Suite 120
Wilmington, NC 28405
Phone :(910) 795-0421
Fax: -

Sample Name: SW-1(042421) **Water** **Sampled: 04/24/21 05:45** (A1D1005-01)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	05/12/21 17:00	04/24/22 05:45	
Containers Supplied:			
(N)1 L Amber Glass - Non Preserved			
(O)1 L Amber Glass - Non Preserved			

ID on 1/8 UP Ambers reads SW-2(042121).

Sample Name: SW-2(042421) **Water** **Sampled: 04/24/21 06:15** (A1D1005-02)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	05/12/21 17:00	04/24/22 06:15	
Containers Supplied:			
(N)1 L Amber Glass - Non Preserved			
(O)1 L Amber Glass - Non Preserved			

16 Conts. received, 17 on CoC.

Sample Name: DUP(042421) **Water** **Sampled: 04/24/21 05:50** (A1D1005-03)

Analysis	Due	Expires	Comments
1613B Dioxins and Furans (SUB)	05/12/21 17:00	04/24/22 05:50	
Containers Supplied:			
(M)1 L Amber Glass - Non Preserved			
(N)1 L Amber Glass - Non Preserved			

Standard TAT

temp. = 3.3°

Released By	Date	Received By	Date
	4/21/21	Fed Ex (Shipper)	
Fed Ex (Shipper)			
Released By	Date	Received By	Date
			4/28/21 11:40

SAMPLE RECEIPT CHECKLIST

Cape Fear Analytical

Client: Apex	Work Order: 18042
Shipping Company: FedEx	Date/Time Received: 4/23/21 11:40

Suspected Hazard Information	Yes	NA	No
Shipped as DOT Hazardous?			✓
Samples identified as Foreign Soil?			✓

DOE Site Sample Packages	Yes	NA	No*
Screened <0.5 mR/hr?		✓	
Samples < 2x background?		✓	

* Notify RSO of any responses in this column immediately.

Air Sample Receipt Specifics	Yes	NA	No
Air sample in shipment?			✓

Air Witness: _____

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other(describe)
2	Custody seal/s present on cooler?			✓	Seal intact? Yes No
3	Chain of Custody documents included with shipment?	✓			
4	Samples requiring cold preservation within 0-6°C?	✓			Preservation Method: Temperature Blank present: Yes (No) Ice bags loose ice blue ice dry ice none other (describe) 3.4-0.1 = 3.3
5	Aqueous samples found to have visible solids?	✓			Sample IDs, containers affected: all - minimal solids
5	Samples requiring chemical preservation at proper pH?	✓			Sample IDs, containers affected and pH observed: all - pH<6 If preservative added, Lot#:
7	Samples requiring preservation have no residual chlorine?	✓			Sample IDs, containers affected: If preservative added, Lot#:
8	Samples received within holding time?	✓			Sample IDs, tests affected:
9	Sample IDs on COC match IDs on containers?	✓			Sample IDs, containers affected:
10	Date & time of COC match date & time on containers?	✓			Sample IDs, containers affected:
11	Number of containers received match number indicated on COC?	✓			List type and number of containers / Sample IDs, containers affected: received 6 - 1L NM amber
12	COC form is properly signed in relinquished/received sections?	✓			

Comments:

Checklist performed by: Initials: MO Date: 4/23/21

High Resolution Dioxins and Furans Analysis

Case Narrative

HDOX Case Narrative
Apex Laboratories (APEX)
SDG A1D1005
Work Order 18042

Method/Analysis Information

Product:	**Dioxins/Furans by EPA Method 1613B in Liquids**
Analytical Method:	EPA Method 1613B
Extraction Method:	SW846 3520C
Analytical Batch Number:	46722
Clean Up Batch Number:	46719
Extraction Batch Number:	46718

Sample Analysis

Samples were received at 3.3°C. (18042001,18042002,18042003).
The following samples were analyzed using the analytical protocol as established in EPA Method 1613B:

Sample ID	Client ID
12029194	Method Blank (MB)
12029195	Laboratory Control Sample (LCS)
12029196	Laboratory Control Sample Duplicate (LCSD)
18042001	SW-1(042421)
18042002	SW-2(042421)
18042003	DUP(042421)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-002 REV# 20.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

Calibration Information

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

Quality Control (QC) Information

Certification Statement
The test results presented in this document are certified to meet all requirements of the 2009 TNI Standard.

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery
The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement
The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation
A matrix spike and matrix spike duplicate analysis was not required for this SDG.

Technical Information

Receipt Temperature
Samples were received within temperature requirements.

Holding Time Specifications
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Nonconformance (NCR) Documentation
A NCR was not required for this SDG.

Manual Integrations
Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction. Manual integrations were required for data files in this SDG.

System Configuration

This analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description
HRP763_1	Primary Dioxin Analysis	Dioxin Analysis	DB-5MS	60m x 0.25mm, 0.25um

Sample Data Summary

Cape Fear Analytical, LLC

3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

Qualifier Definition Report
for

APEX001 Apex Laboratories

Client SDG: A1D1005 CFA Work Order: 18042

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for, but not detected above the specified detection limit.

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

Signature: **Name: Erin Suhrie**

Date: 06 MAY 2021 **Title: Data Validator**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18042001**	**Date Collected:**	**04/24/2021 05:45**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**04/28/2021 11:40**		
Client ID:	**SW-1(042421)**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**05/01/2021 01:32**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-6**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1029 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	2.02	pg/L	2.02	9.72
40321-76-4	1,2,3,7,8-PeCDD	U	1.68	pg/L	1.68	48.6
39227-28-6	1,2,3,4,7,8-HxCDD	U	2.95	pg/L	2.95	48.6
57653-85-7	1,2,3,6,7,8-HxCDD	U	2.86	pg/L	2.86	48.6
19408-74-3	1,2,3,7,8,9-HxCDD	U	2.93	pg/L	2.93	48.6
35822-46-9	1,2,3,4,6,7,8-HpCDD		63.0	pg/L	10.8	48.6
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1220	pg/L	22.5	97.2
51207-31-9	2,3,7,8-TCDF	U	2.24	pg/L	2.24	9.72
57117-41-6	1,2,3,7,8-PeCDF	U	1.47	pg/L	1.47	48.6
57117-31-4	2,3,4,7,8-PeCDF	U	1.32	pg/L	1.32	48.6
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.26	pg/L	1.26	48.6
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.31	pg/L	1.31	48.6
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.30	pg/L	1.30	48.6
72918-21-9	1,2,3,7,8,9-HxCDF	U	2.10	pg/L	2.10	48.6
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	2.82	pg/L	1.69	48.6
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	2.62	pg/L	2.62	48.6
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	7.91	pg/L	6.18	97.2
41903-57-5	Total TeCDD	U	2.02	pg/L	2.02	9.72
36088-22-9	Total PeCDD	U	1.68	pg/L	1.68	48.6
34465-46-8	Total HxCDD	U	2.86	pg/L	2.86	48.6
37871-00-4	Total HpCDD		144	pg/L	10.8	48.6
30402-14-3	Total TeCDF	U	2.24	pg/L	2.24	9.72
30402-15-4	Total PeCDF	U	1.32	pg/L	1.32	48.6
55684-94-1	Total HxCDF	JK	3.42	pg/L	1.26	48.6
38998-75-3	Total HpCDF	J	9.39	pg/L	1.69	48.6
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		1.03	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		3.96	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1340	1940	pg/L	68.9	(25%-164%)
13C-1,2,3,7,8-PeCDD		1360	1940	pg/L	69.7	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1190	1940	pg/L	61.3	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1350	1940	pg/L	69.2	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1160	1940	pg/L	59.6	(23%-140%)
13C-OCDD		2220	3890	pg/L	57.2	(17%-157%)
13C-2,3,7,8-TCDF		1040	1940	pg/L	53.4	(24%-169%)
13C-1,2,3,7,8-PeCDF		1230	1940	pg/L	63.4	(24%-185%)
13C-2,3,4,7,8-PeCDF		1270	1940	pg/L	65.2	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1150	1940	pg/L	59.2	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1230	1940	pg/L	63.3	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1180	1940	pg/L	61.0	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1170	1940	pg/L	60.0	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18042001**	**Date Collected:**	**04/24/2021 05:45**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**04/28/2021 11:40**		
Client ID:	**SW-1(042421)**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**05/01/2021 01:32**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-6**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1029 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1170	1940	pg/L	60.1	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1170	1940	pg/L	60.1	(26%-138%)
37Cl-2,3,7,8-TCDD		151	194	pg/L	77.5	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18042002**	**Date Collected:**	**04/24/2021 06:15**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**04/28/2021 11:40**		
Client ID:	**SW-2(042421)**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**05/01/2021 02:22**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-7**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1014.3 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.90	pg/L	1.90	9.86
40321-76-4	1,2,3,7,8-PeCDD	U	2.07	pg/L	2.07	49.3
39227-28-6	1,2,3,4,7,8-HxCDD	U	4.06	pg/L	4.06	49.3
57653-85-7	1,2,3,6,7,8-HxCDD	U	3.79	pg/L	3.79	49.3
19408-74-3	1,2,3,7,8,9-HxCDD	U	3.94	pg/L	3.94	49.3
35822-46-9	1,2,3,4,6,7,8-HpCDD		132	pg/L	14.6	49.3
3268-87-9	1,2,3,4,6,7,8,9-OCDD		2760	pg/L	26.2	98.6
51207-31-9	2,3,7,8-TCDF	U	2.13	pg/L	2.13	9.86
57117-41-6	1,2,3,7,8-PeCDF	U	1.55	pg/L	1.55	49.3
57117-31-4	2,3,4,7,8-PeCDF	U	1.52	pg/L	1.52	49.3
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.96	pg/L	1.96	49.3
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.88	pg/L	1.88	49.3
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.92	pg/L	1.92	49.3
72918-21-9	1,2,3,7,8,9-HxCDF	U	2.82	pg/L	2.82	49.3
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	4.79	pg/L	2.58	49.3
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	3.79	pg/L	3.79	49.3
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	7.08	pg/L	6.03	98.6
41903-57-5	Total TeCDD	U	1.90	pg/L	1.90	9.86
36088-22-9	Total PeCDD	U	2.07	pg/L	2.07	49.3
34465-46-8	Total HxCDD	JK	16.9	pg/L	3.79	49.3
37871-00-4	Total HpCDD		319	pg/L	14.6	49.3
30402-14-3	Total TeCDF	U	2.13	pg/L	2.13	9.86
30402-15-4	Total PeCDF	JK	2.07	pg/L	1.25	49.3
55684-94-1	Total HxCDF	J	5.76	pg/L	1.88	49.3
38998-75-3	Total HpCDF	J	16.2	pg/L	2.58	49.3
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		2.20	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		5.58	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1410	1970	pg/L	71.8	(25%-164%)
13C-1,2,3,7,8-PeCDD		1470	1970	pg/L	74.6	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1260	1970	pg/L	64.1	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1460	1970	pg/L	74.1	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1390	1970	pg/L	70.6	(23%-140%)
13C-OCDD		2680	3940	pg/L	68.0	(17%-157%)
13C-2,3,7,8-TCDF		1160	1970	pg/L	58.9	(24%-169%)
13C-1,2,3,7,8-PeCDF		1380	1970	pg/L	69.8	(24%-185%)
13C-2,3,4,7,8-PeCDF		1390	1970	pg/L	70.7	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1250	1970	pg/L	63.3	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1340	1970	pg/L	68.1	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1350	1970	pg/L	68.5	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1320	1970	pg/L	66.8	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18042002**	**Date Collected:**	**04/24/2021 06:15**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**04/28/2021 11:40**		
Client ID:	**SW-2(042421)**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**05/01/2021 02:22**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-7**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1014.3 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1270	1970	pg/L	64.5	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1310	1970	pg/L	66.4	(26%-138%)
37Cl-2,3,7,8-TCDD		155	197	pg/L	78.5	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18042003**	**Date Collected:**	**04/24/2021 05:50**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**04/28/2021 11:40**		
Client ID:	**DUP(042421)**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**05/01/2021 03:12**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-8**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1012.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.98	pg/L	1.98	9.88
40321-76-4	1,2,3,7,8-PeCDD	U	2.27	pg/L	2.27	49.4
39227-28-6	1,2,3,4,7,8-HxCDD	U	3.08	pg/L	3.08	49.4
57653-85-7	1,2,3,6,7,8-HxCDD	U	2.94	pg/L	2.94	49.4
19408-74-3	1,2,3,7,8,9-HxCDD	U	3.02	pg/L	3.02	49.4
35822-46-9	1,2,3,4,6,7,8-HpCDD		69.1	pg/L	10.3	49.4
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1400	pg/L	19.2	98.8
51207-31-9	2,3,7,8-TCDF	U	2.31	pg/L	2.31	9.88
57117-41-6	1,2,3,7,8-PeCDF	U	1.35	pg/L	1.35	49.4
57117-31-4	2,3,4,7,8-PeCDF	U	1.21	pg/L	1.21	49.4
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.52	pg/L	1.52	49.4
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.57	pg/L	1.57	49.4
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.56	pg/L	1.56	49.4
72918-21-9	1,2,3,7,8,9-HxCDF	U	2.37	pg/L	2.37	49.4
67562-39-4	1,2,3,4,6,7,8-HpCDF	JK	2.71	pg/L	2.09	49.4
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	3.06	pg/L	3.06	49.4
39001-02-0	1,2,3,4,6,7,8,9-OCDF	JK	8.30	pg/L	6.78	98.8
41903-57-5	Total TeCDD	U	1.98	pg/L	1.98	9.88
36088-22-9	Total PeCDD	U	2.27	pg/L	2.27	49.4
34465-46-8	Total HxCDD	JK	5.91	pg/L	2.94	49.4
37871-00-4	Total HpCDD		157	pg/L	10.3	49.4
30402-14-3	Total TeCDF	U	2.31	pg/L	2.31	9.88
30402-15-4	Total PeCDF	U	1.21	pg/L	1.21	49.4
55684-94-1	Total HxCDF	U	1.52	pg/L	1.52	49.4
38998-75-3	Total HpCDF	JK	11.5	pg/L	2.09	49.4
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		1.14	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		4.40	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1340	1980	pg/L	68.1	(25%-164%)
13C-1,2,3,7,8-PeCDD		1430	1980	pg/L	72.4	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1140	1980	pg/L	57.6	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1270	1980	pg/L	64.2	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1190	1980	pg/L	60.5	(23%-140%)
13C-OCDD		2230	3950	pg/L	56.4	(17%-157%)
13C-2,3,7,8-TCDF		1090	1980	pg/L	55.1	(24%-169%)
13C-1,2,3,7,8-PeCDF		1330	1980	pg/L	67.2	(24%-185%)
13C-2,3,4,7,8-PeCDF		1340	1980	pg/L	67.8	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1120	1980	pg/L	56.7	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1180	1980	pg/L	59.6	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1170	1980	pg/L	59.0	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1180	1980	pg/L	59.6	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18042003**	**Date Collected:**	**04/24/2021 05:50**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**04/28/2021 11:40**		
Client ID:	**DUP(042421)**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**05/01/2021 03:12**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-8**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1012.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1110	1980	pg/L	56.1	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1190	1980	pg/L	60.1	(26%-138%)
37Cl-2,3,7,8-TCDD		166	198	pg/L	83.9	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Quality Control Summary

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1D1005

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12029195	LCS for batch 46718	13C-2,3,7,8-TCDD		82.7	(20%-175%)
		13C-1,2,3,7,8-PeCDD		88.5	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		75.6	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		81.9	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		78.0	(22%-166%)
		13C-OCDD		69.8	(13%-199%)
		13C-2,3,7,8-TCDF		67.7	(22%-152%)
		13C-1,2,3,7,8-PeCDF		81.0	(21%-192%)
		13C-2,3,4,7,8-PeCDF		84.7	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		70.8	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		74.8	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		76.6	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		74.9	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		72.1	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		77.5	(20%-186%)
		37Cl-2,3,7,8-TCDD		86.6	(31%-191%)
12029196	LCSD for batch 46718	13C-2,3,7,8-TCDD		80.7	(20%-175%)
		13C-1,2,3,7,8-PeCDD		81.5	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		70.8	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		78.0	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		75.0	(22%-166%)
		13C-OCDD		72.5	(13%-199%)
		13C-2,3,7,8-TCDF		63.9	(22%-152%)
		13C-1,2,3,7,8-PeCDF		75.2	(21%-192%)
		13C-2,3,4,7,8-PeCDF		77.1	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		66.3	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		70.3	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		72.4	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		70.3	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		70.0	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		72.5	(20%-186%)
		37Cl-2,3,7,8-TCDD		92.7	(31%-191%)
12029194	MB for batch 46718	13C-2,3,7,8-TCDD		79.0	(25%-164%)
		13C-1,2,3,7,8-PeCDD		81.7	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		67.4	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		75.9	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		69.1	(23%-140%)
		13C-OCDD		66.2	(17%-157%)
		13C-2,3,7,8-TCDF		63.9	(24%-169%)
		13C-1,2,3,7,8-PeCDF		75.4	(24%-185%)
		13C-2,3,4,7,8-PeCDF		78.9	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		63.8	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		67.9	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		70.1	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		70.8	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		65.5	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		70.6	(26%-138%)
		37Cl-2,3,7,8-TCDD		88.2	(35%-197%)
18042001	SW-1(042421)	13C-2,3,7,8-TCDD		68.9	(25%-164%)

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1D1005

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
18042001	SW-1(042421)	13C-1,2,3,7,8-PeCDD		69.7	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		61.3	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		69.2	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		59.6	(23%-140%)
		13C-OCDD		57.2	(17%-157%)
		13C-2,3,7,8-TCDF		53.4	(24%-169%)
		13C-1,2,3,7,8-PeCDF		63.4	(24%-185%)
		13C-2,3,4,7,8-PeCDF		65.2	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		59.2	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		63.3	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		61.0	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		60.0	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		60.1	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		60.1	(26%-138%)
		37Cl-2,3,7,8-TCDD		77.5	(35%-197%)
18042002	SW-2(042421)	13C-2,3,7,8-TCDD		71.8	(25%-164%)
		13C-1,2,3,7,8-PeCDD		74.6	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		64.1	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		74.1	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		70.6	(23%-140%)
		13C-OCDD		68.0	(17%-157%)
		13C-2,3,7,8-TCDF		58.9	(24%-169%)
		13C-1,2,3,7,8-PeCDF		69.8	(24%-185%)
		13C-2,3,4,7,8-PeCDF		70.7	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		63.3	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		68.1	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		68.5	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		66.8	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		64.5	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		66.4	(26%-138%)
		37Cl-2,3,7,8-TCDD		78.5	(35%-197%)
18042003	DUP(042421)	13C-2,3,7,8-TCDD		68.1	(25%-164%)
		13C-1,2,3,7,8-PeCDD		72.4	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		57.6	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		64.2	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		60.5	(23%-140%)
		13C-OCDD		56.4	(17%-157%)
		13C-2,3,7,8-TCDF		55.1	(24%-169%)
		13C-1,2,3,7,8-PeCDF		67.2	(24%-185%)
		13C-2,3,4,7,8-PeCDF		67.8	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		56.7	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		59.6	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		59.0	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		59.6	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		56.1	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		60.1	(26%-138%)
		37Cl-2,3,7,8-TCDD		83.9	(35%-197%)

* Recovery outside Acceptance Limits

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1D1005

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits

* Recovery outside Acceptance Limits
# Column to be used to flag recovery values
D Sample Diluted

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: **A1D1005** **Sample Type:** **Laboratory Control Sample**

Client ID: **LCS for batch 46718** **Matrix:** **WATER**

Lab Sample ID: **12029195**

Instrument: **HRP763** **Analysis Date:** **04/30/2021 21:23** **Dilution:** **1**

Analyst: **MLL** **Prep Batch ID:** **46718**

Batch ID: **46722**

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits
1746-01-6	LCS	2,3,7,8-TCDD	200	180	90	67-158
40321-76-4	LCS	1,2,3,7,8-PeCDD	1000	953	95.3	70-142
39227-28-6	LCS	1,2,3,4,7,8-HxCDD	1000	949	94.9	70-164
57653-85-7	LCS	1,2,3,6,7,8-HxCDD	1000	986	98.6	76-134
19408-74-3	LCS	1,2,3,7,8,9-HxCDD	1000	983	98.3	64-162
35822-46-9	LCS	1,2,3,4,6,7,8-HpCDD	1000	955	95.5	70-140
3268-87-9	LCS	1,2,3,4,6,7,8,9-OCDD	2000	1920	96	78-144
51207-31-9	LCS	2,3,7,8-TCDF	200	184	92.2	75-158
57117-41-6	LCS	1,2,3,7,8-PeCDF	1000	990	99	80-134
57117-31-4	LCS	2,3,4,7,8-PeCDF	1000	926	92.6	68-160
70648-26-9	LCS	1,2,3,4,7,8-HxCDF	1000	991	99.1	72-134
57117-44-9	LCS	1,2,3,6,7,8-HxCDF	1000	1010	101	84-130
60851-34-5	LCS	2,3,4,6,7,8-HxCDF	1000	977	97.7	70-156
72918-21-9	LCS	1,2,3,7,8,9-HxCDF	1000	949	94.9	78-130
67562-39-4	LCS	1,2,3,4,6,7,8-HpCDF	1000	968	96.8	82-122
55673-89-7	LCS	1,2,3,4,7,8,9-HpCDF	1000	905	90.5	78-138
39001-02-0	LCS	1,2,3,4,6,7,8,9-OCDF	2000	1970	98.6	63-170

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: **A1D1005** **Sample Type:** **Laboratory Control Sample Duplicate**

Client ID: **LCSD for batch 46718** **Matrix:** **WATER**

Lab Sample ID: **12029196**

Instrument: **HRP763** **Analysis Date:** **04/30/2021 22:12** **Dilution:** **1**

Analyst: **MLL** **Prep Batch ID:** **46718**

Batch ID: **46722**

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
1746-01-6	LCSD	2,3,7,8-TCDD	200	179	89.7	67-158	0.312	0-20
40321-76-4	LCSD	1,2,3,7,8-PeCDD	1000	968	96.8	70-142	1.46	0-20
39227-28-6	LCSD	1,2,3,4,7,8-HxCDD	1000	971	97.1	70-164	2.31	0-20
57653-85-7	LCSD	1,2,3,6,7,8-HxCDD	1000	990	99	76-134	0.462	0-20
19408-74-3	LCSD	1,2,3,7,8,9-HxCDD	1000	995	99.5	64-162	1.25	0-20
35822-46-9	LCSD	1,2,3,4,6,7,8-HpCDD	1000	1020	102	70-140	6.87	0-20
3268-87-9	LCSD	1,2,3,4,6,7,8,9-OCDD	2000	1840	91.8	78-144	4.55	0-20
51207-31-9	LCSD	2,3,7,8-TCDF	200	186	92.9	75-158	0.767	0-20
57117-41-6	LCSD	1,2,3,7,8-PeCDF	1000	1020	102	80-134	2.97	0-20
57117-31-4	LCSD	2,3,4,7,8-PeCDF	1000	978	97.8	68-160	5.52	0-20
70648-26-9	LCSD	1,2,3,4,7,8-HxCDF	1000	1030	103	72-134	3.75	0-20
57117-44-9	LCSD	1,2,3,6,7,8-HxCDF	1000	1030	103	84-130	1.88	0-20
60851-34-5	LCSD	2,3,4,6,7,8-HxCDF	1000	1000	100	70-156	2.72	0-20
72918-21-9	LCSD	1,2,3,7,8,9-HxCDF	1000	968	96.8	78-130	2.00	0-20
67562-39-4	LCSD	1,2,3,4,6,7,8-HpCDF	1000	948	94.8	82-122	2.08	0-20
55673-89-7	LCSD	1,2,3,4,7,8,9-HpCDF	1000	926	92.6	78-138	2.20	0-20
39001-02-0	LCSD	1,2,3,4,6,7,8,9-OCDF	2000	1880	94.1	63-170	4.63	0-20

Method Blank Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Matrix:**	**WATER**
Client ID:	**MB for batch 46718**	**Instrument ID:**	**HRP763**	**Data File:**	**b30apr21a_2-3**
Lab Sample ID:	**12029194**	**Prep Date:**	**29-APR-21**	**Analyzed:**	**04/30/21 23:02**
Column:					

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 46718	12029195	b30apr21a_2-1	04/30/21	2123
02	LCSD for batch 46718	12029196	b30apr21a_2-2	04/30/21	2212
03	SW-1(042421)	18042001	b30apr21a_2-6	05/01/21	0132
04	SW-2(042421)	18042002	b30apr21a_2-7	05/01/21	0222
05	DUP(042421)	18042003	b30apr21a_2-8	05/01/21	0312

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029194**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46718**				
Client ID:	**MB for batch 46718**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/30/2021 23:02**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-3**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	1.60	pg/L	1.60	10.0
40321-76-4	1,2,3,7,8-PeCDD	U	1.29	pg/L	1.29	50.0
39227-28-6	1,2,3,4,7,8-HxCDD	U	1.64	pg/L	1.64	50.0
57653-85-7	1,2,3,6,7,8-HxCDD	U	1.60	pg/L	1.60	50.0
19408-74-3	1,2,3,7,8,9-HxCDD	U	1.63	pg/L	1.63	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD	U	2.66	pg/L	2.66	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD	U	4.08	pg/L	4.08	100
51207-31-9	2,3,7,8-TCDF	U	1.82	pg/L	1.82	10.0
57117-41-6	1,2,3,7,8-PeCDF	U	1.26	pg/L	1.26	50.0
57117-31-4	2,3,4,7,8-PeCDF	U	1.11	pg/L	1.11	50.0
70648-26-9	1,2,3,4,7,8-HxCDF	U	0.964	pg/L	0.964	50.0
57117-44-9	1,2,3,6,7,8-HxCDF	U	0.934	pg/L	0.934	50.0
60851-34-5	2,3,4,6,7,8-HxCDF	U	0.966	pg/L	0.966	50.0
72918-21-9	1,2,3,7,8,9-HxCDF	U	1.41	pg/L	1.41	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF	U	1.03	pg/L	1.03	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	1.53	pg/L	1.53	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	5.22	pg/L	5.22	100
41903-57-5	Total TeCDD	U	1.60	pg/L	1.60	10.0
36088-22-9	Total PeCDD	U	1.29	pg/L	1.29	50.0
34465-46-8	Total HxCDD	U	1.60	pg/L	1.60	50.0
37871-00-4	Total HpCDD	U	2.66	pg/L	2.66	50.0
30402-14-3	Total TeCDF	U	1.82	pg/L	1.82	10.0
30402-15-4	Total PeCDF	U	1.11	pg/L	1.11	50.0
55684-94-1	Total HxCDF	U	0.934	pg/L	0.934	50.0
38998-75-3	Total HpCDF	U	1.03	pg/L	1.03	50.0
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.000	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		2.21	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1580	2000	pg/L	79.0	(25%-164%)
13C-1,2,3,7,8-PeCDD		1630	2000	pg/L	81.7	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1350	2000	pg/L	67.4	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1520	2000	pg/L	75.9	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1380	2000	pg/L	69.1	(23%-140%)
13C-OCDD		2650	4000	pg/L	66.2	(17%-157%)
13C-2,3,7,8-TCDF		1280	2000	pg/L	63.9	(24%-169%)
13C-1,2,3,7,8-PeCDF		1510	2000	pg/L	75.4	(24%-185%)
13C-2,3,4,7,8-PeCDF		1580	2000	pg/L	78.9	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1280	2000	pg/L	63.8	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1360	2000	pg/L	67.9	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1400	2000	pg/L	70.1	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1420	2000	pg/L	70.8	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029194**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46718**				
Client ID:	**MB for batch 46718**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/30/2021 23:02**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-3**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1310	2000	pg/L	65.5	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1410	2000	pg/L	70.6	(26%-138%)
37Cl-2,3,7,8-TCDD		176	200	pg/L	88.2	(35%-197%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029195**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46718**				
Client ID:	**LCS for batch 46718**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/30/2021 21:23**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-1**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		180	pg/L	1.69	10.0
40321-76-4	1,2,3,7,8-PeCDD		953	pg/L	4.24	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		949	pg/L	7.94	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		986	pg/L	7.58	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		983	pg/L	7.82	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		955	pg/L	15.7	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1920	pg/L	19.8	100
51207-31-9	2,3,7,8-TCDF		184	pg/L	2.04	10.0
57117-41-6	1,2,3,7,8-PeCDF		990	pg/L	5.94	50.0
57117-31-4	2,3,4,7,8-PeCDF		926	pg/L	5.10	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		991	pg/L	7.74	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		1010	pg/L	7.78	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		977	pg/L	8.24	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		949	pg/L	12.2	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		968	pg/L	10.7	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		905	pg/L	14.7	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		1970	pg/L	16.6	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1650	2000	pg/L	82.7	(20%-175%)
13C-1,2,3,7,8-PeCDD		1770	2000	pg/L	88.5	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1510	2000	pg/L	75.6	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1640	2000	pg/L	81.9	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1560	2000	pg/L	78.0	(22%-166%)
13C-OCDD		2790	4000	pg/L	69.8	(13%-199%)
13C-2,3,7,8-TCDF		1350	2000	pg/L	67.7	(22%-152%)
13C-1,2,3,7,8-PeCDF		1620	2000	pg/L	81.0	(21%-192%)
13C-2,3,4,7,8-PeCDF		1690	2000	pg/L	84.7	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1420	2000	pg/L	70.8	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1500	2000	pg/L	74.8	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1530	2000	pg/L	76.6	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1500	2000	pg/L	74.9	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1440	2000	pg/L	72.1	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1550	2000	pg/L	77.5	(20%-186%)
37Cl-2,3,7,8-TCDD		173	200	pg/L	86.6	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1D1005**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029196**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 46718**				
Client ID:	**LCSD for batch 46718**			**Prep Basis:**	**As Received**
Batch ID:	**46722**	**Method:**	**EPA Method 1613B**		
Run Date:	**04/30/2021 22:12**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b30apr21a_2-2**			**Dilution:**	**1**
Prep Batch:	**46718**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**29-APR-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		179	pg/L	2.10	10.0
40321-76-4	1,2,3,7,8-PeCDD		968	pg/L	3.70	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		971	pg/L	8.42	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		990	pg/L	7.92	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		995	pg/L	8.22	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		1020	pg/L	14.3	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1840	pg/L	21.2	100
51207-31-9	2,3,7,8-TCDF		186	pg/L	2.66	10.0
57117-41-6	1,2,3,7,8-PeCDF		1020	pg/L	5.82	50.0
57117-31-4	2,3,4,7,8-PeCDF		978	pg/L	4.98	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		1030	pg/L	7.78	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		1030	pg/L	7.70	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		1000	pg/L	7.90	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		968	pg/L	11.0	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		948	pg/L	9.24	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		926	pg/L	14.2	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		1880	pg/L	18.7	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1610	2000	pg/L	80.7	(20%-175%)
13C-1,2,3,7,8-PeCDD		1630	2000	pg/L	81.5	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1420	2000	pg/L	70.8	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1560	2000	pg/L	78.0	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1500	2000	pg/L	75.0	(22%-166%)
13C-OCDD		2900	4000	pg/L	72.5	(13%-199%)
13C-2,3,7,8-TCDF		1280	2000	pg/L	63.9	(22%-152%)
13C-1,2,3,7,8-PeCDF		1500	2000	pg/L	75.2	(21%-192%)
13C-2,3,4,7,8-PeCDF		1540	2000	pg/L	77.1	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1330	2000	pg/L	66.3	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1410	2000	pg/L	70.3	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1450	2000	pg/L	72.4	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1410	2000	pg/L	70.3	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1400	2000	pg/L	70.0	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1450	2000	pg/L	72.5	(20%-186%)
37Cl-2,3,7,8-TCDD		185	200	pg/L	92.7	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

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

ANALYTICAL REPORT

Thursday, July 1, 2021

Kyle Haggart
GeoDesign, Inc.
9450 SW Commerce Circle
Wilsonville, OR 97070

RE: A1E0987 - Former Automatic Vending Co. - BCSAmerica-1-02

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 A1E0987, which was received by the laboratory on 5/24/2021 at 5:00:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@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	2.9 degC	Cooler #2	4.3 degC
Cooler #3	3.8 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

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1(052421)	A1E0987-01	Water	05/24/21 09:30	05/24/21 17:00
SW-2(052421)	A1E0987-02	Water	05/24/21 09:45	05/24/21 17:00
DUP(052421)	A1E0987-03	Water	05/24/21 09:35	05/24/21 17:00
SW-1-TB(052421)	A1E0987-04	Water	05/24/21 00:00	05/24/21 17:00
SW-2-TB(052421)	A1E0987-05	Water	05/24/21 00:00	05/24/21 17:00
DUP-TB(052421)	A1E0987-06	Water	05/24/21 00:00	05/24/21 17:00

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

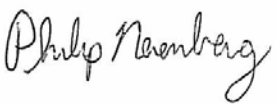
GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01RE1)				**Matrix: Water**		**Batch: 1050917**		
Diesel	**0.335**	0.0971	0.194	mg/L	1	05/27/21 08:13	NWTPH-Dx	**F-17**
Oil	**0.466**	0.194	0.388	mg/L	1	05/27/21 08:13	NWTPH-Dx	**F-24**
Surrogate: o-Terphenyl (Surr)		*Recovery: 116 %*		*Limits: 50-150 %*	*1*	*05/27/21 08:13*	*NWTPH-Dx*	
SW-2(052421) (A1E0987-02)				**Matrix: Water**		**Batch: 1050917**		
Diesel	**2.04**	0.0952	0.190	mg/L	1	05/26/21 01:19	NWTPH-Dx	**F-11**
Oil	ND	0.190	0.381	mg/L	1	05/26/21 01:19	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 86 %*		*Limits: 50-150 %*	*1*	*05/26/21 01:19*	*NWTPH-Dx*	
DUP(052421) (A1E0987-03RE1)				**Matrix: Water**		**Batch: 1050917**		
Diesel	**0.340**	0.104	0.208	mg/L	1	05/27/21 08:54	NWTPH-Dx	**F-17**
Oil	**0.508**	0.208	0.417	mg/L	1	05/27/21 08:54	NWTPH-Dx	**F-24**
Surrogate: o-Terphenyl (Surr)		*Recovery: 114 %*		*Limits: 50-150 %*	*1*	*05/27/21 08:54*	*NWTPH-Dx*	

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

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
SW-1(052421) (A1E0987-01)				**Matrix: Water**		**Batch: 1060007**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	06/01/21 15:12	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 94 %*	*Limits: 50-150 %*		*1*	*06/01/21 15:12*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*110 %*	*50-150 %*		*1*	*06/01/21 15:12*	*NWTPH-Gx (MS)*	
SW-2(052421) (A1E0987-02)				**Matrix: Water**		**Batch: 1060007**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	06/01/21 15:41	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*06/01/21 15:41*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*110 %*	*50-150 %*		*1*	*06/01/21 15:41*	*NWTPH-Gx (MS)*	
DUP(052421) (A1E0987-03)				**Matrix: Water**		**Batch: 1060007**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	06/01/21 17:08	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 99 %*	*Limits: 50-150 %*		*1*	*06/01/21 17:08*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*110 %*	*50-150 %*		*1*	*06/01/21 17:08*	*NWTPH-Gx (MS)*	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01)				**Matrix: Water**		**Batch: 1060007**		
Acetone	ND	20.0	20.0	ug/L	1	06/01/21 15:12	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:12	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Bromoform	ND	1.00	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	06/01/21 15:12	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	06/01/21 15:12	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	06/01/21 15:12	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:12	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Chloromethane	**4.04**	2.50	5.00	ug/L	1	06/01/21 15:12	EPA 8260D	**J**
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:12	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:12	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:12	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	06/01/21 15:12	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	06/01/21 15:12	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	06/01/21 15:12	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	06/01/21 15:12	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01)				**Matrix: Water**		**Batch: 1060007**		
Naphthalene	ND	1.00	2.00	ug/L	1	06/01/21 15:12	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:12	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	06/01/21 15:12	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	06/01/21 15:12	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	06/01/21 15:12	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	06/01/21 15:12	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	06/01/21 15:12	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:12	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*109 %*	*Limits: 80-120 %*	*1*	*06/01/21 15:12*	*EPA 8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*06/01/21 15:12*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*06/01/21 15:12*	*EPA 8260D*	
SW-2(052421) (A1E0987-02)				**Matrix: Water**		**Batch: 1060007**		
Acetone	ND	10.0	20.0	ug/L	1	06/01/21 15:41	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:41	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Bromoform	ND	1.00	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	06/01/21 15:41	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	06/01/21 15:41	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	06/01/21 15:41	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:41	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	06/01/21 15:41	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(052421) (A1E0987-02)				**Matrix: Water**		**Batch: 1060007**		
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:41	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:41	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:41	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	06/01/21 15:41	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	06/01/21 15:41	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	06/01/21 15:41	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	06/01/21 15:41	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	06/01/21 15:41	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	06/01/21 15:41	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	06/01/21 15:41	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	06/01/21 15:41	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	06/01/21 15:41	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	06/01/21 15:41	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	06/01/21 15:41	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 15:41	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*109 %*	*Limits: 80-120 %*	*1*	*06/01/21 15:41*	*EPA 8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*06/01/21 15:41*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*06/01/21 15:41*	*EPA 8260D*	
DUP(052421) (A1E0987-03)				**Matrix: Water**		**Batch: 1060007**		
Acetone	**21.4**	10.0	20.0	ug/L	1	06/01/21 17:08	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	06/01/21 17:08	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Bromoform	ND	1.00	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	06/01/21 17:08	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(052421) (A1E0987-03)				**Matrix: Water**		**Batch: 1060007**		
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	06/01/21 17:08	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	06/01/21 17:08	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 17:08	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	06/01/21 17:08	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 17:08	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 17:08	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	06/01/21 17:08	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	06/01/21 17:08	EPA 8260D	
2-Hexanone	ND	10.0	10.0	ug/L	1	06/01/21 17:08	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	06/01/21 17:08	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	06/01/21 17:08	EPA 8260D	
Naphthalene	ND	1.00	2.00	ug/L	1	06/01/21 17:08	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	06/01/21 17:08	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	06/01/21 17:08	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	06/01/21 17:08	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	06/01/21 17:08	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	06/01/21 17:08	EPA 8260D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(052421) (A1E0987-03)				**Matrix: Water**		**Batch: 1060007**		
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	06/01/21 17:08	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	06/01/21 17:08	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits: 80-120 %*	*1*	*06/01/21 17:08*	*EPA 8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*06/01/21 17:08*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*	*1*	*06/01/21 17:08*	*EPA 8260D*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01)				**Matrix: Water**		**Batch: 1060197**		
Benzene	ND	0.0500	0.100	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
m,p-Xylene	ND	0.200	0.200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	Q-54a
o-Xylene	ND	0.100	0.100	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 22:52	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits: 80-120 %*	*1*	*06/03/21 22:52*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*06/03/21 22:52*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*06/03/21 22:52*	*EPA 8260D SIM*	
SW-2(052421) (A1E0987-02)				**Matrix: Water**		**Batch: 1060197**		
Benzene	ND	0.0500	0.100	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
m,p-Xylene	ND	0.200	0.200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	Q-54a
o-Xylene	ND	0.100	0.100	ug/L	1	06/03/21 20:38	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(052421) (A1E0987-02)				**Matrix: Water**		**Batch: 1060197**		
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:38	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits: 80-120 %*	*1*	*06/03/21 20:38*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*06/03/21 20:38*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*06/03/21 20:38*	*EPA 8260D SIM*	
DUP(052421) (A1E0987-03)				**Matrix: Water**		**Batch: 1060197**		
Benzene	ND	0.0500	0.100	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
m,p-Xylene	ND	0.200	0.200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	Q-54a
o-Xylene	ND	0.100	0.100	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(052421) (A1E0987-03)				**Matrix: Water**		**Batch: 1060197**		
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 21:05	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits: 80-120 %*	*1*	*06/03/21 21:05*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*06/03/21 21:05*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*06/03/21 21:05*	*EPA 8260D SIM*	
SW-1-TB(052421) (A1E0987-04)				**Matrix: Water**		**Batch: 1060197**		**V-01**
Benzene	ND	0.0500	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
m,p-Xylene	ND	0.200	0.200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	Q-54a
o-Xylene	ND	0.100	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1-TB(052421) (A1E0987-04)				**Matrix: Water**		**Batch: 1060197**		**V-01**
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:17	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits: 80-120 %*	*1*	*06/03/21 19:17*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*06/03/21 19:17*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*06/03/21 19:17*	*EPA 8260D SIM*	
SW-2-TB(052421) (A1E0987-05)				**Matrix: Water**		**Batch: 1060197**		
Benzene	ND	0.0500	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
m,p-Xylene	ND	0.200	0.200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	Q-54a
o-Xylene	ND	0.100	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2-TB(052421) (A1E0987-05)				**Matrix: Water**		**Batch: 1060197**		
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 19:44	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*06/03/21 19:44*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*96 %*	*80-120 %*	*1*	*06/03/21 19:44*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*	*1*	*06/03/21 19:44*	*EPA 8260D SIM*	
DUP-TB(052421) (A1E0987-06)				**Matrix: Water**		**Batch: 1060197**		
Benzene	ND	0.0500	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
Toluene	ND	0.0500	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
m,p-Xylene	ND	0.200	0.200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
o-Xylene	ND	0.100	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,2,4-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
Chloroform	ND	0.0500	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	06/03/21 20:11	EPA 8260D SIM	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP-TB(052421) (A1E0987-06)				**Matrix: Water**		**Batch: 1060197**		
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	06/03/21 20:11	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*06/03/21 20:11*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*06/03/21 20:11*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*98 %*	*80-120 %*	*1*	*06/03/21 20:11*	*EPA 8260D SIM*	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01)				**Matrix: Water**		**Batch: 1060206**		**C-07**
Aroclor 1016	ND	0.0213	0.0426	ug/L	1	06/04/21 18:45	EPA 8082A	
Aroclor 1221	ND	0.0426	0.0426	ug/L	1	06/04/21 18:45	EPA 8082A	
Aroclor 1232	ND	0.0213	0.0426	ug/L	1	06/04/21 18:45	EPA 8082A	
Aroclor 1242	ND	0.0213	0.0426	ug/L	1	06/04/21 18:45	EPA 8082A	
Aroclor 1248	ND	0.0213	0.0426	ug/L	1	06/04/21 18:45	EPA 8082A	
Aroclor 1254	**0.0741**	0.0213	0.0426	ug/L	1	06/04/21 18:45	EPA 8082A	
Aroclor 1260	ND	0.0213	0.0426	ug/L	1	06/04/21 18:45	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 67 %*		*Limits: 40-135 %*	*1*	*06/04/21 18:45*	*EPA 8082A*	
SW-2(052421) (A1E0987-02)				**Matrix: Water**		**Batch: 1060206**		**C-07**
Aroclor 1016	ND	0.0187	0.0374	ug/L	1	06/04/21 19:02	EPA 8082A	
Aroclor 1221	ND	0.0187	0.0374	ug/L	1	06/04/21 19:02	EPA 8082A	
Aroclor 1232	ND	0.0187	0.0374	ug/L	1	06/04/21 19:02	EPA 8082A	
Aroclor 1242	ND	0.0187	0.0374	ug/L	1	06/04/21 19:02	EPA 8082A	
Aroclor 1248	ND	0.0187	0.0374	ug/L	1	06/04/21 19:02	EPA 8082A	
Aroclor 1254	ND	0.0187	0.0374	ug/L	1	06/04/21 19:02	EPA 8082A	
Aroclor 1260	ND	0.0187	0.0374	ug/L	1	06/04/21 19:02	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 55 %*		*Limits: 40-135 %*	*1*	*06/04/21 19:02*	*EPA 8082A*	
DUP(052421) (A1E0987-03)				**Matrix: Water**		**Batch: 1060206**		**C-07**
Aroclor 1016	ND	0.0200	0.0400	ug/L	1	06/04/21 19:20	EPA 8082A	
Aroclor 1221	ND	0.0400	0.0400	ug/L	1	06/04/21 19:20	EPA 8082A	
Aroclor 1232	ND	0.0200	0.0400	ug/L	1	06/04/21 19:20	EPA 8082A	
Aroclor 1242	ND	0.0200	0.0400	ug/L	1	06/04/21 19:20	EPA 8082A	
Aroclor 1248	ND	0.0200	0.0400	ug/L	1	06/04/21 19:20	EPA 8082A	
Aroclor 1254	ND	0.0200	0.0400	ug/L	1	06/04/21 19:20	EPA 8082A	
Aroclor 1260	ND	0.0200	0.0400	ug/L	1	06/04/21 19:20	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 65 %*		*Limits: 40-135 %*	*1*	*06/04/21 19:20*	*EPA 8082A*	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01RE1)				**Matrix: Water**		**Batch: 1050961**		**R-04**
Acenaphthene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Acenaphthylene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Anthracene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Benz(a)anthracene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Benzo(a)pyrene	ND	0.142	0.283	ug/L	10	05/27/21 12:11	EPA 8270E	
Benzo(b)fluoranthene	ND	0.142	0.283	ug/L	10	05/27/21 12:11	EPA 8270E	
Benzo(k)fluoranthene	ND	0.142	0.283	ug/L	10	05/27/21 12:11	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Chrysene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Fluoranthene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Fluorene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
1-Methylnaphthalene	ND	0.189	0.377	ug/L	10	05/27/21 12:11	EPA 8270E	
2-Methylnaphthalene	ND	0.189	0.377	ug/L	10	05/27/21 12:11	EPA 8270E	
Naphthalene	ND	0.189	0.377	ug/L	10	05/27/21 12:11	EPA 8270E	
Phenanthrene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Pyrene	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Carbazole	ND	0.142	0.283	ug/L	10	05/27/21 12:11	EPA 8270E	
Dibenzofuran	ND	0.0943	0.189	ug/L	10	05/27/21 12:11	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	1.89	3.77	ug/L	10	05/27/21 12:11	EPA 8270E	
Butyl benzyl phthalate	ND	1.89	3.77	ug/L	10	05/27/21 12:11	EPA 8270E	
Diethylphthalate	ND	1.89	3.77	ug/L	10	05/27/21 12:11	EPA 8270E	
Dimethylphthalate	ND	1.89	3.77	ug/L	10	05/27/21 12:11	EPA 8270E	
Di-n-butylphthalate	ND	1.89	3.77	ug/L	10	05/27/21 12:11	EPA 8270E	
Di-n-octyl phthalate	ND	1.89	3.77	ug/L	10	05/27/21 12:11	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*70 %*	*Limits: 44-120 %*	*10*	*05/27/21 12:11*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*76 %*	*44-120 %*	*10*	*05/27/21 12:11*	*EPA 8270E*	
Phenol-d6 (Surr)			*25 %*	*10-133 %*	*10*	*05/27/21 12:11*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*56 %*	*50-134 %*	*10*	*05/27/21 12:11*	*EPA 8270E*	
2-Fluorophenol (Surr)			*34 %*	*19-120 %*	*10*	*05/27/21 12:11*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*106 %*	*43-140 %*	*10*	*05/27/21 12:11*	*EPA 8270E*	
SW-2(052421) (A1E0987-02RE1)				**Matrix: Water**		**Batch: 1050961**		**R-04**

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-2(052421) (A1E0987-02RE1)				**Matrix: Water**		**Batch: 1050961**		**R-04**
Acenaphthene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Acenaphthylene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Anthracene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Benz(a)anthracene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Benzo(a)pyrene	ND	0.283	0.566	ug/L	20	05/27/21 12:46	EPA 8270E	
Benzo(b)fluoranthene	ND	0.283	0.566	ug/L	20	05/27/21 12:46	EPA 8270E	
Benzo(k)fluoranthene	ND	0.283	0.566	ug/L	20	05/27/21 12:46	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Chrysene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Fluoranthene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Fluorene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
1-Methylnaphthalene	ND	0.377	0.755	ug/L	20	05/27/21 12:46	EPA 8270E	
2-Methylnaphthalene	ND	0.377	0.755	ug/L	20	05/27/21 12:46	EPA 8270E	
Naphthalene	ND	0.377	0.755	ug/L	20	05/27/21 12:46	EPA 8270E	
Phenanthrene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Pyrene	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Carbazole	ND	0.283	0.566	ug/L	20	05/27/21 12:46	EPA 8270E	
Dibenzofuran	ND	0.189	0.377	ug/L	20	05/27/21 12:46	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	3.77	7.55	ug/L	20	05/27/21 12:46	EPA 8270E	
Butyl benzyl phthalate	ND	3.77	7.55	ug/L	20	05/27/21 12:46	EPA 8270E	
Diethylphthalate	ND	3.77	7.55	ug/L	20	05/27/21 12:46	EPA 8270E	
Dimethylphthalate	ND	3.77	7.55	ug/L	20	05/27/21 12:46	EPA 8270E	
Di-n-butylphthalate	ND	3.77	7.55	ug/L	20	05/27/21 12:46	EPA 8270E	
Di-n-octyl phthalate	ND	3.77	7.55	ug/L	20	05/27/21 12:46	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*89 %*	*Limits:* *44-120 %*	*20*	*05/27/21 12:46*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*87 %*	*44-120 %*	*20*	*05/27/21 12:46*	*EPA 8270E*	
Phenol-d6 (Surr)			*27 %*	*10-133 %*	*20*	*05/27/21 12:46*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*37 %*	*50-134 %*	*20*	*05/27/21 12:46*	*EPA 8270E*	*S-06*
2-Fluorophenol (Surr)			*41 %*	*19-120 %*	*20*	*05/27/21 12:46*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*105 %*	*43-140 %*	*20*	*05/27/21 12:46*	*EPA 8270E*	
DUP(052421) (A1E0987-03RE1)				**Matrix: Water**		**Batch: 1050961**		**R-04**

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DUP(052421) (A1E0987-03RE1)				**Matrix: Water**		**Batch: 1050961**		**R-04**
Acenaphthene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Acenaphthylene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Anthracene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Benz(a)anthracene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Benzo(a)pyrene	ND	0.286	0.571	ug/L	20	05/27/21 13:22	EPA 8270E	
Benzo(b)fluoranthene	ND	0.286	0.571	ug/L	20	05/27/21 13:22	EPA 8270E	
Benzo(k)fluoranthene	ND	0.286	0.571	ug/L	20	05/27/21 13:22	EPA 8270E	
Benzo(g,h,i)perylene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Chrysene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Dibenz(a,h)anthracene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Fluoranthene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Fluorene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
1-Methylnaphthalene	ND	0.381	0.762	ug/L	20	05/27/21 13:22	EPA 8270E	
2-Methylnaphthalene	ND	0.381	0.762	ug/L	20	05/27/21 13:22	EPA 8270E	
Naphthalene	ND	0.381	0.762	ug/L	20	05/27/21 13:22	EPA 8270E	
Phenanthrene	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Pyrene	**0.194**	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	**J**
Carbazole	ND	0.286	0.571	ug/L	20	05/27/21 13:22	EPA 8270E	
Dibenzofuran	ND	0.190	0.381	ug/L	20	05/27/21 13:22	EPA 8270E	
Bis(2-ethylhexyl)phthalate	ND	3.81	7.62	ug/L	20	05/27/21 13:22	EPA 8270E	
Butyl benzyl phthalate	ND	3.81	7.62	ug/L	20	05/27/21 13:22	EPA 8270E	
Diethylphthalate	ND	3.81	7.62	ug/L	20	05/27/21 13:22	EPA 8270E	
Dimethylphthalate	ND	3.81	7.62	ug/L	20	05/27/21 13:22	EPA 8270E	
Di-n-butylphthalate	ND	3.81	7.62	ug/L	20	05/27/21 13:22	EPA 8270E	
Di-n-octyl phthalate	ND	3.81	7.62	ug/L	20	05/27/21 13:22	EPA 8270E	
Surrogate: Nitrobenzene-d5 (Surr)		*Recovery:*	*78 %*	*Limits:* *44-120 %*	*20*	*05/27/21 13:22*	*EPA 8270E*	
2-Fluorobiphenyl (Surr)			*74 %*	*44-120 %*	*20*	*05/27/21 13:22*	*EPA 8270E*	
Phenol-d6 (Surr)			*31 %*	*10-133 %*	*20*	*05/27/21 13:22*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*46 %*	*50-134 %*	*20*	*05/27/21 13:22*	*EPA 8270E*	*S-06*
2-Fluorophenol (Surr)			*36 %*	*19-120 %*	*20*	*05/27/21 13:22*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*108 %*	*43-140 %*	*20*	*05/27/21 13:22*	*EPA 8270E*	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01)				**Matrix: Water**				
Batch: 1060183								
Chromium	**4.14**	0.500	1.00	ug/L	1	06/04/21 02:03	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	06/04/21 02:03	EPA 200.8	
Zinc	**95.4**	2.00	4.00	ug/L	1	06/04/21 02:03	EPA 200.8	
SW-2(052421) (A1E0987-02)				**Matrix: Water**				
Batch: 1060183								
Arsenic	**0.566**	0.500	1.00	ug/L	1	06/04/21 02:07	EPA 200.8	**J**
Cadmium	**0.130**	0.100	0.200	ug/L	1	06/04/21 02:07	EPA 200.8	**J**
Chromium	**2.24**	0.500	1.00	ug/L	1	06/04/21 02:07	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	06/04/21 02:07	EPA 200.8	
Zinc	**312**	2.00	4.00	ug/L	1	06/04/21 02:07	EPA 200.8	
DUP(052421) (A1E0987-03)				**Matrix: Water**				
Batch: 1060183								
Chromium	**5.49**	0.500	1.00	ug/L	1	06/04/21 02:12	EPA 200.8	
Mercury	ND	0.0400	0.0800	ug/L	1	06/04/21 02:12	EPA 200.8	
Zinc	**104**	2.00	4.00	ug/L	1	06/04/21 02:12	EPA 200.8	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01)				**Matrix: Water**				
Batch: 1060937								
Arsenic	**0.404**	0.0250	0.0500	ug/L	1	06/22/21 23:11	EPA 200.8-LL	
Cadmium	**0.0557**	0.0250	0.0500	ug/L	1	06/22/21 23:11	EPA 200.8-LL	
DUP(052421) (A1E0987-03)				**Matrix: Water**				
Batch: 1060937								
Arsenic	**0.549**	0.0250	0.0500	ug/L	1	06/22/21 23:18	EPA 200.8-LL	
Cadmium	**0.0632**	0.0250	0.0500	ug/L	1	06/22/21 23:18	EPA 200.8-LL	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SW-1(052421) (A1E0987-01)				**Matrix: Water**				
Batch: 1051074								
Total Suspended Solids	**27.0**	5.00	5.00	mg/L	1	06/01/21 09:46	SM 2540 D	
SW-2(052421) (A1E0987-02)				**Matrix: Water**				
Batch: 1051074								
Total Suspended Solids	ND	5.00	5.00	mg/L	1	06/01/21 09:46	SM 2540 D	
DUP(052421) (A1E0987-03)				**Matrix: Water**				
Batch: 1051074								
Total Suspended Solids	**29.0**	5.00	5.00	mg/L	1	06/01/21 09:46	SM 2540 D	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050917 - EPA 3510C (Fuels/Acid Ext.)									Water			
Blank (1050917-BLK1)			Prepared: 05/25/21 13:00		Analyzed: 05/25/21 22:26							
NWTPH-Dx												
Diesel	ND	0.0909	0.182	mg/L	1	---	---	---	---	---	---	
Oil	ND	0.182	0.364	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 84 %*	*Limits: 50-150 %*		*Dilution: 1x*						
LCS (1050917-BS1)			Prepared: 05/25/21 13:00		Analyzed: 05/25/21 22:48							
NWTPH-Dx												
Diesel	1.03	0.100	0.200	mg/L	1	1.25	---	82	59-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 93 %*	*Limits: 50-150 %*		*Dilution: 1x*						
LCS Dup (1050917-BSD1)			Prepared: 05/25/21 13:00		Analyzed: 05/25/21 23:09							**Q-19**
NWTPH-Dx												
Diesel	1.01	0.100	0.200	mg/L	1	1.25	---	81	59-115%	2	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 91 %*	*Limits: 50-150 %*		*Dilution: 1x*						

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

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 1060007 - EPA 5030B									Water			
Blank (1060007-BLK1)			Prepared: 06/01/21 08:00		Analyzed: 06/01/21 10:50							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 96 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*107 %*		*50-150 %*				*"*			
LCS (1060007-BS2)			Prepared: 06/01/21 08:00		Analyzed: 06/01/21 10:21							
NWTPH-Gx (MS)												
Gasoline Range Organics	0.467	0.0500	0.100	mg/L	1	0.500	---	93	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 93 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*100 %*		*50-150 %*				*"*			
Duplicate (1060007-DUP1)			Prepared: 06/01/21 10:05		Analyzed: 06/01/21 19:34							
QC Source Sample: Non-SDG (A1E1073-05)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 104 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*115 %*		*50-150 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							Water					
Blank (1060007-BLK1)			Prepared: 06/01/21 08:00		Analyzed: 06/01/21 10:50							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	1.00	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							**Water**					
Blank (1060007-BLK1)			Prepared: 06/01/21 08:00		Analyzed: 06/01/21 10:50							
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	10.0	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 106 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							**Water**					
Blank (1060007-BLK1)			Prepared: 06/01/21 08:00 Analyzed: 06/01/21 10:50									
Surr: Toluene-d8 (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*96 %*	*80-120 %*				*"*				
LCS (1060007-BS1)			Prepared: 06/01/21 08:00 Analyzed: 06/01/21 09:49									
EPA 8260D												
Acetone	33.1	10.0	20.0	ug/L	1	40.0	---	83	80-120%	---	---	
Acrylonitrile	19.1	1.00	2.00	ug/L	1	20.0	---	96	80-120%	---	---	
Benzene	20.9	0.100	0.200	ug/L	1	20.0	---	104	80-120%	---	---	
Bromobenzene	19.2	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Bromochloromethane	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
Bromodichloromethane	19.5	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Bromoform	14.1	1.00	1.00	ug/L	1	20.0	---	**70**	**80-120%**	---	---	Q-55
Bromomethane	18.5	5.00	5.00	ug/L	1	20.0	---	92	80-120%	---	---	
2-Butanone (MEK)	37.3	5.00	10.0	ug/L	1	40.0	---	93	80-120%	---	---	
n-Butylbenzene	22.9	0.500	1.00	ug/L	1	20.0	---	114	80-120%	---	---	
sec-Butylbenzene	20.0	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
tert-Butylbenzene	19.0	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
Carbon disulfide	20.8	5.00	10.0	ug/L	1	20.0	---	104	80-120%	---	---	
Carbon tetrachloride	17.9	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
Chlorobenzene	19.5	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Chloroethane	17.3	5.00	5.00	ug/L	1	20.0	---	87	80-120%	---	---	
Chloroform	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Chloromethane	19.2	2.50	5.00	ug/L	1	20.0	---	96	80-120%	---	---	
2-Chlorotoluene	20.7	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
4-Chlorotoluene	21.5	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
Dibromochloromethane	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
1,2-Dibromo-3-chloropropane	15.5	5.00	5.00	ug/L	1	20.0	---	**77**	**80-120%**	---	---	Q-55
1,2-Dibromoethane (EDB)	19.3	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Dibromomethane	19.7	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
1,2-Dichlorobenzene	19.7	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,3-Dichlorobenzene	20.6	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
1,4-Dichlorobenzene	18.6	0.250	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Dichlorodifluoromethane	19.8	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
1,1-Dichloroethane	20.3	0.200	0.400	ug/L	1	20.0	---	101	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							**Water**					
LCS (1060007-BS1)			Prepared: 06/01/21 08:00		Analyzed: 06/01/21 09:49							
1,2-Dichloroethane (EDC)	19.4	0.200	0.400	ug/L	1	20.0	---	97	80-120%	---	---	
1,1-Dichloroethene	19.9	0.200	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
cis-1,2-Dichloroethene	20.1	0.200	0.400	ug/L	1	20.0	---	101	80-120%	---	---	
trans-1,2-Dichloroethene	19.1	0.200	0.400	ug/L	1	20.0	---	95	80-120%	---	---	
1,2-Dichloropropane	19.1	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
1,3-Dichloropropane	19.5	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
2,2-Dichloropropane	23.1	0.500	1.00	ug/L	1	20.0	---	116	80-120%	---	---	
1,1-Dichloropropene	21.3	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
cis-1,3-Dichloropropene	18.6	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
trans-1,3-Dichloropropene	18.5	0.500	1.00	ug/L	1	20.0	---	92	80-120%	---	---	
Ethylbenzene	20.6	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Hexachlorobutadiene	24.0	2.50	5.00	ug/L	1	20.0	---	120	80-120%	---	---	
2-Hexanone	30.2	10.0	10.0	ug/L	1	40.0	---	**76**	**80-120%**	---	---	Q-55
Isopropylbenzene	19.0	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
4-Isopropyltoluene	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Methylene chloride	19.3	5.00	10.0	ug/L	1	20.0	---	97	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	34.4	5.00	10.0	ug/L	1	40.0	---	86	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	19.5	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Naphthalene	15.9	1.00	2.00	ug/L	1	20.0	---	80	80-120%	---	---	
n-Propylbenzene	21.2	0.250	0.500	ug/L	1	20.0	---	106	80-120%	---	---	
Styrene	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
1,1,1,2-Tetrachloroethane	18.0	0.200	0.400	ug/L	1	20.0	---	90	80-120%	---	---	
1,1,2,2-Tetrachloroethane	17.7	0.250	0.500	ug/L	1	20.0	---	89	80-120%	---	---	
Tetrachloroethene (PCE)	20.4	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
Toluene	19.2	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
1,2,3-Trichlorobenzene	20.9	1.00	2.00	ug/L	1	20.0	---	104	80-120%	---	---	
1,2,4-Trichlorobenzene	19.7	1.00	2.00	ug/L	1	20.0	---	99	80-120%	---	---	
1,1,1-Trichloroethane	19.5	0.200	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
1,1,2-Trichloroethane	19.1	0.250	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Trichloroethene (TCE)	20.0	0.200	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
Trichlorofluoromethane	20.6	1.00	2.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,2,3-Trichloropropane	19.0	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
1,2,4-Trimethylbenzene	19.2	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
1,3,5-Trimethylbenzene	19.3	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							**Water**					
LCS (1060007-BS1)			Prepared: 06/01/21 08:00 Analyzed: 06/01/21 09:49									
Vinyl chloride	18.7	0.200	0.400	ug/L	1	20.0	---	94	80-120%	---	---	
m,p-Xylene	39.0	0.500	1.00	ug/L	1	40.0	---	98	80-120%	---	---	
o-Xylene	17.7	0.250	0.500	ug/L	1	20.0	---	89	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*				*"*			
Duplicate (1060007-DUP1)			Prepared: 06/01/21 10:05 Analyzed: 06/01/21 19:34									
QC Source Sample: Non-SDG (A1E1073-05)												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	1.00	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							Water					
Duplicate (1060007-DUP1)			Prepared: 06/01/21 10:05 Analyzed: 06/01/21 19:34									
QC Source Sample: Non-SDG (A1E1073-05)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	10.0	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project:	Former Automatic Vending Co.
9450 SW Commerce Circle	Project Number:	BCSAmerica-1-02
Wilsonville, OR 97070	Project Manager:	Kyle Haggart

Report ID: A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							Water					
Duplicate (1060007-DUP1)			Prepared: 06/01/21 10:05 Analyzed: 06/01/21 19:34									
QC Source Sample: Non-SDG (A1E1073-05)												
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 111 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*102 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*93 %*		*80-120 %*		*"*					
Matrix Spike (1060007-MS1)			Prepared: 06/01/21 10:05 Analyzed: 06/01/21 16:10									
QC Source Sample: SW-2(052421) (A1E0987-02)												
EPA 8260D												
Acetone	52.2	10.0	20.0	ug/L	1	40.0	ND	130	39-160%	---	---	
Acrylonitrile	23.5	1.00	2.00	ug/L	1	20.0	ND	117	63-135%	---	---	
Benzene	23.6	0.100	0.200	ug/L	1	20.0	ND	118	79-120%	---	---	
Bromobenzene	22.2	0.250	0.500	ug/L	1	20.0	ND	111	80-120%	---	---	
Bromochloromethane	23.6	0.500	1.00	ug/L	1	20.0	ND	118	78-123%	---	---	
Bromodichloromethane	22.4	0.500	1.00	ug/L	1	20.0	ND	112	79-125%	---	---	
Bromoform	16.3	1.00	1.00	ug/L	1	20.0	ND	81	66-130%	---	---	Q-54b
Bromomethane	21.9	5.00	5.00	ug/L	1	20.0	ND	110	53-141%	---	---	
2-Butanone (MEK)	47.0	5.00	10.0	ug/L	1	40.0	ND	118	56-143%	---	---	
n-Butylbenzene	24.8	0.500	1.00	ug/L	1	20.0	ND	124	75-128%	---	---	
sec-Butylbenzene	22.4	0.500	1.00	ug/L	1	20.0	ND	112	77-126%	---	---	
tert-Butylbenzene	21.3	0.500	1.00	ug/L	1	20.0	ND	107	78-124%	---	---	
Carbon disulfide	23.8	5.00	10.0	ug/L	1	20.0	ND	119	64-133%	---	---	
Carbon tetrachloride	20.3	0.500	1.00	ug/L	1	20.0	ND	102	72-136%	---	---	
Chlorobenzene	22.0	0.250	0.500	ug/L	1	20.0	ND	110	80-120%	---	---	
Chloroethane	20.9	5.00	5.00	ug/L	1	20.0	ND	104	60-138%	---	---	
Chloroform	23.3	0.500	1.00	ug/L	1	20.0	ND	116	79-124%	---	---	
Chloromethane	21.8	2.50	5.00	ug/L	1	20.0	ND	109	50-139%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							**Water**					
Matrix Spike (1060007-MS1)			Prepared: 06/01/21 10:05		Analyzed: 06/01/21 16:10							
QC Source Sample: SW-2(052421) (A1E0987-02)												
2-Chlorotoluene	23.9	0.500	1.00	ug/L	1	20.0	ND	119	79-122%	---	---	
4-Chlorotoluene	24.4	0.500	1.00	ug/L	1	20.0	ND	122	78-122%	---	---	
Dibromochloromethane	20.9	0.500	1.00	ug/L	1	20.0	ND	104	74-126%	---	---	
1,2-Dibromo-3-chloropropane	19.1	5.00	5.00	ug/L	1	20.0	ND	96	62-128%	---	---	Q-54c
1,2-Dibromoethane (EDB)	22.2	0.250	0.500	ug/L	1	20.0	ND	111	77-121%	---	---	
Dibromomethane	22.4	0.500	1.00	ug/L	1	20.0	ND	112	79-123%	---	---	
1,2-Dichlorobenzene	22.9	0.250	0.500	ug/L	1	20.0	ND	114	80-120%	---	---	
1,3-Dichlorobenzene	23.8	0.250	0.500	ug/L	1	20.0	ND	119	80-120%	---	---	
1,4-Dichlorobenzene	21.6	0.250	0.500	ug/L	1	20.0	ND	108	79-120%	---	---	
Dichlorodifluoromethane	21.2	0.500	1.00	ug/L	1	20.0	ND	106	32-152%	---	---	
1,1-Dichloroethane	23.0	0.200	0.400	ug/L	1	20.0	ND	115	77-125%	---	---	
1,2-Dichloroethane (EDC)	22.3	0.200	0.400	ug/L	1	20.0	ND	112	73-128%	---	---	
1,1-Dichloroethene	23.6	0.200	0.400	ug/L	1	20.0	ND	118	71-131%	---	---	
cis-1,2-Dichloroethene	22.4	0.200	0.400	ug/L	1	20.0	ND	112	78-123%	---	---	
trans-1,2-Dichloroethene	22.5	0.200	0.400	ug/L	1	20.0	ND	112	75-124%	---	---	
1,2-Dichloropropane	21.9	0.250	0.500	ug/L	1	20.0	ND	109	78-122%	---	---	
1,3-Dichloropropane	22.3	0.500	1.00	ug/L	1	20.0	ND	111	80-120%	---	---	
2,2-Dichloropropane	24.0	0.500	1.00	ug/L	1	20.0	ND	120	60-139%	---	---	
1,1-Dichloropropene	23.4	0.500	1.00	ug/L	1	20.0	ND	117	79-125%	---	---	
cis-1,3-Dichloropropene	17.2	0.500	1.00	ug/L	1	20.0	ND	86	75-124%	---	---	
trans-1,3-Dichloropropene	20.1	0.500	1.00	ug/L	1	20.0	ND	100	73-127%	---	---	
Ethylbenzene	23.0	0.250	0.500	ug/L	1	20.0	ND	115	79-121%	---	---	
Hexachlorobutadiene	24.7	2.50	5.00	ug/L	1	20.0	ND	123	66-134%	---	---	
2-Hexanone	37.4	10.0	10.0	ug/L	1	40.0	ND	93	57-139%	---	---	Q-54d
Isopropylbenzene	20.6	0.500	1.00	ug/L	1	20.0	ND	103	72-131%	---	---	
4-Isopropyltoluene	21.4	0.500	1.00	ug/L	1	20.0	ND	107	77-127%	---	---	
Methylene chloride	21.8	5.00	10.0	ug/L	1	20.0	ND	109	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	41.6	5.00	10.0	ug/L	1	40.0	ND	104	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	21.5	0.500	1.00	ug/L	1	20.0	ND	108	71-124%	---	---	
Naphthalene	18.2	1.00	2.00	ug/L	1	20.0	ND	91	61-128%	---	---	
n-Propylbenzene	24.3	0.250	0.500	ug/L	1	20.0	ND	122	76-126%	---	---	
Styrene	20.3	0.500	1.00	ug/L	1	20.0	ND	101	78-123%	---	---	
1,1,1,2-Tetrachloroethane	21.2	0.200	0.400	ug/L	1	20.0	ND	106	78-124%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

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 1060007 - EPA 5030B							**Water**					
Matrix Spike (1060007-MS1)			Prepared: 06/01/21 10:05		Analyzed: 06/01/21 16:10							
QC Source Sample: SW-2(052421) (A1E0987-02)												
1,1,2,2-Tetrachloroethane	21.7	0.250	0.500	ug/L	1	20.0	ND	109	71-121%	---	---	
Tetrachloroethene (PCE)	21.8	0.200	0.400	ug/L	1	20.0	ND	109	74-129%	---	---	
Toluene	21.5	0.500	1.00	ug/L	1	20.0	ND	108	80-121%	---	---	
1,2,3-Trichlorobenzene	23.4	1.00	2.00	ug/L	1	20.0	ND	117	69-129%	---	---	
1,2,4-Trichlorobenzene	21.7	1.00	2.00	ug/L	1	20.0	ND	108	69-130%	---	---	
1,1,1-Trichloroethane	22.0	0.200	0.400	ug/L	1	20.0	ND	110	74-131%	---	---	
1,1,2-Trichloroethane	21.7	0.250	0.500	ug/L	1	20.0	ND	108	80-120%	---	---	
Trichloroethene (TCE)	22.0	0.200	0.400	ug/L	1	20.0	ND	110	79-123%	---	---	
Trichlorofluoromethane	23.6	1.00	2.00	ug/L	1	20.0	ND	118	65-141%	---	---	
1,2,3-Trichloropropane	23.3	0.500	1.00	ug/L	1	20.0	ND	116	73-122%	---	---	
1,2,4-Trimethylbenzene	21.7	0.500	1.00	ug/L	1	20.0	ND	109	76-124%	---	---	
1,3,5-Trimethylbenzene	22.0	0.500	1.00	ug/L	1	20.0	ND	110	75-124%	---	---	
Vinyl chloride	20.7	0.200	0.400	ug/L	1	20.0	ND	103	58-137%	---	---	
m,p-Xylene	43.3	0.500	1.00	ug/L	1	40.0	ND	108	80-121%	---	---	
o-Xylene	19.7	0.250	0.500	ug/L	1	20.0	ND	99	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*97 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*				*"*			

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

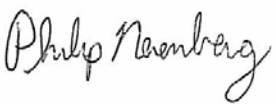
GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060197 - EPA 5030B							Water					
Blank (1060197-BLK1)			Prepared: 06/03/21 17:00		Analyzed: 06/03/21 18:50							
EPA 8260D SIM												
Benzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.200	0.200	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*96 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*80-120 %*			*"*				
LCS (1060197-BS1)			Prepared: 06/03/21 17:00		Analyzed: 06/03/21 17:52							
EPA 8260D SIM												
Benzene	0.191	0.0500	0.100	ug/L	1	0.200	---	95	80-120%	---	---	
Toluene	0.176	0.0500	0.100	ug/L	1	0.200	---	88	80-120%	---	---	

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060197 - EPA 5030B								**Water**				
LCS (1060197-BS1)			Prepared: 06/03/21 17:00		Analyzed: 06/03/21 17:52							
Ethylbenzene	0.162	0.0500	0.100	ug/L	1	0.200	---	81	80-120%	---	---	
m,p-Xylene	0.314	0.200	0.200	ug/L	1	0.400	---	**79**	**80-120%**	---	---	Q-55
o-Xylene	0.158	0.100	0.100	ug/L	1	0.200	---	**79**	**80-120%**	---	---	Q-55
1,2,4-Trimethylbenzene	0.153	0.100	0.100	ug/L	1	0.200	---	**76**	**80-120%**	---	---	Q-55
1,3,5-Trimethylbenzene	0.152	0.100	0.100	ug/L	1	0.200	---	**76**	**80-120%**	---	---	Q-55
Chloroform	0.198	0.0500	0.100	ug/L	1	0.200	---	99	80-120%	---	---	
1,2-Dibromo-3-chloropropane	0.204	0.100	0.200	ug/L	1	0.200	---	102	80-120%	---	---	
1,2-Dibromoethane (EDB)	0.188	0.0100	0.0200	ug/L	1	0.200	---	94	80-120%	---	---	
1,1-Dichloroethane	0.198	0.0100	0.0200	ug/L	1	0.200	---	99	80-120%	---	---	
1,2-Dichloroethane (EDC)	0.206	0.0100	0.0200	ug/L	1	0.200	---	103	80-120%	---	---	
1,1-Dichloroethene	0.185	0.0100	0.0200	ug/L	1	0.200	---	93	80-120%	---	---	
cis-1,2-Dichloroethene	0.186	0.0100	0.0200	ug/L	1	0.200	---	93	80-120%	---	---	
trans-1,2-Dichloroethene	0.199	0.0100	0.0200	ug/L	1	0.200	---	99	80-120%	---	---	
1,2-Dichloropropane	0.187	0.0100	0.0200	ug/L	1	0.200	---	94	80-120%	---	---	
cis-1,3-Dichloropropene	0.181	0.0100	0.0200	ug/L	1	0.200	---	91	80-120%	---	---	
trans-1,3-Dichloropropene	0.188	0.0100	0.0200	ug/L	1	0.200	---	94	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	0.177	0.0100	0.0200	ug/L	1	0.200	---	88	80-120%	---	---	
1,1,2,2-Tetrachloroethane	0.205	0.0100	0.0200	ug/L	1	0.200	---	102	80-120%	---	---	
Tetrachloroethene (PCE)	0.191	0.0100	0.0200	ug/L	1	0.200	---	96	80-120%	---	---	
Trichloroethene (TCE)	0.191	0.0100	0.0200	ug/L	1	0.200	---	96	80-120%	---	---	
1,2,3-Trichloropropane	0.211	0.0500	0.100	ug/L	1	0.200	---	105	80-120%	---	---	
Vinyl chloride	0.188	0.0100	0.0200	ug/L	1	0.200	---	94	80-120%	---	---	
1,1,2-Trichloroethane	0.238	0.0100	0.0200	ug/L	1	0.200	---	119	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 96 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*96 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*				*"*			
Duplicate (1060197-DUP1)			Prepared: 06/03/21 18:10		Analyzed: 06/03/21 21:59							
QC Source Sample: Non-SDG (A1E1052-11)												
Benzene	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Toluene	**0.0555**	0.0500	0.100	ug/L	1	---	0.0563	---	---	1	30%	J
Ethylbenzene	**0.0619**	0.0500	0.100	ug/L	1	---	0.0618	---	---	0.08	30%	J
m,p-Xylene	ND	0.200	0.200	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.100	0.100	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060197 - EPA 5030B							**Water**					
Duplicate (1060197-DUP1)			Prepared: 06/03/21 18:10 Analyzed: 06/03/21 21:59									
QC Source Sample: Non-SDG (A1E1052-11)												
1,2,4-Trimethylbenzene	ND	0.100	0.100	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.100	0.100	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	**0.102**	0.0100	0.0200	ug/L	1	---	0.0964	---	---	6	30%	
trans-1,2-Dichloroethene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	**0.0645**	0.0100	0.0200	ug/L	1	---	0.0655	---	---	2	30%	
Trichloroethene (TCE)	**0.0395**	0.0100	0.0200	ug/L	1	---	0.0394	---	---	0.08	30%	
1,2,3-Trichloropropane	ND	0.0500	0.100	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*96 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*99 %*	*80-120 %*			*"*					
Matrix Spike (1060197-MS1)			Prepared: 06/03/21 18:10 Analyzed: 06/03/21 23:19									
QC Source Sample: SW-1(052421) (A1E0987-01)												
EPA 8260D SIM												
Benzene	0.209	0.0500	0.100	ug/L	1	0.200	ND	104	79-120%	---	---	
Toluene	0.214	0.0500	0.100	ug/L	1	0.200	ND	107	80-121%	---	---	
Ethylbenzene	0.171	0.0500	0.100	ug/L	1	0.200	ND	85	79-121%	---	---	
m,p-Xylene	0.349	0.200	0.200	ug/L	1	0.400	ND	87	80-121%	---	---	Q-54
o-Xylene	0.167	0.100	0.100	ug/L	1	0.200	ND	84	78-122%	---	---	Q-54a
1,2,4-Trimethylbenzene	0.164	0.100	0.100	ug/L	1	0.200	ND	82	76-124%	---	---	Q-54d

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060197 - EPA 5030B							**Water**					
Matrix Spike (1060197-MS1)			Prepared: 06/03/21 18:10 Analyzed: 06/03/21 23:19									
QC Source Sample: SW-1(052421) (A1E0987-01)												
1,3,5-Trimethylbenzene	0.164	0.100	0.100	ug/L	1	0.200	ND	82	75-124%	---	---	Q-54d
Chloroform	0.219	0.0500	0.100	ug/L	1	0.200	ND	110	79-124%	---	---	
1,2-Dibromo-3-chloropropane	0.220	0.100	0.200	ug/L	1	0.200	ND	110	62-128%	---	---	
1,2-Dibromoethane (EDB)	0.211	0.0100	0.0200	ug/L	1	0.200	ND	105	77-121%	---	---	
1,1-Dichloroethane	0.217	0.0100	0.0200	ug/L	1	0.200	ND	109	77-125%	---	---	
1,2-Dichloroethane (EDC)	0.223	0.0100	0.0200	ug/L	1	0.200	ND	111	73-128%	---	---	
1,1-Dichloroethene	0.240	0.0100	0.0200	ug/L	1	0.200	ND	120	71-131%	---	---	
cis-1,2-Dichloroethene	0.195	0.0100	0.0200	ug/L	1	0.200	ND	98	78-123%	---	---	
trans-1,2-Dichloroethene	0.221	0.0100	0.0200	ug/L	1	0.200	ND	110	75-124%	---	---	
1,2-Dichloropropane	0.207	0.0100	0.0200	ug/L	1	0.200	ND	104	78-122%	---	---	
cis-1,3-Dichloropropene	0.192	0.0100	0.0200	ug/L	1	0.200	ND	96	75-124%	---	---	
trans-1,3-Dichloropropene	0.197	0.0100	0.0200	ug/L	1	0.200	ND	98	73-127%	---	---	
Methyl tert-butyl ether (MTBE)	0.194	0.0100	0.0200	ug/L	1	0.200	ND	97	71-124%	---	---	
1,1,2,2-Tetrachloroethane	0.221	0.0100	0.0200	ug/L	1	0.200	ND	111	71-121%	---	---	
Tetrachloroethene (PCE)	0.212	0.0100	0.0200	ug/L	1	0.200	ND	106	74-129%	---	---	
Trichloroethene (TCE)	0.212	0.0100	0.0200	ug/L	1	0.200	ND	106	79-123%	---	---	
1,2,3-Trichloropropane	0.231	0.0500	0.100	ug/L	1	0.200	ND	116	73-122%	---	---	
Vinyl chloride	0.279	0.0100	0.0200	ug/L	1	0.200	ND	**140**	**58-137%**	---	---	Q-01
1,1,2-Trichloroethane	0.245	0.0100	0.0200	ug/L	1	0.200	ND	**122**	**80-120%**	---	---	Q-01
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060206 - EPA 3510C (Neutral pH)							Water					
Blank (1060206-BLK1)			Prepared: 06/04/21 07:12		Analyzed: 06/04/21 17:34							C-07
EPA 8082A												
Aroclor 1016	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 76 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS (1060206-BS1)			Prepared: 06/04/21 07:12		Analyzed: 06/04/21 17:52							C-07
EPA 8082A												
Aroclor 1016	1.48	0.0200	0.0400	ug/L	1	2.50	---	59	46-129%	---	---	
Aroclor 1260	1.61	0.0200	0.0400	ug/L	1	2.50	---	64	45-134%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 75 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS Dup (1060206-BSD1)			Prepared: 06/04/21 07:12		Analyzed: 06/04/21 18:09							C-07, Q-19
EPA 8082A												
Aroclor 1016	1.66	0.0200	0.0400	ug/L	1	2.50	---	66	46-129%	12	30%	
Aroclor 1260	1.72	0.0200	0.0400	ug/L	1	2.50	---	69	45-134%	7	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 83 %*		*Limits: 40-135 %*			*Dilution: 1x*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050961 - EPA 3510C (Acid Extraction)							**Water**					
Blank (1050961-BLK2)			Prepared: 05/26/21 09:57 Analyzed: 05/26/21 19:35									
EPA 8270E												
Acenaphthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Naphthalene	**0.0666**	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	B
Phenanthrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Carbazole	ND	0.0136	0.0273	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.00909	0.0182	ug/L	1	---	---	---	---	---	---	
Bis(2-ethylhexyl)phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Butyl benzyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Diethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Dimethylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-butylphthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	
Di-n-octyl phthalate	ND	0.182	0.364	ug/L	1	---	---	---	---	---	---	

Surr: Nitrobenzene-d5 (Surr)	*Recovery: 71 %*	*Limits: 44-120 %*	*Dilution: 1x*
2-Fluorobiphenyl (Surr)	*60 %*	*44-120 %*	*"*
Phenol-d6 (Surr)	*26 %*	*10-133 %*	*"*
p-Terphenyl-d14 (Surr)	*72 %*	*50-134 %*	*"*
2-Fluorophenol (Surr)	*37 %*	*19-120 %*	*"*
2,4,6-Tribromophenol (Surr)	*84 %*	*43-140 %*	*"*

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050961 - EPA 3510C (Acid Extraction)							**Water**					
LCS (1050961-BS2)			Prepared: 05/26/21 09:57 Analyzed: 05/26/21 20:11									
EPA 8270E												
Acenaphthene	3.23	0.0400	0.0800	ug/L	4	4.00	---	81	47-122%	---	---	
Acenaphthylene	3.40	0.0400	0.0800	ug/L	4	4.00	---	85	41-130%	---	---	
Anthracene	3.49	0.0400	0.0800	ug/L	4	4.00	---	87	57-123%	---	---	
Benz(a)anthracene	3.55	0.0400	0.0800	ug/L	4	4.00	---	89	58-125%	---	---	
Benzo(a)pyrene	3.41	0.0600	0.120	ug/L	4	4.00	---	85	54-128%	---	---	
Benzo(b)fluoranthene	3.73	0.0600	0.120	ug/L	4	4.00	---	93	53-131%	---	---	
Benzo(k)fluoranthene	3.60	0.0600	0.120	ug/L	4	4.00	---	90	57-129%	---	---	
Benzo(g,h,i)perylene	3.46	0.0400	0.0800	ug/L	4	4.00	---	86	50-134%	---	---	
Chrysene	3.44	0.0400	0.0800	ug/L	4	4.00	---	86	59-123%	---	---	
Dibenz(a,h)anthracene	3.59	0.0400	0.0800	ug/L	4	4.00	---	90	51-134%	---	---	
Fluoranthene	3.72	0.0400	0.0800	ug/L	4	4.00	---	93	57-128%	---	---	
Fluorene	3.31	0.0400	0.0800	ug/L	4	4.00	---	83	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	3.37	0.0400	0.0800	ug/L	4	4.00	---	84	52-134%	---	---	
1-Methylnaphthalene	3.15	0.0800	0.160	ug/L	4	4.00	---	79	41-120%	---	---	
2-Methylnaphthalene	3.15	0.0800	0.160	ug/L	4	4.00	---	79	40-121%	---	---	
Naphthalene	2.82	0.0800	0.160	ug/L	4	4.00	---	71	40-121%	---	---	B
Phenanthrene	3.30	0.0400	0.0800	ug/L	4	4.00	---	82	59-120%	---	---	
Pyrene	3.71	0.0400	0.0800	ug/L	4	4.00	---	93	57-126%	---	---	
Carbazole	4.01	0.0600	0.120	ug/L	4	4.00	---	100	60-122%	---	---	
Dibenzofuran	3.29	0.0400	0.0800	ug/L	4	4.00	---	82	53-120%	---	---	
Bis(2-ethylhexyl)phthalate	3.88	0.800	1.60	ug/L	4	4.00	---	97	55-135%	---	---	
Butyl benzyl phthalate	3.88	0.800	1.60	ug/L	4	4.00	---	97	53-134%	---	---	
Diethylphthalate	3.55	0.800	1.60	ug/L	4	4.00	---	89	56-125%	---	---	
Dimethylphthalate	3.50	0.800	1.60	ug/L	4	4.00	---	87	45-127%	---	---	
Di-n-butylphthalate	3.83	0.800	1.60	ug/L	4	4.00	---	96	59-127%	---	---	
Di-n-octyl phthalate	3.98	0.800	1.60	ug/L	4	4.00	---	99	51-140%	---	---	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 79 %*		*Limits: 44-120 %*			*Dilution: 4x*				
2-Fluorobiphenyl (Surr)			*74 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*27 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*79 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*39 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*84 %*		*43-140 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050961 - EPA 3510C (Acid Extraction)							**Water**					
LCS Dup (1050961-BSD2)			Prepared: 05/26/21 09:57		Analyzed: 05/26/21 20:47							Q-19
EPA 8270E												
Acenaphthene	3.24	0.0400	0.0800	ug/L	4	4.00	---	81	47-122%	0.3	30%	
Acenaphthylene	3.38	0.0400	0.0800	ug/L	4	4.00	---	85	41-130%	0.6	30%	
Anthracene	3.45	0.0400	0.0800	ug/L	4	4.00	---	86	57-123%	1	30%	
Benz(a)anthracene	3.52	0.0400	0.0800	ug/L	4	4.00	---	88	58-125%	0.8	30%	
Benzo(a)pyrene	3.32	0.0600	0.120	ug/L	4	4.00	---	83	54-128%	3	30%	
Benzo(b)fluoranthene	3.60	0.0600	0.120	ug/L	4	4.00	---	90	53-131%	3	30%	
Benzo(k)fluoranthene	3.58	0.0600	0.120	ug/L	4	4.00	---	89	57-129%	0.5	30%	
Benzo(g,h,i)perylene	3.45	0.0400	0.0800	ug/L	4	4.00	---	86	50-134%	0.1	30%	
Chrysene	3.42	0.0400	0.0800	ug/L	4	4.00	---	85	59-123%	0.7	30%	
Dibenz(a,h)anthracene	3.65	0.0400	0.0800	ug/L	4	4.00	---	91	51-134%	2	30%	
Fluoranthene	3.58	0.0400	0.0800	ug/L	4	4.00	---	90	57-128%	4	30%	
Fluorene	3.39	0.0400	0.0800	ug/L	4	4.00	---	85	52-124%	3	30%	
Indeno(1,2,3-cd)pyrene	3.40	0.0400	0.0800	ug/L	4	4.00	---	85	52-134%	0.7	30%	
1-Methylnaphthalene	3.20	0.0800	0.160	ug/L	4	4.00	---	80	41-120%	2	30%	
2-Methylnaphthalene	3.17	0.0800	0.160	ug/L	4	4.00	---	79	40-121%	0.6	30%	
Naphthalene	2.84	0.0800	0.160	ug/L	4	4.00	---	71	40-121%	0.7	30%	B
Phenanthrene	3.23	0.0400	0.0800	ug/L	4	4.00	---	81	59-120%	2	30%	
Pyrene	3.59	0.0400	0.0800	ug/L	4	4.00	---	90	57-126%	3	30%	
Carbazole	3.95	0.0600	0.120	ug/L	4	4.00	---	99	60-122%	1	30%	
Dibenzofuran	3.33	0.0400	0.0800	ug/L	4	4.00	---	83	53-120%	1	30%	
Bis(2-ethylhexyl)phthalate	3.98	0.800	1.60	ug/L	4	4.00	---	99	55-135%	3	30%	
Butyl benzyl phthalate	3.83	0.800	1.60	ug/L	4	4.00	---	96	53-134%	1	30%	
Diethylphthalate	3.60	0.800	1.60	ug/L	4	4.00	---	90	56-125%	1	30%	
Dimethylphthalate	3.50	0.800	1.60	ug/L	4	4.00	---	87	45-127%	0.001	30%	
Di-n-butylphthalate	3.82	0.800	1.60	ug/L	4	4.00	---	96	59-127%	0.2	30%	
Di-n-octyl phthalate	3.89	0.800	1.60	ug/L	4	4.00	---	97	51-140%	2	30%	
Surr: Nitrobenzene-d5 (Surr)			*Recovery: 84 %*		*Limits: 44-120 %*			*Dilution: 4x*				
2-Fluorobiphenyl (Surr)			*77 %*		*44-120 %*			*"*				
Phenol-d6 (Surr)			*32 %*		*10-133 %*			*"*				
p-Terphenyl-d14 (Surr)			*81 %*		*50-134 %*			*"*				
2-Fluorophenol (Surr)			*45 %*		*19-120 %*			*"*				
2,4,6-Tribromophenol (Surr)			*82 %*		*43-140 %*			*"*				

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060183 - EPA 3015A							**Water**					
Blank (1060183-BLK1)			Prepared: 06/03/21 14:38		Analyzed: 06/04/21 00:06							
EPA 200.8												
Arsenic	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Mercury	ND	0.0400	0.0800	ug/L	1	---	---	---	---	---	---	
Zinc	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
LCS (1060183-BS1)			Prepared: 06/03/21 14:38		Analyzed: 06/04/21 00:11							
EPA 200.8												
Arsenic	55.9	0.500	1.00	ug/L	1	55.6	---	101	85-115%	---	---	
Cadmium	56.3	0.100	0.200	ug/L	1	55.6	---	101	85-115%	---	---	
Chromium	59.6	0.500	1.00	ug/L	1	55.6	---	107	85-115%	---	---	
Mercury	1.07	0.0400	0.0800	ug/L	1	1.11	---	97	85-115%	---	---	
Zinc	58.9	2.00	4.00	ug/L	1	55.6	---	106	85-115%	---	---	
Duplicate (1060183-DUP1)			Prepared: 06/03/21 14:38		Analyzed: 06/04/21 00:45							
QC Source Sample: Non-SDG (A1E0954-03)												
Arsenic	**1.68**	0.500	1.00	ug/L	1	---	1.70	---	---	1	20%	
Cadmium	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Chromium	**6.22**	0.500	1.00	ug/L	1	---	5.92	---	---	5	20%	
Mercury	ND	0.0400	0.0800	ug/L	1	---	ND	---	---	---	20%	
Zinc	**32.7**	2.00	4.00	ug/L	1	---	31.6	---	---	4	20%	
Matrix Spike (1060183-MS1)			Prepared: 06/03/21 14:38		Analyzed: 06/04/21 00:50							
QC Source Sample: Non-SDG (A1E0954-03)												
EPA 200.8												
Arsenic	58.4	0.500	1.00	ug/L	1	55.6	1.70	102	70-130%	---	---	
Cadmium	56.5	0.100	0.200	ug/L	1	55.6	ND	102	70-130%	---	---	
Chromium	65.1	0.500	1.00	ug/L	1	55.6	5.92	107	70-130%	---	---	
Mercury	1.06	0.0400	0.0800	ug/L	1	1.11	ND	96	70-130%	---	---	
Zinc	92.3	2.00	4.00	ug/L	1	55.6	31.6	109	70-130%	---	---	
Matrix Spike (1060183-MS2)			Prepared: 06/03/21 14:38		Analyzed: 06/04/21 02:17							

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060183 - EPA 3015A							**Water**					
Matrix Spike (1060183-MS2)			Prepared: 06/03/21 14:38		Analyzed: 06/04/21 02:17							
QC Source Sample: DUP(052421) (A1E0987-03)												
Arsenic	55.8	0.500	1.00	ug/L	1	55.6	ND	101	70-130%	---	---	
Cadmium	54.3	0.100	0.200	ug/L	1	55.6	ND	98	70-130%	---	---	
Chromium	63.1	0.500	1.00	ug/L	1	55.6	5.49	104	70-130%	---	---	
Mercury	1.10	0.0400	0.0800	ug/L	1	1.11	ND	99	70-130%	---	---	
Zinc	159	2.00	4.00	ug/L	1	55.6	104	98	70-130%	---	---	

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 200.8 (ICPMS) - Low Level

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1060937 - EPA 3015A								**Water**				
Blank (1060937-BLK1)			Prepared: 06/22/21 12:27		Analyzed: 06/22/21 21:06							
EPA 200.8-LL												
Arsenic	ND	0.0250	0.0500	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.0250	0.0500	ug/L	1	---	---	---	---	---	---	
LCS (1060937-BS1)			Prepared: 06/22/21 12:27		Analyzed: 06/22/21 21:27							
EPA 200.8-LL												
Arsenic	5.40	0.0250	0.0500	ug/L	1	5.56	---	97	85-115%	---	---	
Cadmium	5.25	0.0250	0.0500	ug/L	1	5.56	---	95	85-115%	---	---	
Duplicate (1060937-DUP1)			Prepared: 06/22/21 12:27		Analyzed: 06/22/21 21:41							
QC Source Sample: Non-SDG (A1E0630-01)												
Arsenic	**16.3**	0.0250	0.0500	ug/L	1	---	16.3	---	---	0.03	20%	
Cadmium	**0.150**	0.0250	0.0500	ug/L	1	---	0.143	---	---	5	20%	
Matrix Spike (1060937-MS1)			Prepared: 06/22/21 12:27		Analyzed: 06/22/21 21:47							
QC Source Sample: Non-SDG (A1E0630-01)												
EPA 200.8-LL												
Arsenic	21.6	0.0250	0.0500	ug/L	1	5.56	16.3	96	70-130%	---	---	
Cadmium	5.41	0.0250	0.0500	ug/L	1	5.56	0.143	95	70-130%	---	---	
Matrix Spike (1060937-MS2)			Prepared: 06/22/21 17:28		Analyzed: 06/22/21 23:25							
QC Source Sample: DUP(052421) (A1E0987-03)												
Arsenic	6.09	0.0250	0.0500	ug/L	1	5.56	0.549	100	70-130%	---	---	
Cadmium	5.34	0.0250	0.0500	ug/L	1	5.56	0.0632	95	70-130%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1051074 - Total Suspended Solids									Water			
Blank (1051074-BLK1)			Prepared: 05/28/21 09:37		Analyzed: 06/01/21 09:46							
SM 2540 D												
Total Suspended Solids	ND	5.00	5.00	mg/L	1	---	---	---	---	---	---	
Duplicate (1051074-DUP1)			Prepared: 05/28/21 09:37		Analyzed: 06/01/21 09:46							
QC Source Sample: Non-SDG (A1E0950-01RE1)												
Total Suspended Solids	ND	5.00	5.00	mg/L	1	---	ND	---	---	---	10%	
Duplicate (1051074-DUP2)			Prepared: 05/28/21 09:37		Analyzed: 06/01/21 09:46							
QC Source Sample: Non-SDG (A1E1021-01)												
Total Suspended Solids	**5.00**	5.00	5.00	mg/L	1	---	ND	---	---		**10%**	Q-05
Reference (1051074-SRM1)			Prepared: 05/28/21 09:37		Analyzed: 06/01/21 09:46							
SM 2540 D												
Total Suspended Solids	924			mg/L	1	951		97	87-116%	---	---	

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: Former Automatic Vending Co.	
9450 SW Commerce Circle	Project Number: BCSAmerica-1-02	Report ID:
Wilsonville, OR 97070	Project Manager: Kyle Haggart	A1E0987 - 07 01 21 2227

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050917							
A1E0987-01RE1	Water	NWTPH-Dx	05/24/21 09:30	05/25/21 13:32	1030mL/5mL	1000mL/5mL	0.97
A1E0987-02	Water	NWTPH-Dx	05/24/21 09:45	05/25/21 13:32	1050mL/5mL	1000mL/5mL	0.95
A1E0987-03RE1	Water	NWTPH-Dx	05/24/21 09:35	05/25/21 13:32	960mL/5mL	1000mL/5mL	1.04

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: 1060007							
A1E0987-01	Water	NWTPH-Gx (MS)	05/24/21 09:30	06/01/21 10:05	5mL/5mL	5mL/5mL	1.00
A1E0987-02	Water	NWTPH-Gx (MS)	05/24/21 09:45	06/01/21 10:05	5mL/5mL	5mL/5mL	1.00
A1E0987-03	Water	NWTPH-Gx (MS)	05/24/21 09:35	06/01/21 10:05	5mL/5mL	5mL/5mL	1.00

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: 1060007							
A1E0987-01	Water	EPA 8260D	05/24/21 09:30	06/01/21 10:05	5mL/5mL	5mL/5mL	1.00
A1E0987-02	Water	EPA 8260D	05/24/21 09:45	06/01/21 10:05	5mL/5mL	5mL/5mL	1.00
A1E0987-03	Water	EPA 8260D	05/24/21 09:35	06/01/21 10:05	5mL/5mL	5mL/5mL	1.00

Volatile Organic Compounds by EPA 8260D SIM

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1060197							
A1E0987-01	Water	EPA 8260D SIM	05/24/21 09:30	06/03/21 18:10	5mL/5mL	5mL/5mL	1.00
A1E0987-02	Water	EPA 8260D SIM	05/24/21 09:45	06/03/21 18:10	5mL/5mL	5mL/5mL	1.00
A1E0987-03	Water	EPA 8260D SIM	05/24/21 09:35	06/03/21 18:10	5mL/5mL	5mL/5mL	1.00
A1E0987-04	Water	EPA 8260D SIM	05/24/21 00:00	06/03/21 18:10	5mL/5mL	5mL/5mL	1.00
A1E0987-05	Water	EPA 8260D SIM	05/24/21 00:00	06/03/21 18:10	5mL/5mL	5mL/5mL	1.00
A1E0987-06	Water	EPA 8260D SIM	05/24/21 00:00	06/03/21 18:10	5mL/5mL	5mL/5mL	1.00

Polychlorinated Biphenyls by EPA 8082A

Apex Laboratories

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.

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1060206							
A1E0987-01	Water	EPA 8082A	05/24/21 09:30	06/04/21 07:12	940mL/2mL	1000mL/2mL	1.06
A1E0987-02	Water	EPA 8082A	05/24/21 09:45	06/04/21 07:12	1070mL/2mL	1000mL/2mL	0.94
A1E0987-03	Water	EPA 8082A	05/24/21 09:35	06/04/21 07:12	1000mL/2mL	1000mL/2mL	1.00

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050961							
A1E0987-01RE1	Water	EPA 8270E	05/24/21 09:30	05/26/21 14:16	1060mL/1mL	1000mL/1mL	0.94
A1E0987-02RE1	Water	EPA 8270E	05/24/21 09:45	05/26/21 14:16	1060mL/1mL	1000mL/1mL	0.94
A1E0987-03RE1	Water	EPA 8270E	05/24/21 09:35	05/26/21 14:16	1050mL/1mL	1000mL/1mL	0.95

Total Metals by EPA 200.8 (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1060183							
A1E0987-01	Water	EPA 200.8	05/24/21 09:30	06/03/21 14:38	45mL/50mL	45mL/50mL	1.00
A1E0987-02	Water	EPA 200.8	05/24/21 09:45	06/03/21 14:38	45mL/50mL	45mL/50mL	1.00
A1E0987-03	Water	EPA 200.8	05/24/21 09:35	06/03/21 14:38	45mL/50mL	45mL/50mL	1.00

Total Metals by EPA 200.8 (ICPMS) - Low Level

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1060937							
A1E0987-01	Water	EPA 200.8-LL	05/24/21 09:30	06/22/21 17:28	45mL/50mL	45mL/50mL	1.00
A1E0987-03	Water	EPA 200.8-LL	05/24/21 09:35	06/22/21 17:28	45mL/50mL	45mL/50mL	1.00

Solid and Moisture Determinations

Prep: Total Suspended Solids

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1051074							
A1E0987-01	Water	SM 2540 D	05/24/21 09:30	05/28/21 09:37			NA

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

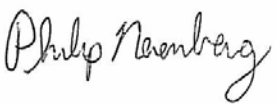
SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Suspended Solids

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A1E0987-02	Water	SM 2540 D	05/24/21 09:45	05/28/21 09:37			NA
A1E0987-03	Water	SM 2540 D	05/24/21 09:35	05/28/21 09:37			NA

Apex Laboratories



Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

QUALIFIER DEFINITIONS

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

Apex Laboratories

B	Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
F-17	No fuel pattern detected. The Diesel result represents carbon range C12 to C24, and the Oil result represents >C24 to C40.
F-24	The chromatographic pattern does not resemble the fuel standard used for quantitation. The Diesel result represents carbon range C12 to C24, and the Oil result represents >C24 to C40.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +-1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -1%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -10%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -3%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -4%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
R-04	Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
S-06	Surrogate recovery is outside of established control limits.
V-01	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

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.

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

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

Philip Nerenberg

Philip Nerenberg, Lab Director

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

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.

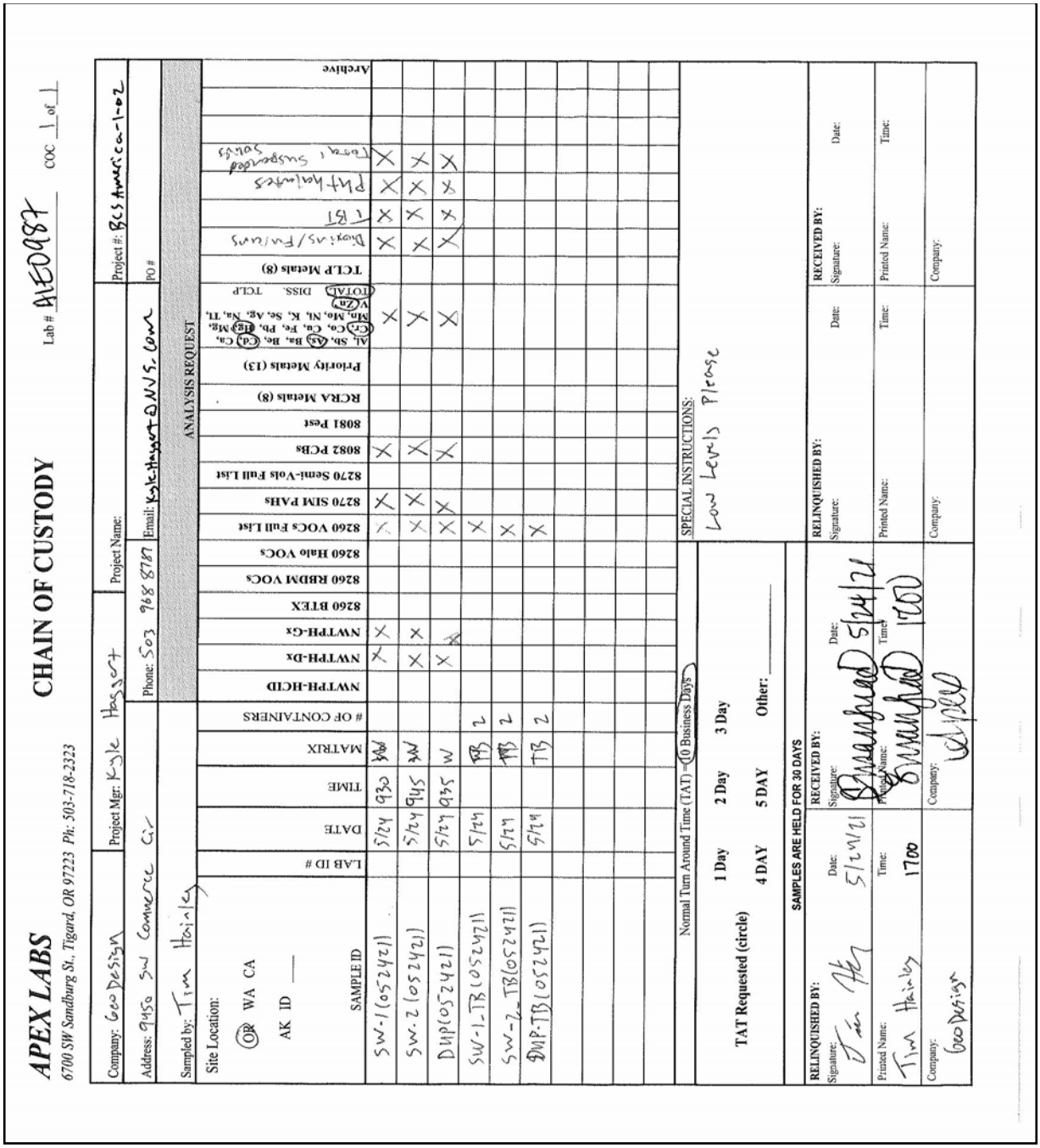
Field Testing Parameters

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

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**



APEX LABS — CHAIN OF CUSTODY — Lab # A1E0987 — COC 1 of 1

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

Company: GeoDesign | Project Mgr: Kyle Haggart | Project Name: | Project #: BCSAmerica-1-02

Address: 9450 SW Commerce Cir | Phone: 503 968 8787 | Email: kylehaggart@GNW.com | PO #

Sampled by: Tim Hanley

Site Location: (OR) WA CA AK ID —

SAMPLE ID	LAB 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 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn (TOTAL) DISS TCLP	TCLP Metals (8)	Diesel/Fuels	cBT	PAH Analytes	Each Suspected Solvent	Archive
SW-1(052421)		5/24	930	WW			X	X				X	X		X				X	X	X	X	X	
SW-2(052421)		5/24	945	WW			X	X				X	X		X				X	X	X	X	X	
DUP(052421)		5/24	935	W			X	X				X	X		X				X	X	X	X	X	
SW-1_TB(052421)		5/24		TB	2							X												
SW-2_TB(052421)		5/24		TB	2							X												
DUP-TB(052421)		5/24		TB	2							X												

Normal Turn Around Time (TAT) = (10 Business Days)

1 Day 2 Day 3 Day

TAT Requested (circle)

4 DAY 5 DAY Other: _____

SPECIAL INSTRUCTIONS: Low Levels Please

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:	RELINQUISHED BY:	Date:	Time:	RECEIVED BY:	Date:	Time:
Signature:	5/24/21		Signature:	5/24/21		Signature:	5/24/21		Signature:		
Printed Name: Tim Hanley		1700	Printed Name:		1700	Printed Name:		1700	Printed Name:		
Company: GeoDesign			Company:			Company:			Company:		

Apex Laboratories

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.

Philip Nerenberg

Philip Nerenberg, Lab Director

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

ANALYTICAL REPORT

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
9450 SW Commerce Circle	Project Number: **BCSAmerica-1-02**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Kyle Haggart**	**A1E0987 - 07 01 21 2227**

APEX LABS COOLER RECEIPT FORM

Client: GeoDesign Element WO#: A1E0987

Project/Project #: BCSAmerica - 1-02

Delivery Info:

Date/time received: 5/24/21 @ 1700 By: SC

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

Cooler Inspection Date/time inspected: 5/24/21 @ 1715 By: SC

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)	2.9	4.3	3.8				
Received on ice? (Y/N)	Y	Y	Y				
Temp. blanks? (Y/N)	Y	Y	Y				
Ice type: (Gel/Real/Other)	real/gel	real/gel	real/gel				
Condition:	good	good	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: 5/25/21 @ 1158 By: DMC

All samples intact? Yes X No (X) Comments: SW-2 '18 UP Ambers lid received cracked & replaced in lab. anc 5/25/21

Bottle labels/COCs agree? Yes (X) No (X) Comments: TB #2743. IDs on TB's reads SW-1(052421), TB-2(052421), DUP(052421). SW DUP T on '18 UP Ambers reads 955. anc 5/25/21

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 X No ___ NA ___

Comments SW-1_TB 052421 Y2 #8.

Water samples: pH checked: Yes Y No___ NA___ pH appropriate? Yes X No___ NA___

Comments: ___

Additional information: ___

Labeled by: AWL Witness: (initials) Cooler Inspected by: SC 05/24/21

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-60155-1
Client Project/Site: A1E0987

For:
Apex Laboratories LLC
6700 SW Sandburg St.
Tigard, Oregon 97223

Attn: Philip Nerenberg

Authorized for release by:
6/10/2021 9:00:02 AM

Lori Thompson, Project Manager I
(714)895-5494
Lori.Thompson@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
Surrogate Summary 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Certification Summary 11
Method Summary 12
Sample Summary 13
Chain of Custody 14
Receipt Checklists 15

Definitions/Glossary

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-60155-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-60155-1

Comments
No additional comments.

Receipt
The samples were received on 5/26/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

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

Organic Prep
Method Organotin: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-153942. LCS/LCSD were performed to meet QC requirements.

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

Detection Summary

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Client Sample ID: SW-1(052421) — Lab Sample ID: 570-60155-1

No Detections.

Client Sample ID: SW-2(052421) — Lab Sample ID: 570-60155-2

No Detections.

Client Sample ID: DUP(052421) — Lab Sample ID: 570-60155-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Client Sample ID: SW-1(052421)
Date Collected: 05/24/21 09:30
Date Received: 05/26/21 10:30

Lab Sample ID: 570-60155-1
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.3	2.1	ng/L		05/28/21 18:45	06/03/21 17:24	1
Tributyltin	ND		3.3	1.5	ng/L		05/28/21 18:45	06/03/21 17:24	1
Dibutyltin	ND		3.3	1.9	ng/L		05/28/21 18:45	06/03/21 17:24	1
Monobutyltin	ND		3.3	2.6	ng/L		05/28/21 18:45	06/03/21 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*53*		*10 - 120*	*05/28/21 18:45*	*06/03/21 17:24*	*1*

Client Sample ID: SW-2(052421)
Date Collected: 05/24/21 09:45
Date Received: 05/26/21 10:30

Lab Sample ID: 570-60155-2
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		2.9	1.8	ng/L		05/28/21 18:45	06/03/21 17:42	1
Tributyltin	ND		2.9	1.3	ng/L		05/28/21 18:45	06/03/21 17:42	1
Dibutyltin	ND		2.9	1.7	ng/L		05/28/21 18:45	06/03/21 17:42	1
Monobutyltin	ND		2.9	2.3	ng/L		05/28/21 18:45	06/03/21 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*64*		*10 - 120*	*05/28/21 18:45*	*06/03/21 17:42*	*1*

Client Sample ID: DUP(052421)
Date Collected: 05/24/21 09:35
Date Received: 05/26/21 10:30

Lab Sample ID: 570-60155-3
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		2.9	1.9	ng/L		05/28/21 18:45	06/03/21 17:59	1
Tributyltin	ND		2.9	1.3	ng/L		05/28/21 18:45	06/03/21 17:59	1
Dibutyltin	ND		2.9	1.7	ng/L		05/28/21 18:45	06/03/21 17:59	1
Monobutyltin	ND		2.9	2.3	ng/L		05/28/21 18:45	06/03/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*45*		*10 - 120*	*05/28/21 18:45*	*06/03/21 17:59*	*1*

Surrogate Summary

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Method: Organotins SIM - Organotins (GC/MS SIM)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TPTT (10-120)							
570-60155-1	SW-1(052421)	53							
570-60155-2	SW-2(052421)	64							
570-60155-3	DUP(052421)	45							
LCS 570-153942/2-A	Lab Control Sample	60							
LCSD 570-153942/3-A	Lab Control Sample Dup	60							
MB 570-153942/1-A	Method Blank	31							

Surrogate Legend

TPTT = Tripentyltin

Method: Organotins SIM - Organotins (GC/MS SIM)

Lab Sample ID: MB 570-153942/1-A
Matrix: Water
Analysis Batch: 154804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 153942

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrabutyltin	ND		3.0	1.9	ng/L		05/28/21 18:45	06/03/21 16:31	1
Tributyltin	ND		3.0	1.4	ng/L		05/28/21 18:45	06/03/21 16:31	1
Dibutyltin	ND		3.0	1.8	ng/L		05/28/21 18:45	06/03/21 16:31	1
Monobutyltin	ND		3.0	2.4	ng/L		05/28/21 18:45	06/03/21 16:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tripentyltin	*31*		*10 - 120*	*05/28/21 18:45*	*06/03/21 16:31*	*1*

Lab Sample ID: LCS 570-153942/2-A
Matrix: Water
Analysis Batch: 155808

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 153942

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrabutyltin			200	187.8		ng/L		94	21 - 124		
Tributyltin			200	116.1		ng/L		58	10 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tripentyltin	*60*		*10 - 120*

Lab Sample ID: LCSD 570-153942/3-A
Matrix: Water
Analysis Batch: 155808

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 153942

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrabutyltin			200	175.5		ng/L		88	21 - 124	7	30
Tributyltin			200	121.4		ng/L		61	10 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tripentyltin	*60*		*10 - 120*

QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

GC/MS Semi VOA

Prep Batch: 153942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-60155-1	SW-1(052421)	Total/NA	Water	Organotin	
570-60155-2	SW-2(052421)	Total/NA	Water	Organotin	
570-60155-3	DUP(052421)	Total/NA	Water	Organotin	
MB 570-153942/1-A	Method Blank	Total/NA	Water	Organotin	
LCS 570-153942/2-A	Lab Control Sample	Total/NA	Water	Organotin	
LCSD 570-153942/3-A	Lab Control Sample Dup	Total/NA	Water	Organotin	

Analysis Batch: 154804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-60155-1	SW-1(052421)	Total/NA	Water	Organotins SIM	153942
570-60155-2	SW-2(052421)	Total/NA	Water	Organotins SIM	153942
570-60155-3	DUP(052421)	Total/NA	Water	Organotins SIM	153942
MB 570-153942/1-A	Method Blank	Total/NA	Water	Organotins SIM	153942

Analysis Batch: 155808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-153942/2-A	Lab Control Sample	Total/NA	Water	Organotins SIM	153942
LCSD 570-153942/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins SIM	153942

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Client Sample ID: SW-1(052421)
Date Collected: 05/24/21 09:30
Date Received: 05/26/21 10:30

Lab Sample ID: 570-60155-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			917.2 mL	1 mL	153942	05/28/21 18:45	USUL	ECL 1
Total/NA	Analysis	Organotins SIM		1			154804	06/03/21 17:24	ULLI	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: SW-2(052421)
Date Collected: 05/24/21 09:45
Date Received: 05/26/21 10:30

Lab Sample ID: 570-60155-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1049.8 mL	1 mL	153942	05/28/21 18:45	USUL	ECL 1
Total/NA	Analysis	Organotins SIM		1			154804	06/03/21 17:42	ULLI	ECL 1
	Instrument ID: GCMSY									

Client Sample ID: DUP(052421)
Date Collected: 05/24/21 09:35
Date Received: 05/26/21 10:30

Lab Sample ID: 570-60155-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Organotin			1042.4 mL	1 mL	153942	05/28/21 18:45	USUL	ECL 1
Total/NA	Analysis	Organotins SIM		1			154804	06/03/21 17:59	ULLI	ECL 1
	Instrument ID: GCMSY									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22
Washington	State	C916-18	10-11-21

Method Summary

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Method	Method Description	Protocol	Laboratory
Organotins SIM	Organotins (GC/MS SIM)	Lab SOP	ECL 1
Organotin	Extraction (Organotins)	WRC	ECL 1

Protocol References:

Lab SOP = Laboratory Standard Operating Procedure

WRC = WRC Notebook 11431-39, ICI America's Western Research Center May, 1989.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Apex Laboratories LLC
Project/Site: A1E0987

Job ID: 570-60155-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-60155-1	SW-1(052421)	Water	05/24/21 09:30	05/26/21 10:30	
570-60155-2	SW-2(052421)	Water	05/24/21 09:45	05/26/21 10:30	
570-60155-3	DUP(052421)	Water	05/24/21 09:35	05/26/21 10:30	

60155

SUBCONTRACT ORDER

Apex Laboratories

CAS 5/25/21 **A1E0987** ✓ D

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Eurofins_CalScience
7440 Lincoln Way
Garden Grove, CA 92841-1427
Phone :(714) 895-5494
Fax: (714) 894-7501

Sample Name: SW-1(052421) **Water** **Sampled: 05/24/21 09:30** (A1E0987-01) ✓

Analysis	Due CAS 5/25/21	Expires	Comments
TBT, Butyl Tins (4) (Sub)	~~06/07/21~~ 17:00 6/10/21	06/07/21 09:30	
Containers Supplied:			
(P) 1 L Amber Glass - Non Preserved			
(Q) 1 L Amber Glass - Non Preserved			

1/8 UP Amber lids received cracked and replace

Sample Name: SW-2(052421) **Water** **Sampled: 05/24/21 09:45** (A1E0987-02) ✓

Analysis	Due CAS 5/25/21	Expires	Comments
TBT, Butyl Tins (4) (Sub)	~~06/07/21~~ 17:00 6/10/21	06/07/21 09:45	
Containers Supplied:			
(P) 1 L Amber Glass - Non Preserved			
(Q) 1 L Amber Glass - Non Preserved			

T on 1/ 8 UP Ambers reads 955.

Sample Name: DUP(052421) **Water** **Sampled: 05/24/21 09:35** (A1E0987-03) ✓

Analysis	Due CAS 5/25/21	Expires	Comments
TBT, Butyl Tins (4) (Sub)	~~06/07/21~~ 17:00 6/10/21	06/07/21 09:35	
Containers Supplied:			
(P) 1 L Amber Glass - Non Preserved			
(Q) 1 L Amber Glass - Non Preserved			

Standard TAT

570-60155 COC

Released By	Date	Received By	Date
[signature]	5/25/21	Fed Ex (Shipper)	
Fed Ex (Shipper)		[signature]	5/26/21 10:30
Released By	Date	Received By	Date

3.5/3.9 SCT

Login Sample Receipt Checklist

Client: Apex Laboratories LLC

Job Number: 570-60155-1

Login Number: 60155
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

CFA | Cape Fear Analytical LLC
an affiliate of The GEL Group INC

3306 Kitty Hawk Road, Suite 120 Wilmington, NC 28405
P 910.795.0421
www.capefearanalytical.com

June 16, 2021

Mr. Philip Nerenberg
Apex Laboratories
6700 SW Sandburg Street
Portland, Oregon 97223

Re: DXN & PCB Subcontract
Work Order: 18200
SDG: A1E0987

Dear Mr. Nerenberg:

Cape Fear Analytical LLC (CFA) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on May 26, 2021. This original data report has been prepared and reviewed in accordance with CFA's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at 910-795-0421.

Sincerely,

Cynde Larkins

Cynde Larkins
Project Manager

Enclosures

problem solved

SUBCONTRACT ORDER

Apex Laboratories

OBS725/21 **A1E0987** CFA WO#18200

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Philip Nerenberg

RECEIVING LABORATORY:

Cape Fear Analytical, LLC
3306 Kitty Hawk Rd Suite 120
Wilmington, NC 28405
Phone :(910) 795-0421
Fax: -

Sample Name: SW-1(052421) **Water** **Sampled: 05/24/21 09:30** (A1E0987-01)

Analysis	Due OBS725/21	Expires	Comments
1613B Dioxins and Furans (SUB)	~~06/07/21~~ 17:00 6/10/21	05/24/22 09:30	
Containers Supplied:			
(N)1 L Amber Glass - Non Preserved			
(O)1 L Amber Glass - Non Preserved			

1/8 UP Amber lids received cracked and replace

Sample Name: SW-2(052421) **Water** **Sampled: 05/24/21 09:45** (A1E0987-02)

Analysis	Due OBS725/21	Expires	Comments
1613B Dioxins and Furans (SUB)	~~06/07/21~~ 17:00 6/10/21	05/24/22 09:45	
Containers Supplied:			
(N)1 L Amber Glass - Non Preserved			
(O)1 L Amber Glass - Non Preserved			

T on 1/ 8 UP Ambers reads 955.

Sample Name: DUP(052421) **Water** **Sampled: 05/24/21 09:35** (A1E0987-03)

Analysis	Due OBS725/21	Expires	Comments
1613B Dioxins and Furans (SUB)	~~06/07/21~~ 17:00 6/10/21	05/24/22 09:35	
Containers Supplied:			
(N)1 L Amber Glass - Non Preserved			
(O)1 L Amber Glass - Non Preserved			

Standard TAT

temp.=1.5°C

Released By	Date	Received By	Date
	5/25/21	Fed Ex (Shipper)	
Fed Ex (Shipper)			
Released By	Date	Received By	Date
			5/26/21 11:27

SAMPLE RECEIPT CHECKLIST

Cape Fear Analytical

Client: Apex	Work Order: 18200
Shipping Company: FedEx	Date/Time Received: 5/26/21 11:27

Suspected Hazard Information	Yes	NA	No
Shipped as DOT Hazardous?			✓
Samples identified as Foreign Soil?			✓

DOE Site Sample Packages	Yes	NA	No*
Screened <0.5 mR/hr?		✓	
Samples < 2x background?		✓	

* Notify RSO of any responses in this column immediately.

Air Sample Receipt Specifics	Yes	NA	No
Air sample in shipment?			✓

Air Witness: _____

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: seals broken damaged container leaking container other(describe)
2	Custody seal/s present on cooler?			✓	Seal intact? Yes No
3	Chain of Custody documents included with shipment?	✓			
4	Samples requiring cold preservation within 0-6°C?	✓			Preservation Method: ice bags loose ice blue ice dry ice none other (describe) Temperature Blank present: (Yes) No 1.6-0.1=1.5°C
5	Aqueous samples found to have visible solids?	✓		✓	Sample IDs, containers affected: SW-2 and Dup Minimal Solids
5	Samples requiring chemical preservation at proper pH?	✓			Sample IDs, containers affected and pH observed: all-pH=7 If preservative added, Lot#:
7	Samples requiring preservation have no residual chlorine?	✓			Sample IDs, containers affected: If preservative added, Lot#:
8	Samples received within holding time?	✓			Sample IDs, tests affected:
9	Sample IDs on COC match IDs on containers?	✓			Sample IDs, containers affected:
10	Date & time of COC match date & time on containers?	✓			Sample IDs, containers affected:
11	Number of containers received match number indicated on COC?	✓			List type and number of containers / Sample IDs, containers affected: received 6-1L NM bottles
12	COC form is properly signed in relinquished/received sections?	✓			

Comments:

Checklist performed by: Initials: VD Date: 5/26/21

CF-UD-F-7

High Resolution Dioxins and Furans Analysis

Case Narrative

HDOX Case Narrative
Apex Laboratories (APEX)
SDG A1E0987
Work Order 18200

Method/Analysis Information

Product:	**Dioxins/Furans by EPA Method 1613B in Liquids**
Analytical Method:	EPA Method 1613B
Extraction Method:	SW846 3520C
Analytical Batch Number:	47016
Clean Up Batch Number:	47011
Extraction Batch Number:	47010

Sample Analysis

Samples were received at 1.5°C. (18200001,18200002,18200003).
The following samples were analyzed using the analytical protocol as established in EPA Method 1613B:

Sample ID	Client ID
12029472	Method Blank (MB)
12029473	Laboratory Control Sample (LCS)
12029474	Laboratory Control Sample Duplicate (LCSD)
18200001	SW-1(052421)
18200002	SW-2(052421)
18200003	DUP(052421)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by Cape Fear Analytical LLC (CFA) as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with CF-OA-E-002 REV# 20.

Raw data reports are processed and reviewed by the analyst using the TargetLynx software package.

Calibration Information

Initial Calibration
All initial calibration requirements have been met for this sample delivery group (SDG).

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CVS) met the acceptance criteria.

Quality Control (QC) Information

Certification Statement
The test results presented in this document are certified to meet all requirements of the 2009 TNI Standard.

Method Blank (MB) Statement
The MB(s) analyzed with this SDG met the acceptance criteria.

Surrogate Recoveries
All surrogate recoveries were within the established acceptance criteria for this SDG.

Laboratory Control Sample (LCS) Recovery
The LCS spike recoveries met the acceptance limits.

Laboratory Control Sample Duplicate (LCSD) Recovery
The LCSD spike recoveries met the acceptance limits.

LCS/LCSD Relative Percent Difference (RPD) Statement
The RPD(s) between the LCS and LCSD met the acceptance limits.

QC Sample Designation
A matrix spike and matrix spike duplicate analysis was not required for this SDG.

Technical Information

Receipt Temperature
Samples were received within temperature requirements.

Holding Time Specifications
CFA assigns holding times based on the associated methodology, which assigns the date and time from sample collection. Those holding times expressed in hours are calculated in the AlphaLIMS system. Those holding times expressed as days expire at midnight on the day of expiration. All samples in this SDG met the specified holding time.

Preparation/Analytical Method Verification
All procedures were performed as stated in the SOP.

Sample Dilutions
The samples in this SDG did not require dilutions.

Sample Re-extraction/Re-analysis
Re-extractions or re-analyses were not required in this SDG.

Miscellaneous Information

Nonconformance (NCR) Documentation
A NCR was not required for this SDG.

Manual Integrations
Certain standards and QC samples required manual integrations to correctly position the baseline as set in the calibration standard injections. Where manual integrations were performed, copies of all manual integration peak profiles are included in the raw data section of this fraction. Manual integrations were required for data files in this SDG.

System Configuration

This analysis was performed on the following instrument configuration:

Instrument ID	Instrument	System Configuration	Column ID	Column Description
HRP763_1	Primary Dioxin Analysis	Dioxin Analysis	DB-5MS	60m x 0.25mm, 0.25um

Sample Data Summary

Cape Fear Analytical, LLC
3306 Kitty Hawk Road Suite 120, Wilmington, NC 28405 - (910) 795-0421 - www.capefearanalytical.com

Qualifier Definition Report
for

APEX001 Apex Laboratories

Client SDG: A1E0987 CFA Work Order: 18200

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

J Value is estimated

K Estimated Maximum Possible Concentration

U Analyte was analyzed for, but not detected above the specified detection limit.

DL Indicates that sample is diluted.
RA Indicates that sample is re-analyzed without re-extraction.
RE Indicates that sample is re-extracted.

Review/Validation

Cape Fear Analytical requires all analytical data to be verified by a qualified data reviewer.

The following data validator verified the information presented in this case narrative:

Signature: **Name: Erin Suhrie**

Date: 16 JUN 2021 **Title: Data Validator**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18200001**	**Date Collected:**	**05/24/2021 09:30**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**05/26/2021 11:27**		
Client ID:	**SW-1(052421)**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 18:54**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-12**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**1009.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	2.55	pg/L	2.55	9.90
40321-76-4	1,2,3,7,8-PeCDD	U	1.48	pg/L	1.48	49.5
39227-28-6	1,2,3,4,7,8-HxCDD	U	1.72	pg/L	1.72	49.5
57653-85-7	1,2,3,6,7,8-HxCDD	U	1.65	pg/L	1.65	49.5
19408-74-3	1,2,3,7,8,9-HxCDD	U	1.70	pg/L	1.70	49.5
35822-46-9	1,2,3,4,6,7,8-HpCDD	U	3.64	pg/L	3.64	49.5
3268-87-9	1,2,3,4,6,7,8,9-OCDD	J	8.71	pg/L	5.17	99.0
51207-31-9	2,3,7,8-TCDF	U	3.25	pg/L	3.25	9.90
57117-41-6	1,2,3,7,8-PeCDF	U	1.55	pg/L	1.55	49.5
57117-31-4	2,3,4,7,8-PeCDF	U	1.44	pg/L	1.44	49.5
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.09	pg/L	1.09	49.5
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.13	pg/L	1.13	49.5
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.12	pg/L	1.12	49.5
72918-21-9	1,2,3,7,8,9-HxCDF	U	1.74	pg/L	1.74	49.5
67562-39-4	1,2,3,4,6,7,8-HpCDF	U	1.61	pg/L	1.61	49.5
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	2.38	pg/L	2.38	49.5
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	4.28	pg/L	4.28	99.0
41903-57-5	Total TeCDD	U	2.55	pg/L	2.55	9.90
36088-22-9	Total PeCDD	U	1.48	pg/L	1.48	49.5
34465-46-8	Total HxCDD	U	1.65	pg/L	1.65	49.5
37871-00-4	Total HpCDD	U	3.64	pg/L	3.64	49.5
30402-14-3	Total TeCDF	U	3.25	pg/L	3.25	9.90
30402-15-4	Total PeCDF	U	1.44	pg/L	1.44	49.5
55684-94-1	Total HxCDF	U	1.09	pg/L	1.09	49.5
38998-75-3	Total HpCDF	U	1.61	pg/L	1.61	49.5
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.00261	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		2.96	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1170	1980	pg/L	59.1	(25%-164%)
13C-1,2,3,7,8-PeCDD		1240	1980	pg/L	62.8	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1090	1980	pg/L	54.8	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1220	1980	pg/L	61.8	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1190	1980	pg/L	59.8	(23%-140%)
13C-OCDD		2090	3960	pg/L	52.7	(17%-157%)
13C-2,3,7,8-TCDF		1080	1980	pg/L	54.6	(24%-169%)
13C-1,2,3,7,8-PeCDF		1080	1980	pg/L	54.6	(24%-185%)
13C-2,3,4,7,8-PeCDF		1130	1980	pg/L	57.2	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1020	1980	pg/L	51.6	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1070	1980	pg/L	54.0	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1080	1980	pg/L	54.5	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1060	1980	pg/L	53.5	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18200001**	**Date Collected:**	**05/24/2021 09:30**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**05/26/2021 11:27**		
Client ID:	**SW-1(052421)**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 18:54**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-12**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**1009.9 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1040	1980	pg/L	52.4	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1120	1980	pg/L	56.6	(26%-138%)
37Cl-2,3,7,8-TCDD		186	198	pg/L	94.1	(35%-197%)

Comments:

J Value is estimated

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18200002**	**Date Collected:**	**05/24/2021 09:45**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**05/26/2021 11:27**		
Client ID:	**SW-2(052421)**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 19:44**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-13**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**993.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	2.21	pg/L	2.21	10.1
40321-76-4	1,2,3,7,8-PeCDD	U	2.70	pg/L	2.70	50.3
39227-28-6	1,2,3,4,7,8-HxCDD	U	3.91	pg/L	3.91	50.3
57653-85-7	1,2,3,6,7,8-HxCDD	U	3.70	pg/L	3.70	50.3
19408-74-3	1,2,3,7,8,9-HxCDD	U	3.83	pg/L	3.83	50.3
35822-46-9	1,2,3,4,6,7,8-HpCDD		247	pg/L	21.1	50.3
3268-87-9	1,2,3,4,6,7,8,9-OCDD		6270	pg/L	29.4	101
51207-31-9	2,3,7,8-TCDF	U	2.98	pg/L	2.98	10.1
57117-41-6	1,2,3,7,8-PeCDF	U	1.81	pg/L	1.81	50.3
57117-31-4	2,3,4,7,8-PeCDF	U	1.70	pg/L	1.70	50.3
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.76	pg/L	1.76	50.3
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.73	pg/L	1.73	50.3
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.79	pg/L	1.79	50.3
72918-21-9	1,2,3,7,8,9-HxCDF	U	2.82	pg/L	2.82	50.3
67562-39-4	1,2,3,4,6,7,8-HpCDF	JK	7.71	pg/L	2.76	50.3
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	4.03	pg/L	4.03	50.3
39001-02-0	1,2,3,4,6,7,8,9-OCDF	JK	20.7	pg/L	11.6	101
41903-57-5	Total TeCDD	U	2.21	pg/L	2.21	10.1
36088-22-9	Total PeCDD	U	1.50	pg/L	1.50	50.3
34465-46-8	Total HxCDD	JK	19.9	pg/L	3.70	50.3
37871-00-4	Total HpCDD		568	pg/L	21.1	50.3
30402-14-3	Total TeCDF	U	2.98	pg/L	2.98	10.1
30402-15-4	Total PeCDF	JK	2.36	pg/L	1.17	50.3
55684-94-1	Total HxCDF	J	11.1	pg/L	1.73	50.3
38998-75-3	Total HpCDF	JK	31.3	pg/L	2.76	50.3
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		4.43	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		8.32	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1380	2010	pg/L	68.4	(25%-164%)
13C-1,2,3,7,8-PeCDD		1400	2010	pg/L	69.6	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1250	2010	pg/L	62.2	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1400	2010	pg/L	69.7	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1300	2010	pg/L	64.8	(23%-140%)
13C-OCDD		2400	4030	pg/L	59.6	(17%-157%)
13C-2,3,7,8-TCDF		1280	2010	pg/L	63.4	(24%-169%)
13C-1,2,3,7,8-PeCDF		1300	2010	pg/L	64.6	(24%-185%)
13C-2,3,4,7,8-PeCDF		1300	2010	pg/L	64.6	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1180	2010	pg/L	58.5	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1240	2010	pg/L	61.7	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1240	2010	pg/L	61.8	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1160	2010	pg/L	57.5	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18200002**	**Date Collected:**	**05/24/2021 09:45**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**05/26/2021 11:27**		
Client ID:	**SW-2(052421)**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 19:44**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-13**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**993.4 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1170	2010	pg/L	58.3	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1260	2010	pg/L	62.4	(26%-138%)
37Cl-2,3,7,8-TCDD		188	201	pg/L	93.5	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18200003**	**Date Collected:**	**05/24/2021 09:35**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**05/26/2021 11:27**		
Client ID:	**DUP(052421)**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 20:34**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-14**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**906.1 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	2.74	pg/L	2.74	11.0
40321-76-4	1,2,3,7,8-PeCDD	U	2.56	pg/L	2.56	55.2
39227-28-6	1,2,3,4,7,8-HxCDD	U	4.94	pg/L	4.94	55.2
57653-85-7	1,2,3,6,7,8-HxCDD	U	4.97	pg/L	4.97	55.2
19408-74-3	1,2,3,7,8,9-HxCDD	U	5.01	pg/L	5.01	55.2
35822-46-9	1,2,3,4,6,7,8-HpCDD		317	pg/L	21.5	55.2
3268-87-9	1,2,3,4,6,7,8,9-OCDD		6750	pg/L	34.7	110
51207-31-9	2,3,7,8-TCDF	U	3.51	pg/L	3.51	11.0
57117-41-6	1,2,3,7,8-PeCDF	U	2.45	pg/L	2.45	55.2
57117-31-4	2,3,4,7,8-PeCDF	U	2.30	pg/L	2.30	55.2
70648-26-9	1,2,3,4,7,8-HxCDF	U	3.31	pg/L	3.31	55.2
57117-44-9	1,2,3,6,7,8-HxCDF	U	3.11	pg/L	3.11	55.2
60851-34-5	2,3,4,6,7,8-HxCDF	U	3.44	pg/L	3.44	55.2
72918-21-9	1,2,3,7,8,9-HxCDF	U	5.08	pg/L	5.08	55.2
67562-39-4	1,2,3,4,6,7,8-HpCDF	J	23.6	pg/L	3.97	55.2
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	5.58	pg/L	5.58	55.2
39001-02-0	1,2,3,4,6,7,8,9-OCDF	J	56.2	pg/L	9.87	110
41903-57-5	Total TeCDD	U	2.74	pg/L	2.74	11.0
36088-22-9	Total PeCDD	U	2.56	pg/L	2.56	55.2
34465-46-8	Total HxCDD	J	29.5	pg/L	4.94	55.2
37871-00-4	Total HpCDD		723	pg/L	21.5	55.2
30402-14-3	Total TeCDF	U	3.51	pg/L	3.51	11.0
30402-15-4	Total PeCDF	JK	4.28	pg/L	1.68	55.2
55684-94-1	Total HxCDF	JK	25.2	pg/L	3.11	55.2
38998-75-3	Total HpCDF	J	84.9	pg/L	3.97	55.2
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		5.45	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		10.2	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1450	2210	pg/L	65.8	(25%-164%)
13C-1,2,3,7,8-PeCDD		1540	2210	pg/L	69.8	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1350	2210	pg/L	61.0	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1460	2210	pg/L	66.2	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1420	2210	pg/L	64.5	(23%-140%)
13C-OCDD		2580	4410	pg/L	58.4	(17%-157%)
13C-2,3,7,8-TCDF		1380	2210	pg/L	62.4	(24%-169%)
13C-1,2,3,7,8-PeCDF		1400	2210	pg/L	63.5	(24%-185%)
13C-2,3,4,7,8-PeCDF		1450	2210	pg/L	65.9	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1270	2210	pg/L	57.5	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1310	2210	pg/L	59.3	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1310	2210	pg/L	59.3	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1300	2210	pg/L	59.1	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**18200003**	**Date Collected:**	**05/24/2021 09:35**	**Matrix:**	**WATER**
Client Sample:	**1613B Water**	**Date Received:**	**05/26/2021 11:27**		
Client ID:	**DUP(052421)**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 20:34**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-14**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**906.1 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1260	2210	pg/L	57.0	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1330	2210	pg/L	60.2	(26%-138%)
37Cl-2,3,7,8-TCDD		201	221	pg/L	91.0	(35%-197%)

Comments:

J **Value is estimated**

K **Estimated Maximum Possible Concentration**

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Quality Control Summary

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1E0987

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
12029473	LCS for batch 47010	13C-2,3,7,8-TCDD		66.0	(20%-175%)
		13C-1,2,3,7,8-PeCDD		69.0	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		59.4	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		65.9	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		58.6	(22%-166%)
		13C-OCDD		52.7	(13%-199%)
		13C-2,3,7,8-TCDF		60.5	(22%-152%)
		13C-1,2,3,7,8-PeCDF		61.2	(21%-192%)
		13C-2,3,4,7,8-PeCDF		62.3	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		54.9	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		58.1	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		59.3	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		57.4	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		55.9	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		57.3	(20%-186%)
		37Cl-2,3,7,8-TCDD		95.4	(31%-191%)
12029474	LCSD for batch 47010	13C-2,3,7,8-TCDD		63.1	(20%-175%)
		13C-1,2,3,7,8-PeCDD		66.4	(21%-227%)
		13C-1,2,3,4,7,8-HxCDD		56.7	(21%-193%)
		13C-1,2,3,6,7,8-HxCDD		66.7	(25%-163%)
		13C-1,2,3,4,6,7,8-HpCDD		59.2	(22%-166%)
		13C-OCDD		53.4	(13%-199%)
		13C-2,3,7,8-TCDF		59.0	(22%-152%)
		13C-1,2,3,7,8-PeCDF		60.4	(21%-192%)
		13C-2,3,4,7,8-PeCDF		61.0	(13%-328%)
		13C-1,2,3,4,7,8-HxCDF		53.5	(19%-202%)
		13C-1,2,3,6,7,8-HxCDF		58.7	(21%-159%)
		13C-2,3,4,6,7,8-HxCDF		58.6	(22%-176%)
		13C-1,2,3,7,8,9-HxCDF		55.7	(17%-205%)
		13C-1,2,3,4,6,7,8-HpCDF		56.2	(21%-158%)
		13C-1,2,3,4,7,8,9-HpCDF		57.2	(20%-186%)
		37Cl-2,3,7,8-TCDD		94.0	(31%-191%)
12029472	MB for batch 47010	13C-2,3,7,8-TCDD		64.1	(25%-164%)
		13C-1,2,3,7,8-PeCDD		67.7	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		58.3	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		65.0	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		59.2	(23%-140%)
		13C-OCDD		58.4	(17%-157%)
		13C-2,3,7,8-TCDF		62.0	(24%-169%)
		13C-1,2,3,7,8-PeCDF		61.8	(24%-185%)
		13C-2,3,4,7,8-PeCDF		62.4	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		53.6	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		59.8	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		59.4	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		55.9	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		55.9	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		58.0	(26%-138%)
		37Cl-2,3,7,8-TCDD		90.4	(35%-197%)
18200001	SW-1(052421)	13C-2,3,7,8-TCDD		59.1	(25%-164%)

Hi-Res Dioxins/Furans
Surrogate Recovery Report

SDG Number: A1E0987

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits
18200001	SW-1(052421)	13C-1,2,3,7,8-PeCDD		62.8	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		54.8	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		61.8	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		59.8	(23%-140%)
		13C-OCDD		52.7	(17%-157%)
		13C-2,3,7,8-TCDF		54.6	(24%-169%)
		13C-1,2,3,7,8-PeCDF		54.6	(24%-185%)
		13C-2,3,4,7,8-PeCDF		57.2	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		51.6	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		54.0	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		54.5	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		53.5	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		52.4	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		56.6	(26%-138%)
		37Cl-2,3,7,8-TCDD		94.1	(35%-197%)
18200002	SW-2(052421)	13C-2,3,7,8-TCDD		68.4	(25%-164%)
		13C-1,2,3,7,8-PeCDD		69.6	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		62.2	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		69.7	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		64.8	(23%-140%)
		13C-OCDD		59.6	(17%-157%)
		13C-2,3,7,8-TCDF		63.4	(24%-169%)
		13C-1,2,3,7,8-PeCDF		64.6	(24%-185%)
		13C-2,3,4,7,8-PeCDF		64.6	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		58.5	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		61.7	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		61.8	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		57.5	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		58.3	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		62.4	(26%-138%)
		37Cl-2,3,7,8-TCDD		93.5	(35%-197%)
18200003	DUP(052421)	13C-2,3,7,8-TCDD		65.8	(25%-164%)
		13C-1,2,3,7,8-PeCDD		69.8	(25%-181%)
		13C-1,2,3,4,7,8-HxCDD		61.0	(32%-141%)
		13C-1,2,3,6,7,8-HxCDD		66.2	(28%-130%)
		13C-1,2,3,4,6,7,8-HpCDD		64.5	(23%-140%)
		13C-OCDD		58.4	(17%-157%)
		13C-2,3,7,8-TCDF		62.4	(24%-169%)
		13C-1,2,3,7,8-PeCDF		63.5	(24%-185%)
		13C-2,3,4,7,8-PeCDF		65.9	(21%-178%)
		13C-1,2,3,4,7,8-HxCDF		57.5	(26%-152%)
		13C-1,2,3,6,7,8-HxCDF		59.3	(26%-123%)
		13C-2,3,4,6,7,8-HxCDF		59.3	(28%-136%)
		13C-1,2,3,7,8,9-HxCDF		59.1	(29%-147%)
		13C-1,2,3,4,6,7,8-HpCDF		57.0	(28%-143%)
		13C-1,2,3,4,7,8,9-HpCDF		60.2	(26%-138%)
		37Cl-2,3,7,8-TCDD		91.0	(35%-197%)

* Recovery outside Acceptance Limits

Hi-Res Dioxins/Furans

Surrogate Recovery Report

SDG Number: A1E0987

Matrix Type: LIQUID

Sample ID	Client ID	Surrogate	QUAL	Recovery (%)	Acceptance Limits

* Recovery outside Acceptance Limits

Column to be used to flag recovery values

D Sample Diluted

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: **A1E0987**
Client ID: **LCS for batch 47010**
Lab Sample ID: **12029473**
Instrument: **HRP763**
Analyst: **MLL**

Sample Type: **Laboratory Control Sample**
Matrix: **WATER**
Analysis Date: **06/09/2021 10:37**
Dilution: **1**
Prep Batch ID: **47010**
Batch ID: **47016**

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits
1746-01-6	LCS	2,3,7,8-TCDD	200	191	95.3	67-158
40321-76-4	LCS	1,2,3,7,8-PeCDD	1000	959	95.9	70-142
39227-28-6	LCS	1,2,3,4,7,8-HxCDD	1000	948	94.8	70-164
57653-85-7	LCS	1,2,3,6,7,8-HxCDD	1000	959	95.9	76-134
19408-74-3	LCS	1,2,3,7,8,9-HxCDD	1000	970	97	64-162
35822-46-9	LCS	1,2,3,4,6,7,8-HpCDD	1000	963	96.3	70-140
3268-87-9	LCS	1,2,3,4,6,7,8,9-OCDD	2000	1960	98.2	78-144
51207-31-9	LCS	2,3,7,8-TCDF	200	189	94.4	75-158
57117-41-6	LCS	1,2,3,7,8-PeCDF	1000	1040	104	80-134
57117-31-4	LCS	2,3,4,7,8-PeCDF	1000	1010	101	68-160
70648-26-9	LCS	1,2,3,4,7,8-HxCDF	1000	1050	105	72-134
57117-44-9	LCS	1,2,3,6,7,8-HxCDF	1000	1070	107	84-130
60851-34-5	LCS	2,3,4,6,7,8-HxCDF	1000	1050	105	70-156
72918-21-9	LCS	1,2,3,7,8,9-HxCDF	1000	1040	104	78-130
67562-39-4	LCS	1,2,3,4,6,7,8-HpCDF	1000	1010	101	82-122
55673-89-7	LCS	1,2,3,4,7,8,9-HpCDF	1000	1020	102	78-138
39001-02-0	LCS	1,2,3,4,6,7,8,9-OCDF	2000	2010	100	63-170

Hi-Res Dioxins/Furans

Quality Control Summary
Spike Recovery Report

SDG Number: **A1E0987**
Sample Type: **Laboratory Control Sample Duplicate**
Client ID: **LCSD for batch 47010**
Matrix: **WATER**
Lab Sample ID: **12029474**
Instrument: **HRP763**
Analysis Date: **06/09/2021 11:26**
Dilution: **1**
Analyst: **MLL**
Prep Batch ID: **47010**
Batch ID: **47016**

CAS No.		Parmname	Amount Added pg/L	Spike Conc. pg/L	Recovery %	Acceptance Limits	RPD %	Acceptance Limits
1746-01-6	LCSD	2,3,7,8-TCDD	200	184	91.9	67-158	3.64	0-20
40321-76-4	LCSD	1,2,3,7,8-PeCDD	1000	978	97.8	70-142	1.95	0-20
39227-28-6	LCSD	1,2,3,4,7,8-HxCDD	1000	968	96.8	70-164	2.05	0-20
57653-85-7	LCSD	1,2,3,6,7,8-HxCDD	1000	933	93.3	76-134	2.69	0-20
19408-74-3	LCSD	1,2,3,7,8,9-HxCDD	1000	973	97.3	64-162	0.280	0-20
35822-46-9	LCSD	1,2,3,4,6,7,8-HpCDD	1000	1020	102	70-140	5.67	0-20
3268-87-9	LCSD	1,2,3,4,6,7,8,9-OCDD	2000	1890	94.7	78-144	3.68	0-20
51207-31-9	LCSD	2,3,7,8-TCDF	200	186	93.2	75-158	1.28	0-20
57117-41-6	LCSD	1,2,3,7,8-PeCDF	1000	1010	101	80-134	2.52	0-20
57117-31-4	LCSD	2,3,4,7,8-PeCDF	1000	1030	103	68-160	1.79	0-20
70648-26-9	LCSD	1,2,3,4,7,8-HxCDF	1000	1030	103	72-134	2.08	0-20
57117-44-9	LCSD	1,2,3,6,7,8-HxCDF	1000	1060	106	84-130	1.77	0-20
60851-34-5	LCSD	2,3,4,6,7,8-HxCDF	1000	1050	105	70-156	0.511	0-20
72918-21-9	LCSD	1,2,3,7,8,9-HxCDF	1000	1040	104	78-130	0.808	0-20
67562-39-4	LCSD	1,2,3,4,6,7,8-HpCDF	1000	983	98.3	82-122	2.42	0-20
55673-89-7	LCSD	1,2,3,4,7,8,9-HpCDF	1000	1010	101	78-138	1.13	0-20
39001-02-0	LCSD	1,2,3,4,6,7,8,9-OCDF	2000	2010	100	63-170	0.0458	0-20

Method Blank Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Matrix:**	**WATER**
Client ID:	**MB for batch 47010**	**Instrument ID:**	**HRP763**	**Data File:**	**b09jun21b-4**
Lab Sample ID:	**12029472**	**Prep Date:**	**03-JUN-21**	**Analyzed:**	**06/09/21 12:16**
Column:					

This method blank applies to the following samples and quality control samples:

	Client Sample ID	Lab Sample ID	File ID	Date Analyzed	Time Analyzed
01	LCS for batch 47010	12029473	b09jun21b-2	06/09/21	1037
02	LCSD for batch 47010	12029474	b09jun21b-3	06/09/21	1126
03	SW-1(052421)	18200001	b09jun21b-12	06/09/21	1854
04	SW-2(052421)	18200002	b09jun21b-13	06/09/21	1944
05	DUP(052421)	18200003	b09jun21b-14	06/09/21	2034

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029472**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 47010**				
Client ID:	**MB for batch 47010**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 12:16**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-4**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD	U	2.68	pg/L	2.68	10.0
40321-76-4	1,2,3,7,8-PeCDD	U	1.63	pg/L	1.63	50.0
39227-28-6	1,2,3,4,7,8-HxCDD	U	2.18	pg/L	2.18	50.0
57653-85-7	1,2,3,6,7,8-HxCDD	U	2.12	pg/L	2.12	50.0
19408-74-3	1,2,3,7,8,9-HxCDD	U	2.16	pg/L	2.16	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD	U	3.70	pg/L	3.70	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD	U	4.10	pg/L	4.10	100
51207-31-9	2,3,7,8-TCDF	U	3.78	pg/L	3.78	10.0
57117-41-6	1,2,3,7,8-PeCDF	U	1.78	pg/L	1.78	50.0
57117-31-4	2,3,4,7,8-PeCDF	U	1.65	pg/L	1.65	50.0
70648-26-9	1,2,3,4,7,8-HxCDF	U	1.62	pg/L	1.62	50.0
57117-44-9	1,2,3,6,7,8-HxCDF	U	1.60	pg/L	1.60	50.0
60851-34-5	2,3,4,6,7,8-HxCDF	U	1.60	pg/L	1.60	50.0
72918-21-9	1,2,3,7,8,9-HxCDF	U	2.36	pg/L	2.36	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF	U	1.52	pg/L	1.52	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF	U	2.46	pg/L	2.46	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF	U	5.64	pg/L	5.64	100
41903-57-5	Total TeCDD	U	2.68	pg/L	2.68	10.0
36088-22-9	Total PeCDD	U	1.63	pg/L	1.63	50.0
34465-46-8	Total HxCDD	U	2.12	pg/L	2.12	50.0
37871-00-4	Total HpCDD	U	3.70	pg/L	3.70	50.0
30402-14-3	Total TeCDF	U	3.78	pg/L	3.78	10.0
30402-15-4	Total PeCDF	U	1.65	pg/L	1.65	50.0
55684-94-1	Total HxCDF	U	1.60	pg/L	1.60	50.0
38998-75-3	Total HpCDF	U	1.52	pg/L	1.52	50.0
3333-30-2	TEQ WHO2005 ND=0 with EMPCs		0.000	pg/L		
3333-30-3	TEQ WHO2005 ND=0.5 with EMPCs		3.34	pg/L		

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1280	2000	pg/L	64.1	(25%-164%)
13C-1,2,3,7,8-PeCDD		1350	2000	pg/L	67.7	(25%-181%)
13C-1,2,3,4,7,8-HxCDD		1170	2000	pg/L	58.3	(32%-141%)
13C-1,2,3,6,7,8-HxCDD		1300	2000	pg/L	65.0	(28%-130%)
13C-1,2,3,4,6,7,8-HpCDD		1180	2000	pg/L	59.2	(23%-140%)
13C-OCDD		2340	4000	pg/L	58.4	(17%-157%)
13C-2,3,7,8-TCDF		1240	2000	pg/L	62.0	(24%-169%)
13C-1,2,3,7,8-PeCDF		1240	2000	pg/L	61.8	(24%-185%)
13C-2,3,4,7,8-PeCDF		1250	2000	pg/L	62.4	(21%-178%)
13C-1,2,3,4,7,8-HxCDF		1070	2000	pg/L	53.6	(26%-152%)
13C-1,2,3,6,7,8-HxCDF		1200	2000	pg/L	59.8	(26%-123%)
13C-2,3,4,6,7,8-HxCDF		1190	2000	pg/L	59.4	(28%-136%)
13C-1,2,3,7,8,9-HxCDF		1120	2000	pg/L	55.9	(29%-147%)

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029472**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 47010**				
Client ID:	**MB for batch 47010**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 12:16**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-4**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-1,2,3,4,6,7,8-HpCDF		1120	2000	pg/L	55.9	(28%-143%)
13C-1,2,3,4,7,8,9-HpCDF		1160	2000	pg/L	58.0	(26%-138%)
37Cl-2,3,7,8-TCDD		181	200	pg/L	90.4	(35%-197%)

Comments:

U **Analyte was analyzed for, but not detected above the specified detection limit.**

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029473**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 47010**				
Client ID:	**LCS for batch 47010**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 10:37**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-2**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		191	pg/L	2.80	10.0
40321-76-4	1,2,3,7,8-PeCDD		959	pg/L	4.70	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		948	pg/L	8.06	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		959	pg/L	7.68	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		970	pg/L	7.92	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		963	pg/L	14.8	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1960	pg/L	28.2	100
51207-31-9	2,3,7,8-TCDF		189	pg/L	4.24	10.0
57117-41-6	1,2,3,7,8-PeCDF		1040	pg/L	5.60	50.0
57117-31-4	2,3,4,7,8-PeCDF		1010	pg/L	5.14	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		1050	pg/L	10.4	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		1070	pg/L	9.86	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		1050	pg/L	9.60	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		1040	pg/L	15.3	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		1010	pg/L	12.8	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		1020	pg/L	19.3	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		2010	pg/L	19.6	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1320	2000	pg/L	66.0	(20%-175%)
13C-1,2,3,7,8-PeCDD		1380	2000	pg/L	69.0	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1190	2000	pg/L	59.4	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1320	2000	pg/L	65.9	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1170	2000	pg/L	58.6	(22%-166%)
13C-OCDD		2110	4000	pg/L	52.7	(13%-199%)
13C-2,3,7,8-TCDF		1210	2000	pg/L	60.5	(22%-152%)
13C-1,2,3,7,8-PeCDF		1220	2000	pg/L	61.2	(21%-192%)
13C-2,3,4,7,8-PeCDF		1250	2000	pg/L	62.3	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1100	2000	pg/L	54.9	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1160	2000	pg/L	58.1	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1190	2000	pg/L	59.3	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1150	2000	pg/L	57.4	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1120	2000	pg/L	55.9	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1150	2000	pg/L	57.3	(20%-186%)
37Cl-2,3,7,8-TCDD		191	200	pg/L	95.4	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.

Hi-Res Dioxins/Furans
Certificate of Analysis
Sample Summary

SDG Number:	**A1E0987**	**Client:**	**APEX001**	**Project:**	**APEX00320**
Lab Sample ID:	**12029474**			**Matrix:**	**WATER**
Client Sample:	**QC for batch 47010**				
Client ID:	**LCSD for batch 47010**			**Prep Basis:**	**As Received**
Batch ID:	**47016**	**Method:**	**EPA Method 1613B**		
Run Date:	**06/09/2021 11:26**	**Analyst:**	**MLL**	**Instrument:**	**HRP763**
Data File:	**b09jun21b-3**			**Dilution:**	**1**
Prep Batch:	**47010**	**Prep Method:**	**SW846 3520C**		
Prep Date:	**03-JUN-21**	**Prep Aliquot:**	**1000 mL**		

CAS No.	Parmname	Qual	Result	Units	EDL	PQL
1746-01-6	2,3,7,8-TCDD		184	pg/L	2.86	10.0
40321-76-4	1,2,3,7,8-PeCDD		978	pg/L	4.68	50.0
39227-28-6	1,2,3,4,7,8-HxCDD		968	pg/L	10.1	50.0
57653-85-7	1,2,3,6,7,8-HxCDD		933	pg/L	9.66	50.0
19408-74-3	1,2,3,7,8,9-HxCDD		973	pg/L	9.92	50.0
35822-46-9	1,2,3,4,6,7,8-HpCDD		1020	pg/L	14.6	50.0
3268-87-9	1,2,3,4,6,7,8,9-OCDD		1890	pg/L	30.6	100
51207-31-9	2,3,7,8-TCDF		186	pg/L	3.64	10.0
57117-41-6	1,2,3,7,8-PeCDF		1010	pg/L	5.72	50.0
57117-31-4	2,3,4,7,8-PeCDF		1030	pg/L	5.10	50.0
70648-26-9	1,2,3,4,7,8-HxCDF		1030	pg/L	11.4	50.0
57117-44-9	1,2,3,6,7,8-HxCDF		1060	pg/L	11.3	50.0
60851-34-5	2,3,4,6,7,8-HxCDF		1050	pg/L	11.2	50.0
72918-21-9	1,2,3,7,8,9-HxCDF		1040	pg/L	17.1	50.0
67562-39-4	1,2,3,4,6,7,8-HpCDF		983	pg/L	12.4	50.0
55673-89-7	1,2,3,4,7,8,9-HpCDF		1010	pg/L	19.0	50.0
39001-02-0	1,2,3,4,6,7,8,9-OCDF		2010	pg/L	19.9	100

Surrogate/Tracer recovery	Qual	Result	Nominal	Units	Recovery%	Acceptable Limits
13C-2,3,7,8-TCDD		1260	2000	pg/L	63.1	(20%-175%)
13C-1,2,3,7,8-PeCDD		1330	2000	pg/L	66.4	(21%-227%)
13C-1,2,3,4,7,8-HxCDD		1130	2000	pg/L	56.7	(21%-193%)
13C-1,2,3,6,7,8-HxCDD		1330	2000	pg/L	66.7	(25%-163%)
13C-1,2,3,4,6,7,8-HpCDD		1180	2000	pg/L	59.2	(22%-166%)
13C-OCDD		2130	4000	pg/L	53.4	(13%-199%)
13C-2,3,7,8-TCDF		1180	2000	pg/L	59.0	(22%-152%)
13C-1,2,3,7,8-PeCDF		1210	2000	pg/L	60.4	(21%-192%)
13C-2,3,4,7,8-PeCDF		1220	2000	pg/L	61.0	(13%-328%)
13C-1,2,3,4,7,8-HxCDF		1070	2000	pg/L	53.5	(19%-202%)
13C-1,2,3,6,7,8-HxCDF		1170	2000	pg/L	58.7	(21%-159%)
13C-2,3,4,6,7,8-HxCDF		1170	2000	pg/L	58.6	(22%-176%)
13C-1,2,3,7,8,9-HxCDF		1110	2000	pg/L	55.7	(17%-205%)
13C-1,2,3,4,6,7,8-HpCDF		1120	2000	pg/L	56.2	(21%-158%)
13C-1,2,3,4,7,8,9-HpCDF		1140	2000	pg/L	57.2	(20%-186%)
37Cl-2,3,7,8-TCDD		188	200	pg/L	94.0	(31%-191%)

Comments:

U Analyte was analyzed for, but not detected above the specified detection limit.