GeoDesign Inc
An NV5 Company

CATCH BASIN SEDIMENT SAMPLING

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

For
Oregon Department of Environmental Quality
February 19, 2021

Project: BCSAmerica-1-02

GeoDesign Inc
AN NV5 COMPANY

February 19, 2021

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

Attention: Rob Hood

Catch Basin Sediment Sampling
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon
DEQ ECSI No. 1430
Project: BCSAmerica-1-02

GeoDesign, Inc., DBS NV5 is pleased to submit this report summarizing the catch basin sediment sampling conducted at the Former Automatic Vending Company site located at 5001 North Lagoon Avenue in Portland, Oregon. Our services were performed in accordance with the DEQ-approved work plan dated January 5, 2021.

Please call if you have questions concerning this submittal.

Sincerely,

GeoDesign, Inc., DBA NV5

L R Yandell

Lon R. Yandell, R.G.
Principal Geologist

cc: John Jansen, BCS America LLC (via email only)
David Lacey, Oregon Department of Environmental Quality (via email only)

KTH:EAH:LRY:kt
Attachments
One copy submitted
Document ID: BCSAmerica-1-02-021921-envr.docx

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ACRONYMS AND ABBREVIATIONS

BEHP	bis(2-ethylhexyl)phthalate
BS	blank spike
BSD	blank spike duplicate
COC	chemical of concern or contaminant of concern
COPC	chemical of potential concern or contaminant of potential concern
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CUL	Cleanup Level
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DEQ	Oregon Department of Environmental Quality
ECSI	Environmental Cleanup Site Information
EPA	U.S. Environmental Protection Agency
ESA	environmental site assessment
eV	electronvolt
ICP-MS	inductively coupled plasma mass spectrometry
I.D.	identification
JSCS	Joint Source Control Strategy
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
NA	not applicable
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
PID	photoionization detector
pg/g	picograms per gram
ppm	parts per million
QA	quality assurance
QC	quality control
RPD	relative percent difference
SLV	screening level value
SVOC	semi-volatile organic compound
TEQ	toxicity equivalent quotient
TMB	trimethylbenzene
µg/kg	micrograms per kilogram
VOC	volatile organic compound

1.0 INTRODUCTION

This report has been prepared on behalf of BSC America LLC by GeoDesign, Inc., DBA NV5 (GeoDesign) for the Former Automatic Vending Company site located at 5001 North Lagoon Avenue in Portland, Oregon (project site). This report summarizes the results of catch basin sediment sampling conducted at the project site. The project site is shown relative to surrounding physical features on Figure 1. Acronyms and abbreviations used herein are defined above, immediately following the Table of Contents.

2.0 BACKGROUND

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. The warehouse building on the project site was constructed in 1963 with additions constructed in 1969 and 1978. The shop building located on the southwest 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 prepared by K&S Environmental in 2018, the project site has historically 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 with a sale pending receipt of an NFA determination from DEQ.

The project site stormwater conveyance system was cleaned and scoped in January 2021[1]. Based on the sewer inspections available on Portland Maps, permits available through the City of Portland, and scoping of the on-site stormwater lines, it was determined that 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 on-site laterals that connect to the city stormwater conveyance system as shown on Figure 2. The city stormwater conveyance system discharges to Swan Island Basin via outfall S-2, located approximately 780 feet northwest of the project site. Catch basins CB4, CB6, and CB7 discharge to the city sanitary sewer as shown on Figure 2.

3.0 FIELD ACTIVITIES

GeoDesign conducted catch basin sediment sampling on December 17, 2020, in general accordance with the DEQ-approved work plan.[2] Sediment samples were collected in accordance with the City of Portland *Standard Operating Procedures, Guidance for Sampling Catch Basin Solids,* prepared by CH2M Hill, dated July 2003.

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[1] GeoDesign, Inc., 2021. *Stormwater Conveyance System; Cleaning and Scoping; Former Automatic Vending Company; 5001 North Lagoon Avenue; Portland, Oregon; ECSI File No. 1430*, dated February 12, 2021. GeoDesign Project: BCSAmerica-1-02

[2] GeoDesign, Inc., 2021. *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 Project: BCSAmerica-1-02

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.

GeoDesign 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. GeoDesign collected a duplicate sediment sample from catch basin CB4 for QA/QC purposes. The composite material was field screened, which included water sheen testing and headspace vapor measurements using a calibrated hand-held PID equipped with a 10.6-eV lamp. The volume of stormwater removed from each catch basin, field screening results, and descriptions of the sediment in the catch basins are summarized in Table 1.

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

4.0 ANALYTICAL PROGRAM

The analytical program was conducted in accordance with the DEQ-approved work plan. The seven sediment samples and one duplicate sediment sample 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
- Priority 13 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

Gasoline-, diesel-, and oil-range hydrocarbons; VOCs; organochlorine pesticides; phthalates; PAHs; metals; and PCBs were analyzed by Apex Laboratories of Tigard, Oregon. Dioxins and furans were analyzed by Cape Fear Analytical LLC of Wilmington, North Carolina. Organochlorine herbicides and organotins were analyzed by Eurofins of Garden Grove, California.

Analyses for cyanide, manganese, and vanadium were not performed because these compounds are not potential COPCs at the project site. The laboratory reports and chain-of-custody documentation are presented in Appendix A.

5.0 ANALYTICAL RESULTS

Sediment sample analytical results are compared to the EPA Portland Harbor riverbank soil/sediment CULs[3] (EPA CULs). If EPA CULs were not established, the results were compared to the DEQ JSCS Initial Upland Source Control SLVs for soil and stormwater sediment[4] (JSCS SLVs). Analytical results are discussed in the following sections and summarized in Tables 2 through 10. Two sediment samples were collected from catch basin CB4 (CB-4 and CB-4-DUP) for QA/QC purposes. The highest detected value between the two samples was used for comparison.

The analytical results for arsenic, cadmium, chromium, copper, lead, mercury, nickel, silver, zinc, BEHP, total PCBs, and total PAHs were also plotted on the charts appended to DEQ's *Guidance for Evaluating the Stormwater Pathway at Upland Sites,* dated January 2009, updated October 2010. The charts are used as a screening tool to distinguish "typical" industrial stormwater from stormwater containing potentially elevated contaminant concentrations. Each chart contains a "knee" in the curve. Concentrations plotted below the knee (on the lower/flatter portion of the curve) are indicative of stormwater that is not being unusually impacted by contaminants and is therefore representative of "typical" industrial stormwater for Portland Harbor sites. The sediment sample analytical results plotted on the DEQ curves are presented in Appendix B.

Select COPCs detected in sediment samples at concentrations greater than EPA CULs and/or JSCS SLVs and are not "typical" of industrial stormwater are shown on Figure 2.

5.1 PETROLEUM HYDROCARBONS

Gasoline-range hydrocarbons were detected in sediment samples CB-1, CB-2, and CB-6 at concentrations ranging from 10.1 to 33.2 mg/kg. An EPA CUL or JSCS SLV has not been established for gasoline-range hydrocarbons. Diesel-range hydrocarbons were not detected in the sediment samples.

Oil-range hydrocarbons were detected in sediment samples CB-1 through CB-7 at concentrations ranging from 1,960 to 4,780 mg/kg. An EPA CUL or JSCS SLV has not been established for oil-range hydrocarbons.

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

5.2 ORGANOTINS

Tributyltin was detected in sediment sample CB-1 at a concentration of 23 µg/kg, which is less than the EPA CUL of 3,080 µg/kg. Tributyltin was not detected in the other sediment samples.

Dibutyltin was detected in sediment samples CB-1 and CB-2 at concentrations of 29 µg/kg and 9.7 µg/kg, respectively. An EPA CUL or JSCS SLV has not been established for dibutyltin.

Tetrabutyltin and monobutyltin were not detected in sediment samples CB-1 through CB-7.

5.3 VOCS

Up to eight VOCs were detected in sediment samples CB-1, CB-2, CB-5, CB-6, and CB-7. With the exception of naphthalene (discussed in Section 5.5), EPA CULs and JSCS SLVs have not been established for the detected VOCs. VOCs were not detected in sediment samples CB-3 and CB-4.

5.4 PCBS

PCB Aroclor 1254 was detected in sediment samples CB-4 and CB-5 at concentrations of 311 µg/kg and 1,480 µg/kg, respectively. These detected concentrations are greater than the JSCS SLV of 300 µg/kg.

Total PCBs were calculated using 0, one-half, and the full detection limits for non-detects. The calculated values for total PCBs ranged from 0.0 to 2,057 µg/kg, which are greater than the EPA CUL of 9 µg/kg. However, PCBs were not detected in sediment sample CB-1.

Total PCBs (using one-half the detection limit) in sediment samples CB-4 and CB-5 plotted above the knee of the DEQ curve for total PCBs, indicating that the detected concentrations are not "typical" of industrial stormwater. Total PCBs in sediment samples CB-1, CB-2, CB-3, CB-6, and CB-7 plotted below the knee of the DEQ curve for total PCBs, indicating that the detected concentrations are "typical" of industrial stormwater.

5.5 PAHS/SVOCS

Benzo(a)anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, chrysene, fluoranthene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene were detected in sediment samples CB-1, CB-2, and CB-3 at concentrations greater than the JSCS SLVs. Acenaphthene, anthracene, benzo(k)fluoranthene, dibenz(a,h)anthracene, and carbazole were also detected in sediment sample CB-1 at a concentration greater than the JSCS SLV.

Benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene were detected in sediment samples CB-4 and CB-5 at concentrations of 550 µg/kg and 760 µg/kg, respectively. The detected concentrations of benzo(g,h,i)perylene and indeno(1,2,3-cd)pyrene are greater than the JSCS SLVs of 300 µg/kg and 100 µg/kg, respectively. However, the detected concentrations were flagged by the laboratory as estimated values.

Naphthalene was detected in sediment samples CB-1, CB-2, CB-6, and CB-7 at concentrations ranging from 154 to 336 µg/kg. These detected concentrations of naphthalene are less than the JSCS SLV of 561 µg/kg.

Total PAHs were calculated using 0, one-half, and the full detection limit for non-detects. The calculated total PAHs for sediment samples CB-1 through CB-3 are greater than the EPA CUL of 23,000 µg/kg. Total PAHs for sediment samples CB-4 through CB-7 were less than the EPA CUL.

Total PAHs in sediment samples CB-1 through CB-3 plotted above the knee of the DEQ curve for total PAHs, indicating that the detected concentrations are not "typical" of industrial stormwater. Total PAHs in sediment samples CB-4 through CB-7 plotted below the knee of the DEQ curve for total PAHs, indicating that the detected concentrations are "typical" of industrial stormwater.

cPAHs were calculated using one-half the detection limit for non-detects and the toxic equivalency factors presented in the *DEQ Human Health Risk Assessment Guidance* dated October 2010. cPAHs were detected in the sediment samples at concentrations ranging from 17 to 31,004 µg/kg, which are greater than the EPA CUL of 12 µg/kg. However, cPAHs were not detected in sediment samples CB-6 and CB-7.

5.6 PHTHALATES

BEHP was detected in sediment samples CB-4 through CB-7 at concentrations ranging from 6,940 to 13,600 µg/kg, which are greater than the EPA CUL of 135 µg/kg.

The detected concentrations of BEHP plotted below the knee of the DEQ curve for BEHP, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7 METALS

Sediment samples were analyzed for total antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc. Metals detected at concentrations great than EPA CULs and/or JSCS SLVs are discussed in the following sections.

5.7.1 Arsenic

Arsenic was detected in sediment samples CB-2, CB-4 (duplicate), and CB-7 at concentrations ranging from 3.65 to 4.27 mg/kg. The detected concentrations of arsenic are greater than the EPA CUL of 3 mg/kg.

The detected concentrations of arsenic plotted below the knee of the DEQ curve for arsenic, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7.2 Cadmium

Cadmium was detected in sediment samples CB-2, CB-4, CB-4 (duplicate), CB-5, CB-6, and CB-7 at concentrations ranging from 1.15 to 2.49 mg/kg. These detected concentrations of cadmium are greater than the EPA CUL of 0.51 mg/kg.

The detected concentrations of cadmium plotted below the knee of the DEQ curve for cadmium, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7.3 Chromium

Chromium was detected in sediment sample CB-4 at a concentration of 276 mg/kg, which is greater than the JSCS SLV of 111 mg/kg. An EPA CUL has not been established for chromium.

The detected concentrations of chromium in sediment sample CB-4 plotted above the knee of DEQ curve for chromium, indicating that the detected concentration is not "typical" of industrial stormwater. The detected concentrations of chromium in sediment samples CB-1, CB-2, CB-3, CB-5, CB-6, and CB-7 plotted below the knee of the DEQ curve for chromium, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7.4 Copper

Copper was detected in sediment samples CB-4 (duplicate) and CB-7 at concentrations of 153 mg/kg and 244 mg/kg. These detected concentrations are less than the EPA CUL of 359 mg/kg.

The detected concentrations of copper plotted below the knee of the DEQ curve for copper, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7.5 Lead

Lead was detected in sediment samples CB-1 through CB-7 at concentrations ranging from 19.0 to 71.8 mg/kg. These detected concentrations of lead are greater than the JSCS SLV of 17 mg/kg, but are less than the EPA CUL of 196 mg/kg.

The detected concentrations of lead plotted below the knee of the DEQ curve for lead, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7.6 Mercury

Mercury was detected in sediment samples CB-4 through CB-7 at concentrations ranging from 0.0843 to 0.416 mg/kg. These detected concentrations are greater than the EPA CUL of 0.085 mg/kg and the JSCS SLV of 0.070 mg/kg.

The detected concentrations of mercury in sediment sample CB-4 plotted above the knee of DEQ curve for mercury, indicating that the detected concentration is not "typical" of industrial stormwater. The detected concentrations of mercury in sediment samples CB-1, CB-2, CB-3, CB-5, CB-6, and CB-7 plotted below the knee of the DEQ curve for mercury, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7.7 Nickel

Nickel was detected in sediment sample CB-7 at a concentration of 62.9 mg/kg, which is greater than the JSCS SLV of 48.6 mg/kg. An EPA CUL has not been established for nickel.

The detected concentrations of nickel plotted below the knee of the DEQ curve for nickel, indicating that the detected concentrations are "typical" of industrial stormwater.

5.7.8 Zinc

Zinc was detected in sediment samples CB-3, CB-4, CB-5, and CB-7 at concentrations ranging from 606 to 5,860 mg/kg. These detected concentrations are greater than the EPA CUL.

The detected concentrations of zinc in sediment sample CB-3 and CB-5 plotted above the knee of DEQ curve for zinc, indicating that the detected concentrations are not "typical" of industrial stormwater. The detected concentrations of zinc in sediment samples CB-1, CB-2, CB-4, CB-6, and CB-7 plotted below the knee of the DEQ curve for zinc, indicating that the detected concentrations are "typical" of industrial stormwater.

5.8 DIOXINS AND FURANS

Up to 10 dioxins and furans were detected in sediment samples CB-1 through CB-7 at concentrations greater than the EPA CULs.

5.9 ORGANOCHLORINE PESTICIDES

Organochlorine pesticides were not detected in sediment samples CB-1 through CB-7.

5.10 ORGANOCHLORINE HERBICIDES

2,4,5-TP (Silvex) was detected in sediment samples CB-2, CB-3, and CB-4 at concentrations ranging from 9 to 25 µg/kg. An EPA CUL and JSCS SLV have not been established for Silvex. Organochlorine herbicides were otherwise not detected in the sediment samples.

6.0 QA AND QC

The sediment 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 A. 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 sample analyzed. This indicates that cross contamination did not occur during transportation of the samples.

A duplicate sediment sample (CB-4-DUP) was collected from catch basin CB-4. 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.

7.0 SUMMARY AND RECOMMENDATIONS

GeoDesign conducted catch basin sediment sampling at the Former Automatic Vending Company site in accordance with the DEQ-approved work plan.[2] The sediment sample chemical analytical results indicate the following:

- Tributyltin was detected in only one of the sediment samples at a concentration less than the EPA CUL. Based on the low-level detection, the limited number of detections, and the lack of known uses at the project site, it appears that tributyltin is not a COC at the project site.
- Total PCBs detected in catch basins CB4 and CB5 exceed "typical" values for stormwater at industrial sites. Therefore, PCBs appear to be a COC at the project site.
- Total PAHs detected in catch basins CB1, CB2, and CB3 exceed "typical" values for stormwater at industrial sites. Therefore, PAHs appear to be a COC at the project site.
- BEHP was detected in four of the catch basins at concentrations greater than the EPA CUL. Based on our experience with similar industrial stormwater projects, phthalates are considered ubiquitous in the environment, and a site-specific practice has not been identified to explain the detections. The detected concentrations of BEHP appear to represent "typical" stormwater at industrial sites; therefore, BEHP does not appear to be a COC at the project site.
- 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" stormwater at industrial sites and, therefore, do not appear to be COCs at the project site.
- Chromium, mercury, and zinc were detected at elevated concentrations exceeding "typical" values for industrial stormwater. These metals appear to be COCs at the project site.
- Up to 10 dioxins and furans were detected in sediment samples at concentrations greater than EPA CULs and/or JSCS SLVs. However, the detected concentrations were at relatively low levels, and a site-specific practice has not been identified at the project site that would explain the presence of dioxins and furans. In addition, based on our experience with similar industrial stormwater projects, dioxins and furans are considered ubiquitous in the environment. Therefore, dioxins and furans are not considered a COC at the project site. In addition, dioxins and furans are a byproduct of burning organic matter, such as trees. Multiple forest fires have occurred within the last five years that resulted in the deposition of ash in the Portland metro area. A study conducted in southern California found elevated concentrations of dioxins in samples collected of ash and soil.[5] On a percentage basis, the study found that samples were dominated by OCDD and 1,2,3,4,6,7,8-HpCDD and TEQ values ranged from 1.3 to 1,680 pg/g. TEQ values at the project site ranged from 21.2 to 118.8 pg/g and the primary dioxins detected at the project site were OCDD and 1,2,3,4,6,7,8-HpCDD. Based on a lack of a source, the slightly elevated concentrations of dioxins at the project site are most likely associated with the deposition of ash of minor amounts of ash from recent forest fires and not from industrial activity on the project site.
- Organochlorine pesticides were not detected and, therefore, do not appear to be COCs at the project site.
- Organochlorine herbicides were generally not detected and do not appear to be COCs at the project site.

Based on the results of the sediment sampling conducted on December 17, 2020, the stormwater COCs at the project site include PCBs, PAHs, chromium, mercury, and zinc. GeoDesign recommends conducting stormwater sampling at the project site for the

[5] Thomas L. Deardorff, Nathan J. Karch, and Stewart E. Holm, 2008. *Dioxin Levels in Ash and Soil Generated in Southern California Fires.*

aforementioned COCs. Stormwater samples should be collected in accordance with a DEQ-approved work plan. Compliance sampling points will be confirmed with DEQ once configuration of the stormwater conveyance system is confirmed.

8.0 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 GeoDesign, Inc. in accordance with our standard contractual process for third-party reliance. Our interpretations are based on data from select sediment samples. 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 your continued assistance on this project. Please call if you have any questions regarding this submittal.

Sincerely,

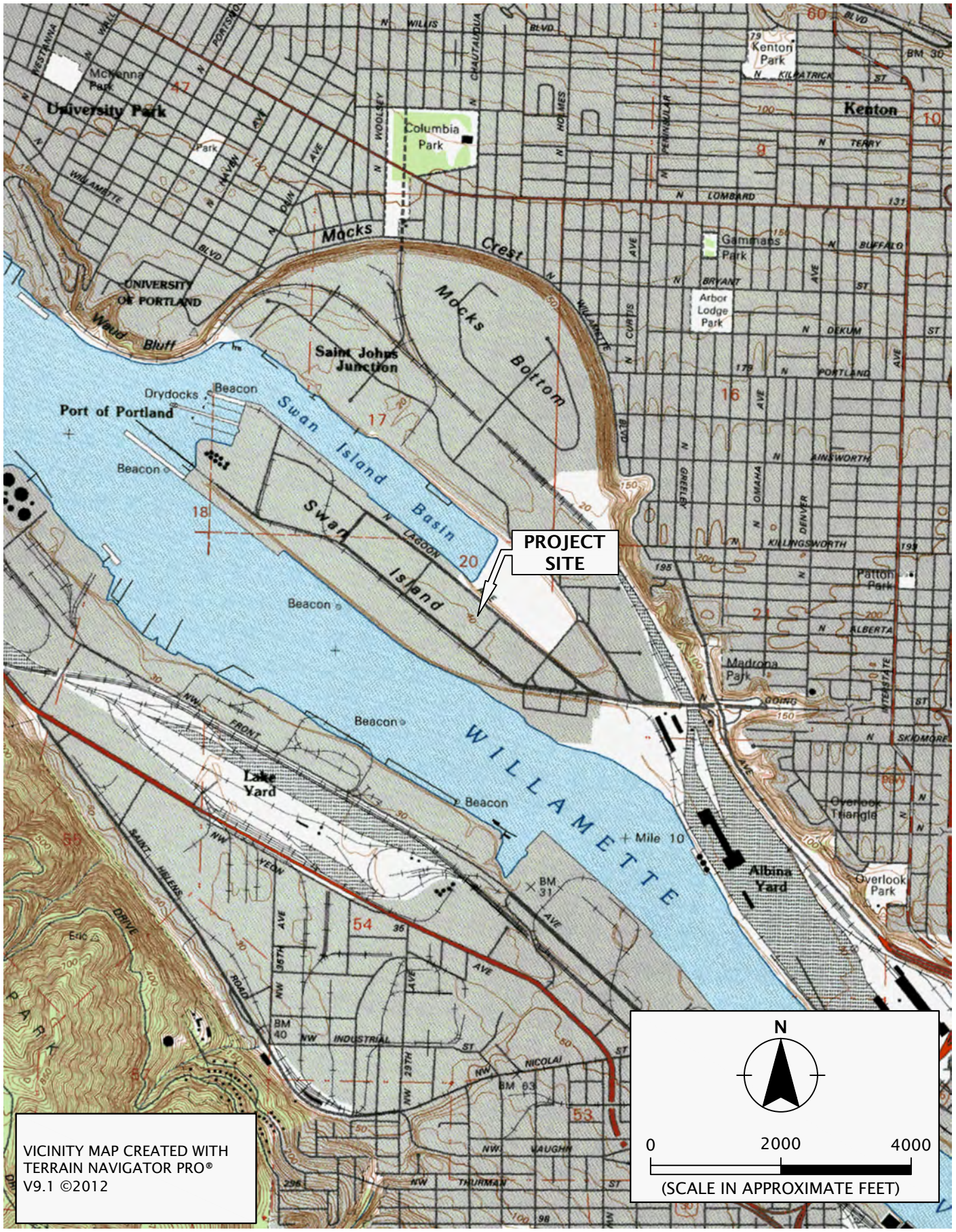
GeoDesign, Inc., DBA NV5

Kyle Haggart, G.I.T.
Environmental Staff

Lon R. Yandell, R.G.
Principal Geologist

Expires 06/01/2021

FIGURES



GeoDesign Inc, An NV5 Company	BCSAMERICA-1-02	**VICINITY MAP**	
	FEBRUARY 2021	FORMER AUTOMATIC VENDING COMPANY PORTLAND, OR	**FIGURE 1**

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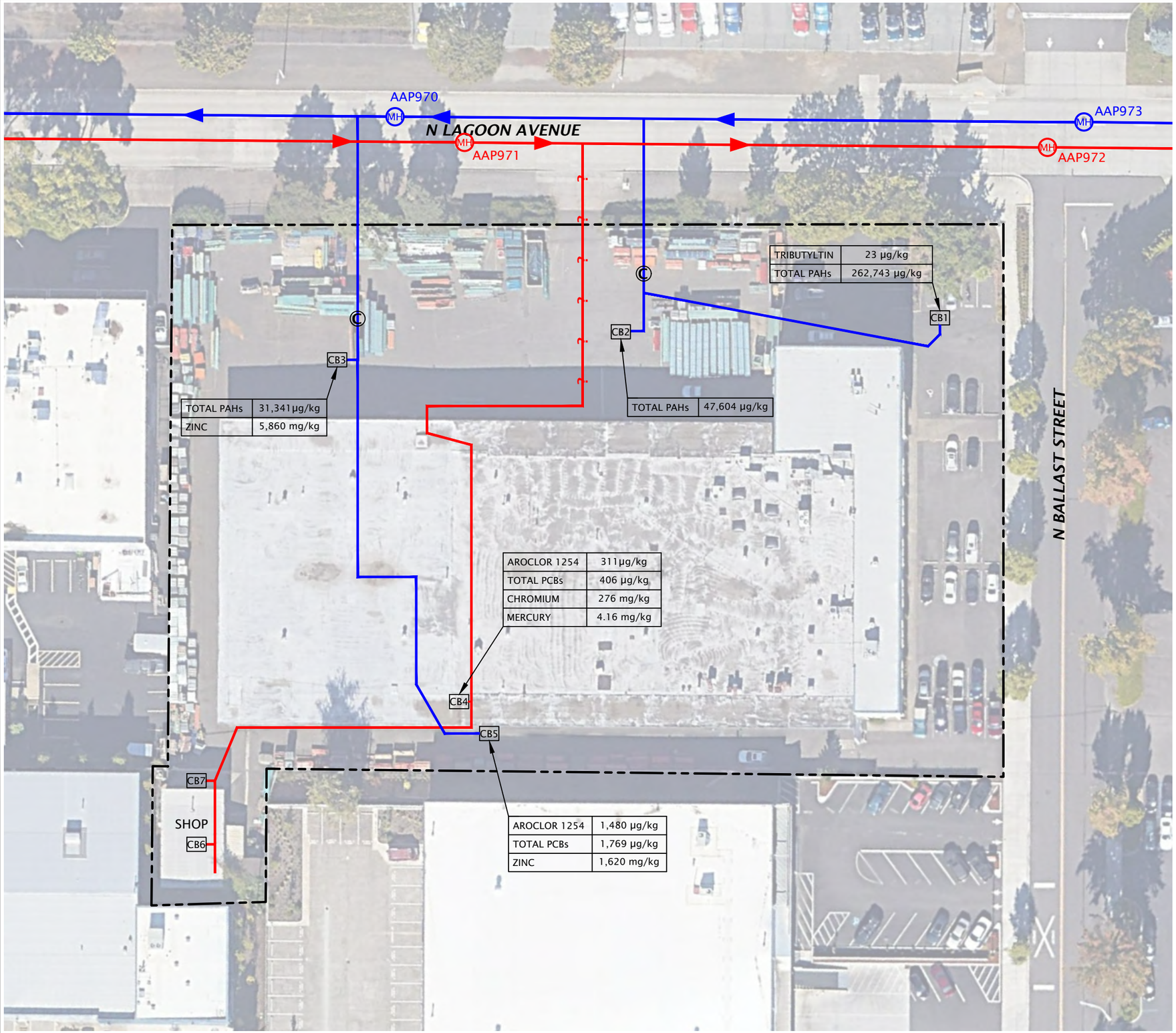
File Name: J:\A-D\BCSAmerica\BCSAmerica-1\BCSAmerica-1-02\Figures\CAD\Sediment Plan\BCSAmerica-1-02-VM01.dwg | Layout: FIGURE 1



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

SITE PLAN

FIGURE 2

FORMER AUTOMATIC VENDING COMPANY
PORTLAND, OR

BCSAMERICA-1-02

FEBRUARY 2021

GeoDesign an NV5 company

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File Name: J:\A-D\BCSAmerica\BCSAmerica-1\BCSAmerica-1-02\Figures\CAD\Sediment Plan\BCSAmerica-1-02-SP01-Sediment.dwg | Layout: FIGURE 2

TABLES

TABLE 1
Summary of Field Observations
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Approximate Volume of Stormwater Removed (gallons)	Thickness of Sediment Column (inches)	Sediment Description	PID Reading (ppm)	Sheen?
CB-1	5	14	Gray-brown silt with sand and organics	0.1	Slight Sheen
CB-2	28	18	Gray-brown, silty sand with organics, trace debris (asphalt concrete)	0.2	Moderate Sheen
CB-3	2	24	Gray-brown silt with sand and organics	0.2	Moderate Sheen
CB-4	50	4	Brown silt with sand, minor organics	0.4	Slight Sheen
CB-5	4	26	Gray-brown, silty sand, minor organics	0.2	Slight Sheen
CB-6	55	6	Gray-black silt, trace sand and debris (metal pieces, wires, grinding wheel)	0.1	Slight Sheen
CB-7	60	3	Gray silt with sand, trace organics	0.2	Slight Sheen

TABLE 2
Summary of Sediment Sample Chemical Analytical Results
Petroleum Hydrocarbons and Organotins
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Gasoline-Range Hydrocarbons Method NWTPH-Gx (mg/kg)	Diesel- and Oil-Range Hydrocarbons Method NWTPH-Dx (mg/kg)		Organotins Method Organotins SIM (µg/kg)			
			Diesel-Range	Oil-Range	Tetrabutyltin	Tributyltin	Dibutyltin	Monobutyltin
CB-1	12/17/20	**33.2**	49.9 U	**1,960**	2.2 U	**23**	**29**	4.1 U
CB-2	12/17/20	**10.1** J	*97.8 U*	**3,120**	1.0 U	2.0 U	**9.7**	1.9 U
CB-3	12/17/20	5.60 U	*96.1 U*	**3,200**	1.2 U	*2.5 U*	1.2 U	2.3 U
CB-4	12/17/20	14.2 U	*96.2 U*	**3,170**	2.5 U	5.0 U	2.5 U	4.7 U
CB-4-DUP	12/17/20	13.3 U	*495 U*	**4,780**	2.8 U	5.5 U	2.7 U	5.1 U
CB-5	12/17/20	11.6 U	*97.6 U*	**3,450**	2.2 U	4.5 U	2.2 U	4.2 U
CB-6	12/17/20	**31.1**	*97.3 U*	**2,480**	2.2 U	4.3 U	2.1 U	4.0 U
CB-7	12/17/20	8.39 U	49.6 U	**2,590**	1.8 U	3.7 U	1.8 U	3.4 U
EPA CULs[1]		NE	91	NE	NE	3,080	NE	NE
JSCS SLVs[2]		NE	NE	NE	NE	2.3	NE	NE

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
J: estimated result
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Italics indicate detection limit is greater than EPA CULs and/or JSCS SLVs.
Shading indicates analyte detection at a concentration greater than EPA CULs and/or JSCS SLVs.

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

Sample I.D.	Sample Date	VOCs[1] EPA Method 8260D (µg/kg)													
		4-Isopropyltoluene		Naphthalene		Toluene		1,2,4-TMB		1,3,5-TMB		Vinyl Chloride		m,p-Xylenes		o-Xylenes	
CB-1	12/17/20	**448**		**336**	J	**207**	J	144	U	144	U	71.8	U	144	U	71.8	U
CB-2	12/17/20	**76.3**	J	**154**	J	**110**	J	**160**		**86.1**	J	35.3	U	70.6	U	**35.3**	J
CB-3	12/17/20	**56.0**	J	112	U	56.0	U	56.0	U	56.0	U	28.0	U	56.0	U	28.0	U
CB-4	12/17/20	142	U	283	U	142	U	142	U	142	U	70.8	U	142	U	70.8	U
CB-4-DUP	12/17/20	133	U	266	U	133	U	133	U	133	U	66.6	U	133	U	66.6	U
CB-5	12/17/20	116	U	231	U	**562**		116	U	116	U	57.8	U	116	U	57.8	U
CB-6	12/17/20	**377**		**286**	J	**149**	J	**552**		**194**	J	71.4	U	**220**	J	**111**	J
CB-7	12/17/20	83.9	U	**168**	J	**151**	J	**122**	J	83.9	U	41.9	U	83.9	U	41.9	U
EPA CULs[2]		NE		NE		NE		NE		NE		NE		NE		NE	
JSCS SLVs[3]		NE		561		NE		NE		NE		NE		NE		NE	

Notes:
1. Only VOCs detected during this investigation are listed. For a complete listing of VOCs, refer to the laboratory report in Appendix A.
2. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
3. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
J: estimated result
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.

TABLE 4
Summary of Sediment Sample Chemical Analytical Results
PCBs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	PCBs EPA Method 8082A (µg/kg)							Handling of Non-Detect Values[1]	Total PCBs (µg/kg)
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
CB-1	12/17/20	9.13 U	9.13 U	18.3 U	9.13 U	9.13 U	9.13 U	9.13 U	0	0.0
									1/2 DL	**36.5**
									DL	**73.1**
CB-2	12/17/20	8.47 U	8.47 U	16.9 U	8.47 U	8.47 U	**12.4** J	**15.2** J	0	**27.6**
									1/2 DL	**53.0**
									DL	**78.4**
CB-3	12/17/20	8.16 U	8.16 U	8.16 U	**111** P-12	8.16 U	**45.6** P-12	**23.6** P-12	0	**180**
									1/2 DL	**197**
									DL	**213**
CB-4	12/17/20	9.26 U	9.26 U	9.26 U	**32.8** P-12	9.26 U	**311** P-12	**43.3** P-12	0	**387**
									1/2 DL	**406**
									DL	**424**
CB-4-DUP	12/17/20	7.66 U	7.66 U	7.66 U	**48.2** P-12	7.66 U	**240** P-12	**58.8** P-12	0	**347**
									1/2 DL	**362**
									DL	**378**
CB-5	12/17/20	96.2 U	96.2 U	96.2 U	96.2 U	96.2 U	**1,480**	96.2 U	0	**1,480**
									1/2 DL	**1,769**
									DL	**2,057**

TABLE 4
Summary of Sediment Sample Chemical Analytical Results
PCBs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	PCBs EPA Method 8082A (µg/kg)							Handling of Non-Detect Values[1]	Total PCBs (µg/kg)
		Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260		
CB-6	12/17/20	19.6 U	19.6 U	60.4 U	19.6 U	19.6 U	**40.0** P-12	**21.7** P-12	0	**62**
									1/2 DL	**131**
									DL	**201**
CB-7	12/17/20	9.66 U	19.3 U	19.3 U	9.66 U	19.3 U	**53.1** P-12	**50.2** P-12	0	**103**
									1/2 DL	**142**
									DL	**181**
EPA CULs[2]		NE	NE	NE	NE	NE	NE	NE		9
JSCS SLVs[3]		530	NE	NE	NE	1,500	300	200		0.39

Notes:
1. 0 = zero used for non-detect values, 1/2 DL = one-half detection limit used for non-detect values, DL = detection limit used for non-detect values.
2. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
3. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005

J: estimated result
P-12: Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than EPA CULs and/or JSCS SLVs.

TABLE 5
Summary of Sediment Sample Chemical Analytical Results
PAHs and SVOCs
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	PAHs EPA Method 8270E-SIM (µg/kg)																	Handling of Non-Detect Values[2]	Total PAHs (µg/kg)	cPAHs (µg/kg)	SVOCs EPA Method 8270E-SIM (µg/kg)	
		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	2-Methylnaphthalene	Naphthalene[1]	Phenanthrene	Pyrene				Carbazole	Dibenzofuran
CB-1	12/17/20	**957** J,Q-42	*937 U*	**3,070**	**14,400**	**21,400**	**27,300** M-05	**18,600**	**21,100**	**26,600**	**2,900**	**41,200**	*937 U*	**21,100**	*1,880 U*	**336** J	**17,200**	**37,400**	0	253,563	28,894	**5,290**	937 U
																			1/2 DL	255,440			
																			DL	257,317			
CB-2	12/17/20	*828 U*	*828 U*	828 U	**2,650**	**4,160**	**4,590** M-05	**3,690** M-05	**2,970**	**4,640**	828 U	**7,240**	*828 U*	**2,870**	*1,660 U*	**154** J	**2,490**	**6,710**	0	42,164	7,785	1,240 U	828 U
																			1/2 DL	45,064			
																			DL	47,964			
CB-3	12/17/20	*867 U*	*867 U*	*867 U*	**1,730** J	**2,760**	**3,160** M-05	**2,490** J	**1,740**	**2,710**	867 U	**3,910**	*867 U*	**1,740**	*1,740 U*	112 U	**1,620**	**3,620**	0	23,860	2,724	1,300 U	867 U
																			1/2 DL	28,574			
																			DL	33,407			
CB-4	12/17/20	*455 U*	*455 U*	455 U	**570** J	**1,220** J	**1,400** M-05	**1,020** J	**550** J	**1,080**	455 U	**1,280**	455 U	**663** J	*914 U*	283 U	**638** J	**1,360**	0	9,781	569	685 U	455 U
																			1/2 DL	11,517			
																			DL	14,167			
CB-4-DUP	12/17/20	*384 U*	*384 U*	384 U	**572** J	**1,180**	**1,390** M-05	**978** J	**580** J	**1,050**	384 U	**1,320**	384 U	**760** J	*770 U*	266 U	**687** J	**1,410**	0	9,927	1,397	577 U	384 U
																			1/2 DL	11,405			
																			DL	13,653			
CB-5	12/17/20	*394 U*	*394 U*	394 U	**665** J	**1,220**	**1,400** M-05	**954** J	**628** J	**1,290**	394 U	**1,320**	394 U	**647** J	*792 U*	231 U	**649** J	**1,430**	0	10,203	1,221	593 U	394 U
																			1/2 DL	11,700			
																			DL	13,988			
CB-6	12/17/20	*353 U*	*353 U*	353 U	353 U	531 U	531 U	531 U	*353 U*	353 U	353 U	353 U	353 U	*353 U*	*709 U*	**286** J	353 U	353 U	0	286	177	531 U	353 U
																			1/2 DL	3,555			
																			DL	7,533			
CB-7	12/17/20	*344 U*	*344 U*	344 U	344 U	517 U	517 U	517 U	*344 U*	344 U	344 U	344 U	344 U	*344 U*	*691 U*	**168** J	344 U	344 U	0	168	17	517 U	344 U
																			1/2 DL	3,353			
																			DL	7,229			
EPA CULs[3]		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE		23,000	774	NE	NE
JSCS SLVs[4]		200	200	845	1,050	1,450	NE	13,000	300	1,290	1,300	2,230	536	100	200	561	1,170	1,520		NE	NE	1,600	NE

Notes:
1. Naphthalene was analyzed by Method 8260D and 8270E-SIM. Method 8260D resulted in lower detection limits, and therefore these results are shown.
2. 0 = zero used for non-detect values, 1/2 DL = one-half detection limit used for non-detect values, DL = detection limit used for non-detect values.
3. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
4. 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-05: Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-42: MS and/or MSD 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.
Italics indicate detection limit is greater than EPA CULs and/or JSCS SLVs.
Bolding indicates analyte detection.
Shading indicates analyte detection at a concentration greater than EPA CULs and/or JSCS SLVs.

TABLE 6
Summary of Sediment Sample Chemical Analytical Results
Phthalates
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Phthalates EPA Method 8270E (µg/kg)					
		BEHP	Butyl Benzyl Phthalate	Diethylphthalate	Dimethylphthalate	Di-n-butylphthalate	Di-n-octyl Phthalate
CB-1	12/17/20	*14,100 U*	9,370 U	9,370 U	9,370 U	*9,370 U*	9,370 U
CB-2	12/17/20	*12,400 U*	8,280 U	8,280 U	8,280 U	*8,280 U*	8,280 U
CB-3	12/17/20	*13,000 U*	8,670 U	8,670 U	8,670 U	*8,670 U*	8,670 U
CB-4	12/17/20	**10,300 J**	4,550 U	4,550 U	4,550 U	*4,550 U*	4,550 U
CB-4-DUP	12/17/20	**9,180 J**	3,840 U	3,840 U	3,840 U	*3,840 U*	3,840 U
CB-5	12/17/20	**6,940 J**	3,940 U	3,940 U	3,940 U	*3,940 U*	3,940 U
CB-6	12/17/20	**13,600**	3,530 U	3,530 U	3,530 U	*3,530 U*	3,530 U
CB-7	12/17/20	**12,900**	3,440 U	3,440 U	3,440 U	*3,440 U*	3,440 U
EPA CULs[1]		135	NE	NE	NE	NE	NE
JSCS SLVs[2]		330	NE	NE	NE	60	NE

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
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.
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Italics indicate detection limit is greater than EPA CULs and/or JSCS SLVs.
Shading indicates analyte detection at a concentration greater than EPA CULs and/or JSCS SLVs.

TABLE 7
Summary of Sediment Sample Chemical Analytical Results
Total Metals
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Total Metals EPA Method 6020B (ICP-MS) (mg/kg)												
		Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
CB-1	12/17/20	**0.956** J	**1.59**	0.101 U	**0.265**	**30.4**	**41.0**	**19.0**	0.0402 U	**13.8**	0.503 U	0.101 U	0.101 U	**224**
CB-2	12/17/20	**1.07**	**3.65**	0.100 U	**1.18**	**27.6**	**87.8**	**29.0**	0.0401 U	**22.3**	0.501 U	0.100 U	0.100 U	**383**
CB-3	12/17/20	**1.03**	**1.77**	0.100 U	**0.239**	**29.5**	**51.6**	**46.9**	**0.0531** J	**12.0**	0.500 U	**0.148** J	0.100 U	**5,860**
CB-4	12/17/20	**2.48** Q-42	**3.43**	0.109 U	**2.24**	**276** Q-42	**143** Q-42	**63.9**	**0.375**	**32.2**	0.547 U	**0.223**	0.109 U	**606** Q-42
CB-4-DUP	12/17/20	**2.71**	**3.89**	0.106 U	**2.49**	**146**	**153**	**67.5**	**0.416**	**33.8**	0.532 U	**0.333**	0.106 U	**661**
CB-5	12/17/20	**2.23**	**1.78**	0.104 U	**1.18**	**41.2**	**107**	**71.8**	**0.148**	**21.2**	0.520 U	**0.273**	0.104 U	**1,620**
CB-6	12/17/20	**0.593** J	**2.30**	0.108 U	**1.24**	**16.7**	**92.0**	**30.8**	**0.0843** J	**17.5**	0.538 U	**0.183** J	0.108 U	**253**
CB-7	12/17/20	**1.28**	**4.27**	0.104 U	**1.15**	**34.4**	**244**	**24.0**	**0.197**	**62.9**	0.519 U	**0.175** J	0.104 U	**1,050**
EPA CULs[1]		NE	3	NE	0.51	NE	359	196	0.085	NE	NE	NE	NE	459
JSCS SLVs[2]		64	7	NE	1	111	149	17	0.070	48.6	NE	5	NE	459

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
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.
Q-42: MS and/or MSD 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 EPA CULs and/or JSCS SLVs.

TABLE 8
Summary of Sediment Sample Chemical Analytical Results
Dioxins and Furans
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Dioxins and Furans EPA Method 8290 (pg/g)																									TEQ (pg/g)
		2,3,7,8-TCDD	1,2,3,7,8-PeCDD	1,2,3,4,7,8,-HxCDD	1,2,3,6,7,8,-HxCDD	1,2,3,7,8,9,-HxCDD	1,2,3,4,6,7,8,-HpCDD	1,2,3,4,6,7,8,9-OCDD	Total TeCDD	Total PeCDD	Total HxCDD	Total HpCDD	2,3,7,8-TCDF	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	1,2,3,4,7,8,-HxCDF	1,2,3,6,7,8,-HxCDF	2,3,4,6,7,8,-HxCDF	1,2,3,7,8,9,-HxCDF	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8,9-OCDF	Total TeCDF	Total PeCDF	Total HxCDF	Total HpCDF	
CB-1	12/17/20	*12.8 U*	**14.4** J	11.0 U	**11.4** J,K	**26.9** J,K	**294**	**3,550**	12.8 U	**80.7** J,K	**180** J,K	**624**	*11.4 U*	*5.61 U*	*5.35 U*	**7.55** J	*6.11 U*	**7.72** J,K	*9.38 U*	**56.6** J,K	16.9 U	97.3 J	11.4 U	**30.9** J,K	**73.9** J,K	**141** J,K	42.9
CB-2	12/17/20	**2.76** J	**6.63** J,K	**5.09** J	**13.1** J,K	**9.82** J	**342**	**4,700**	**2.76** J	**22.8** J,K	**106** J,K	**693**	*4.04 U*	**3.20** BJ	**4.42** J,K	**5.03** J	**4.24** J,K	**5.41** J,K	*3.49 U*	**49.6** J	4.07 U	**108** J	**19.3** J,K	**57.1** J,K	**85.3** J,K	**137** J,K	21.2
CB-3	12/17/20	*4.20 U*	**9.06** J,K	**7.38** J,K	**13.0** J,K	**13.7** J	**300**	**3,320**	**4.20** J	**34.3** J,K	**125** J,K	**631**	**5.80** J,K	**4.47** J,K	**5.28** J,K	**7.59** J	**6.05** J,K	**5.38** J,K	*5.03 U*	**59.0** J	8.53 U	**112** J	**17.7** J,K	**66.7** J,K	**91.6** J,K	**149** J,K	26.1
CB-4	12/17/20	*5.83 U*	**19.4** J,K	**22.3** J	**61.5** J,K	**45.9** J	**1,990**	**20,100**	**11.0** J,K	**111** J,K	**539.0** J	**3,980**	**26.9** J,K	**20.3** J	**33.5** J	**44.8** J	**40.5** J	**39.8** J,K	**13.5** J,K	**518**	**33.9** J	**1,160**	**348** J,K	**365** J,K	**637** J,K	**1,480** J	97.2
CB-4-DUP	12/17/20	*5.18 U*	**21.5** J	**25.3** J,K	**70.1** J	**53.0** J	**1,900**	**18,000**	**21.4** J,K	**131** J,K	**584** J,K	**3,660**	**39.9**	**36.5** J,K	**67.2** J	**69.2** J	**62.0** J	**60.3** J,K	**20.4** J,K	**570**	**45.3** J,K	**1,030**	**775** J,K	**717** J,K	**859** J,K	**1,480** J,K	118.8
CB-5	12/17/20	*3.80 U*	**20.9** J,K	**19.0** J,K	**60.9** J	**48.2** J	**2,630**	**37,100**	**16.5** J	**120** J,K	**529** J,K	**5,270**	**12.7** J	**9.71** J,K	**13.8** J	**24.1** J	**18.5** J,K	**20.8** J	**6.10** J,K	**388**	**25.0** J	**794**	**93.7** J,K	**203** J,K	**528** J,K	**1,190** J	92.0
CB-6	12/17/20	*5.91 U*	*12.5 U*	10.2 U	9.95 U	10.2 U	**57.0** J	**454**	5.91 U	12.5 U	9.95 U	**105** J	*7.65 U*	*7.69 U*	*6.63 U*	**6.25** J	*5.57 U*	*5.95 U*	*7.18 U*	**18.1** J,K	9.14 U	**27.9** J	7.65 U	**5.87** BJ,K	**15.6** BJ,K	**51.3** J,K	27.9
CB-7	12/17/20	*5.69 U*	*7.74 U*	6.97 U	7.24 U	7.19 U	**108** J	**820**	5.69 U	7.74 U	**32.3** J,K	**218** J	*7.52 U*	*5.42 U*	*5.26 U*	**6.30** J,K	*6.47 U*	*6.74 U*	*8.84 U*	**28.9** J	9.90 U	**43.3** J	7.52 U	16.2 J,K	**41.6** J,K	**69.3** J	22.6
EPA CULs[2]		0.2	0.2	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.40658	NE	0.3	0.4	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	10
JSCS SLVs[3]		0.0091	2.6	NE	NE	NE	690	NE	NE	NE	NE	NE	0.77	2.6	0.03	2.7	2.7	2.7	2.7	690	690	NE	NE	NE	NE	NE	NE

Notes:
1. TEFs adopted for use by the Word Health Organization and by EPA (2010).
2. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
3. 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.
J: estimated value
K: estimated maximum possible concentration
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.
Italics indicate detection limit is greater than EPA CULs and/or JSCS SLVs.
Shading indicates analyte detection at a concentration greater than EPA CULs and/or JSCS SLVs.

TABLE 9
Summary of Sediment Sample Chemical Analytical Results
Organochlorine Pesticides
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Organochlorine Pesticides EPA Method 8081B (mg/kg)																			
		4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	alpha-HCH	beta-BHC	Chlordane	delta-BHC	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin	Endrin Aldehyde	Endrin Ketone	gamma-HCH	Heptachlor	Heptachlor Epoxide	Methoxychlor	Toxaphene
CB-1	12/17/20	*0.0479 U*	*0.0165 U*	*0.0331 U*	*0.0165 U*	0.0165 U	0.0165 U	*0.496 U*	0.0165 U	*0.0165 U*	0.0165 U	0.0165 U	0.0165 U	0.0165 U	0.0331 U	0.0331 U	*0.0165 U*	*0.0165 U*	*0.0165 U*	0.0496 U	0.496 U
CB-2	12/17/20	*0.0157 U*	*0.00784 U*	*0.00784 U*	*0.00784 U*	0.00784 U	0.00784 U	*0.235 U*	0.00784 U	*0.00784 U*	0.00784 U	0.00784 U	0.00784 U	0.00784 U	0.0157 U	0.0157 U	*0.00784 U*	0.00784 U	0.00784 U	0.0235 U	0.235 U
CB-3	12/17/20	*0.00930 U*	*0.00930 U*	*0.00930 U*	*0.00930 U*	0.00930 U	0.00930 U	*0.279 U*	0.00930 U	*0.00930 U*	0.00930 U	0.00930 U	0.00930 U	0.00930 U	0.00930 U	0.00930 U	*0.00930 U*	0.00930 U	0.00930 U	0.0279 U	0.279 U
CB-4	12/17/20	*0.00943 U*	*0.00943 U*	*0.0189 U*	*0.00943 U*	0.00943 U	0.00943 U	*0.283 U*	0.00943 U	*0.00943 U*	0.00943 U	0.00943 U	0.00943 U	0.00943 U	0.00943 U	0.00943 U	*0.00943 U*	0.00943 U	0.00943 U	0.0283 U	0.283 U
CB-4-DUP	12/17/20	*0.00962 U*	*0.00962 U*	*0.0192 U*	*0.00962 U*	0.00962 U	0.00962 U	*0.288 U*	0.00962 U	*0.00962 U*	0.00962 U	0.00962 U	0.00962 U	0.0192 U	0.00962 U	0.00962 U	*0.00962 U*	0.00962 U	0.00962 U	0.0288 U	0.288 U
CB-5	12/17/20	*0.00980 U*	*0.0196 U*	*0.0500 U*	*0.00980 U*	0.00980 U	0.0284 U	*0.294 U*	0.00980 U	*0.0196 U*	0.00980 U	0.00980 U	0.00980 U	0.00980 U	0.00980 U	0.00980 U	*0.00980 U*	0.00980 U	*0.0196 U*	0.0294 U	0.294 U
CB-6	12/17/20	*0.00472 U*	*0.00943 U*	*0.00943 U*	*0.00472 U*	0.00472 U	0.0137 U	*0.142 U*	0.00943 U	*0.00472 U*	0.00472 U	0.00472 U	0.00472 U	0.00943 U	0.00472 U	0.00472 U	*0.00472 U*	0.00943 U	0.00472 U	0.0142 U	0.142 U
CB-7	12/17/20	*0.00433 U*	*0.00433 U*	*0.00866 U*	*0.00433 U*	0.00433 U	0.00866 U	*0.130 U*	0.00433 U	*0.00433 U*	0.00433 U	0.00433 U	0.00433 U	0.00433 U	0.00433 U	0.00433 U	*0.00433 U*	0.00433 U	0.00433 U	0.0130 U	0.130 U
EPA CULs[1]		0.114	0.226	0.246	0.002	NE	NE	NE	NE	0.00007	NE	NE	NE	NE	NE	NE	0.005	NE	NE	NE	NE
JSCS SLVs[2]		0.00033	0.00033	0.00033	0.04	NE	NE	0.00037	NE	0.0000081	NE	NE	NE	0.207	NE	NE	0.00499	0.010	0.016	NE	NE

Notes:
1. Table 17 of EPA's Record of Decision for the Portland Harbor Superfund Site, dated January 2017
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005
Italics indicate detection limit is greater than EPA CULs and/or JSCS SLVs.
U: Not detected. Reporting or detection limit shown.

TABLE 10
Summary of Surface Soil Sample Chemical Analytical Results
Organochlorine Herbicides
Former Automatic Vending Company
5001 North Lagoon Avenue
Portland, Oregon

Sample I.D.	Sample Date	Organochlorine Herbicides EPA Method 8151 (µg/kg)									
		2,4,5-T	2,4,5-TP (Silvex)	2,4-D	2,4-D	Dalapon	Dicamba	Dichlorprop	Dinoseb	MCPA	MCPP
CB-1	12/17/20	12 U	11 U	150 U	150 U	230 U	15 U	150 U	60 U	33,000 U	21,000 U
CB-2	12/17/20	5.4 U	**15** J	71 U	68 U	110 U	6.9 U	72 U	28 U	15,000 U	9,700 U
CB-3	12/17/20	6.4 U	**9** J,P	84 U	81 U	130 U	8.2 U	85 U	33 U	18,000 U	11,000 U
CB-4	12/17/20	13 U	**24** J	170 U	160 U	250 U	16 U	170 U	66 U	36,000 U	23,000 U
CB-4-DUP	12/17/20	13 U	**25** J	180 U	170 U	260 U	17 U	180 U	70 U	38,000 U	24,000 U
CB-5	12/17/20	12 U	11 U	150 U	150 U	230 U	15 U	150 U	60 U	33,000 U	21,000 U
CB-6	12/17/20	12 U	11 U	150 U	150 U	230 U	15 U	150 U	60 U	33,000 U	21,000 U
CB-7	12/17/20	9.2 U	9.1 U	120 U	120 U	180 U	12 U	120 U	48 U	26,000 U	16,000 U
EPA CULs[1]		NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
JSCS SLVs[2]		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, dated January 2017
2. Table 3.1 of DEQ's Portland Harbor Joint Source Control Strategy, dated December 2005

J: Result is less than the reporting limit but greater than or equal to the MDL and the concentratoin is an approximate value.
P: The percent RPD between the primary and confirmation column/detector is greater than 40 percent. The lower value has been reported.
U: Not detected. Reporting or detection limit shown.
Bolding indicates analyte detection.

APPENDIX A

APPENDIX A

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)	
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.

Sediment Laboratory Detection Limit Exceedances (continued)

Analyte	Sample Name	Detection Limit	Screening Levels	Explanation for Non-Significance
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 COC.
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)	
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)	

Sediment Laboratory Detection Limit Exceedances (continued)

Analyte	Sample Name	Detection Limit	Screening Levels	Explanation for Non-Significance
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)	
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)	

SUMMARY OF ANALYTICAL DATA REVIEW

GeoDesign 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

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
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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*

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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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

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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**		

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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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)*	

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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	

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Philip Nerenberg, Lab Director

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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	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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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	

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Philip Nerenberg, Lab Director

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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	

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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	

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Philip Nerenberg, Lab Director

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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	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
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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	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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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

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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	

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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	

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Philip Nerenberg, Lab Director

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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	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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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	

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Philip Nerenberg, Lab Director

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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	

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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	

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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	

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Philip Nerenberg, Lab Director

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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	

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Philip Nerenberg, Lab Director

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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**		

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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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	

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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	

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Philip Nerenberg, Lab Director

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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*	

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Philip Nerenberg

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GeoDesign, 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	

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Philip Nerenberg, Lab Director

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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

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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*	

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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	

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Philip Nerenberg, Lab Director

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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	

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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	

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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

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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	

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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	

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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*	

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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

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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

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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**		

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Philip Nerenberg, Lab Director

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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**		

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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**		

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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**		

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Philip Nerenberg, Lab Director

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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**		

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Philip Nerenberg, Lab Director

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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*

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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	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
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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								

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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	

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Philip Nerenberg, Lab Director

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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	

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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	

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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

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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 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 %*			*"*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 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 %*		*"*					

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QUALITY CONTROL (QC) SAMPLE RESULTS

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

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 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 %*		*"*					

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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	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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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*

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Philip Nerenberg, Lab Director

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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%	---	---	

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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%	---	---	

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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%	

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Philip Nerenberg, Lab Director

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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%	

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GeoDesign, 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

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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%	---	---	

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GeoDesign, 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 %*			*"*				

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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	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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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*

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Philip Nerenberg, Lab Director

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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%	---	---	

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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%	---	---	

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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%	

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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%	

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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%	

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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%	

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GeoDesign, 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%	---	---	

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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%	---	---	

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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 %*				*"*			

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Philip Nerenberg, Lab Director

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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	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

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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*

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Philip Nerenberg, Lab Director

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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%	---	---	

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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%	---	---	

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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%	

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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%	

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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%**	---	---	

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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%**	---	---	

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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 %*				*"*			

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
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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	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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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*

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Philip Nerenberg, Lab Director

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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%	---	---	

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Philip Nerenberg, Lab Director

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GeoDesign, 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%	---	---	

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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%	

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Philip Nerenberg, Lab Director

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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%	

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GeoDesign, 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%	

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ORELAP ID: **OR100062**

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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%	

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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%	---	---	

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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%	---	---	

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Philip Nerenberg, Lab Director

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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 %*			*"*				

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Philip Nerenberg, Lab Director

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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%	---	---	

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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*					

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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%	---	---	

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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%	

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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%	---	---	

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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 %*			*"*				

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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

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ORELAP ID: **OR100062**

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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 %*	*"*

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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

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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**					

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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												

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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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

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Philip Nerenberg, Lab Director

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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.

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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.

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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							

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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

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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							

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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

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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

Philip Nerenberg

Philip Nerenberg, Lab Director

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GeoDesign, Inc.	Project:	**Former Automatic Vending Co.**	
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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

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Philip Nerenberg, Lab Director

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

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

NR Result Not Reported

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

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

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

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

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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

GeoDesign, Inc.	Project: **Former Automatic Vending Co.**	
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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

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC

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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

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GeoDesign, 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 circled) 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, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Dioxins/Furans 1613	TBT Krone	Herbicides 8151	Pesticides 8181	Phthalates 8270E		Archive
CB-1		12/17/20	1010	SS	5		X	X				X	X		X			X			X	X	X	X	X		
CB-2			850				X	X				X	X		X			X			X	X	X	X	X		
CB-3			915				X	X				X	X		X			X			X	X	X	X	X		
CB-4			1100				X	X				X	X		X			X			X	X	X	X	X		
CB-4_Dup			1105				X	X				X	X		X			X			X	X	X	X	X		
CB-5			1135				X	X				X	X		X			X			X	X	X	X	X		
CB-6			1310				X	X				X	X		X			X			X	X	X	X	X		
CB-7			1230				X	X				X	X		X			X			X	X	X	X	X		
TB (121720)			1330									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] Date: 12/17/20	Signature: [signature] Date: 12/17/20	Signature: Date:	Signature: Date:
Printed Name: Tim Hainley Time: 1530	Printed Name: Anissakepa Time: 1530	Printed Name: Time:	Printed Name: Time:
Company: GeoDesign	Company: Apex labs	Company:	Company:

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: Cooler Inspected by: AKK See Project Contact Form: Y

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

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

Table of Contents

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

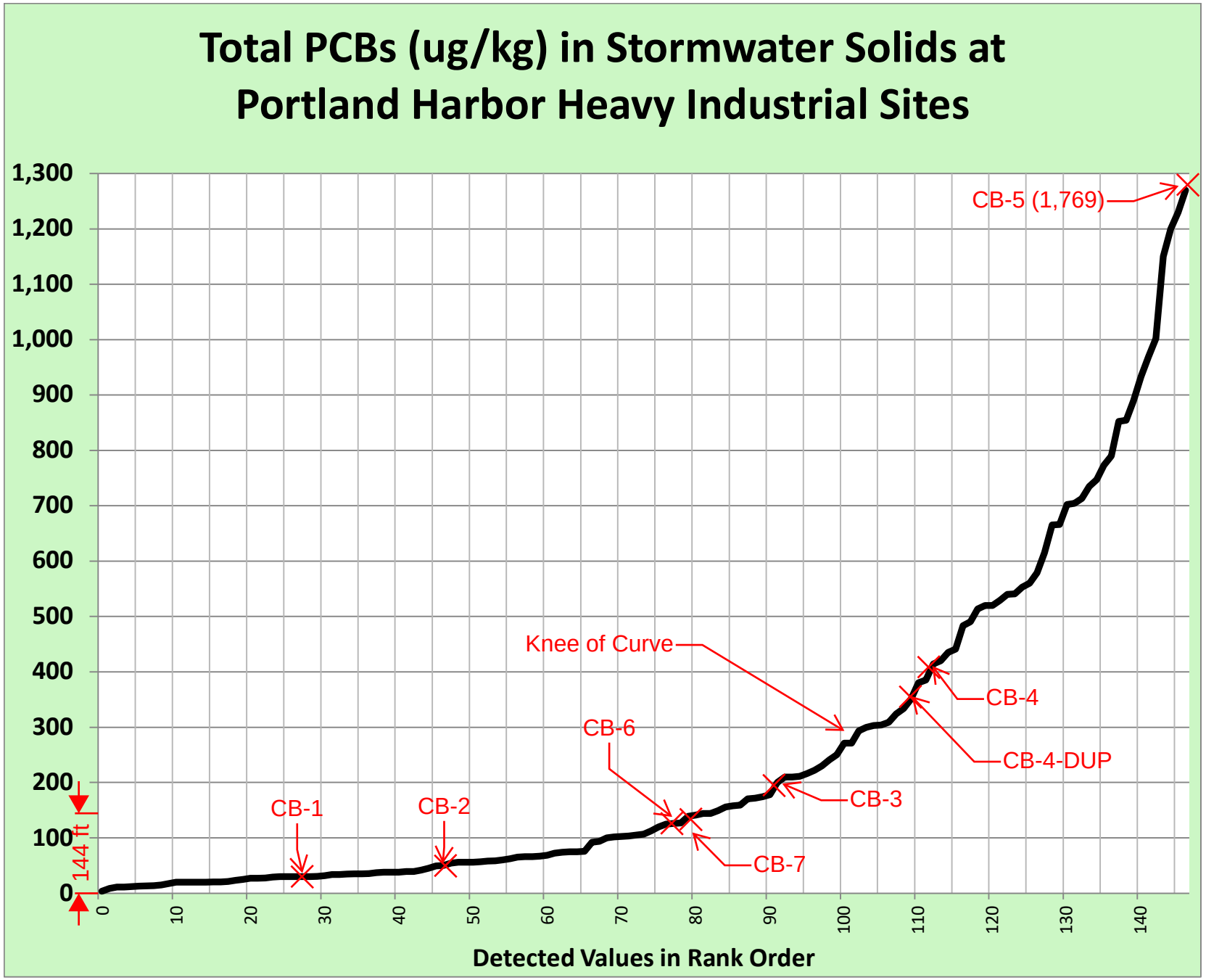
Percent Dry Weight

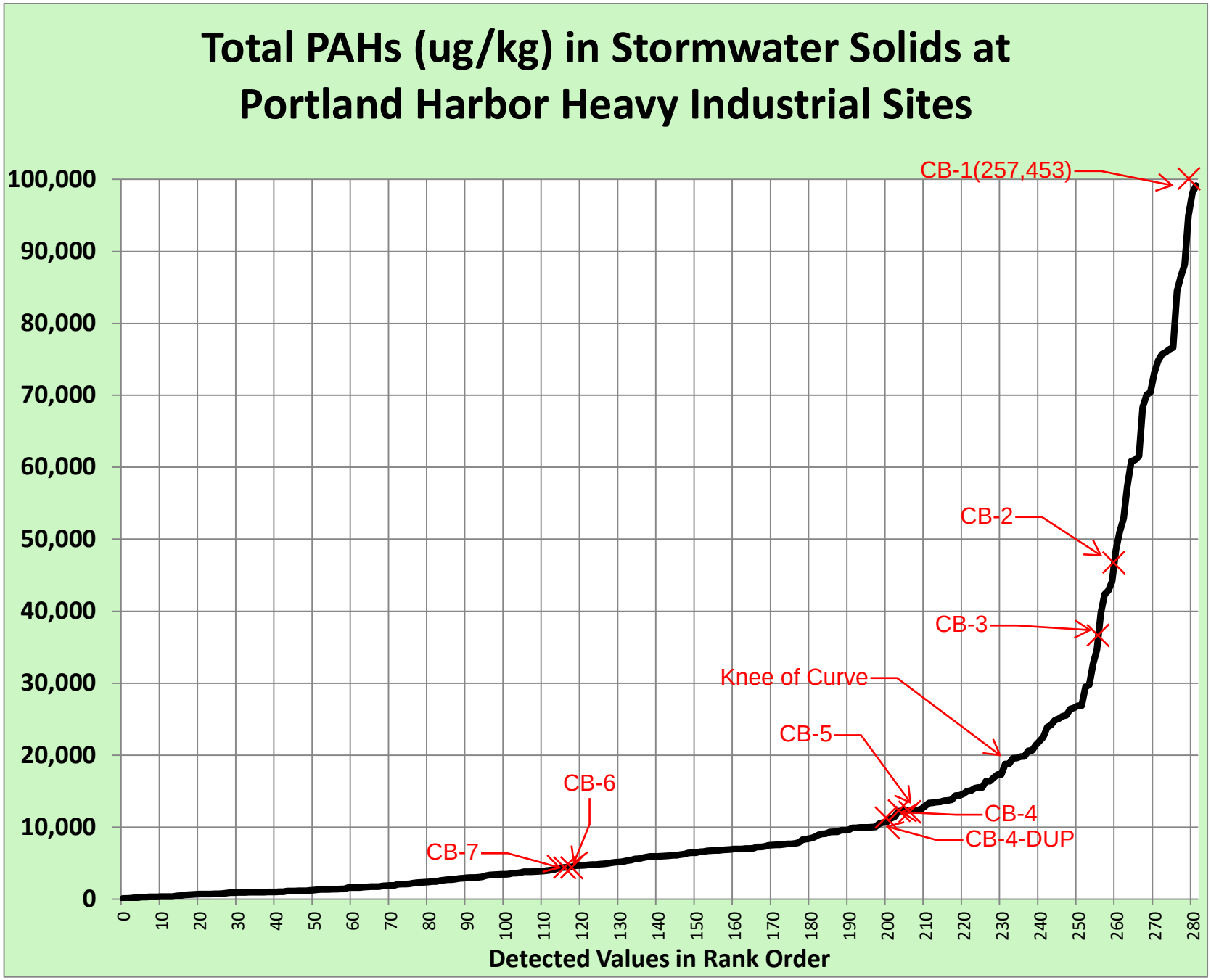
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
CB-1 (A0L0698-01)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**32.9**	---	1.00	%	1	12/31/20 07:21	EPA 8000D	
CB-2 (A0L0698-02)				**Matrix: Solid**		**Batch: 0120974**		
% Solids	**72.0**	---	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	

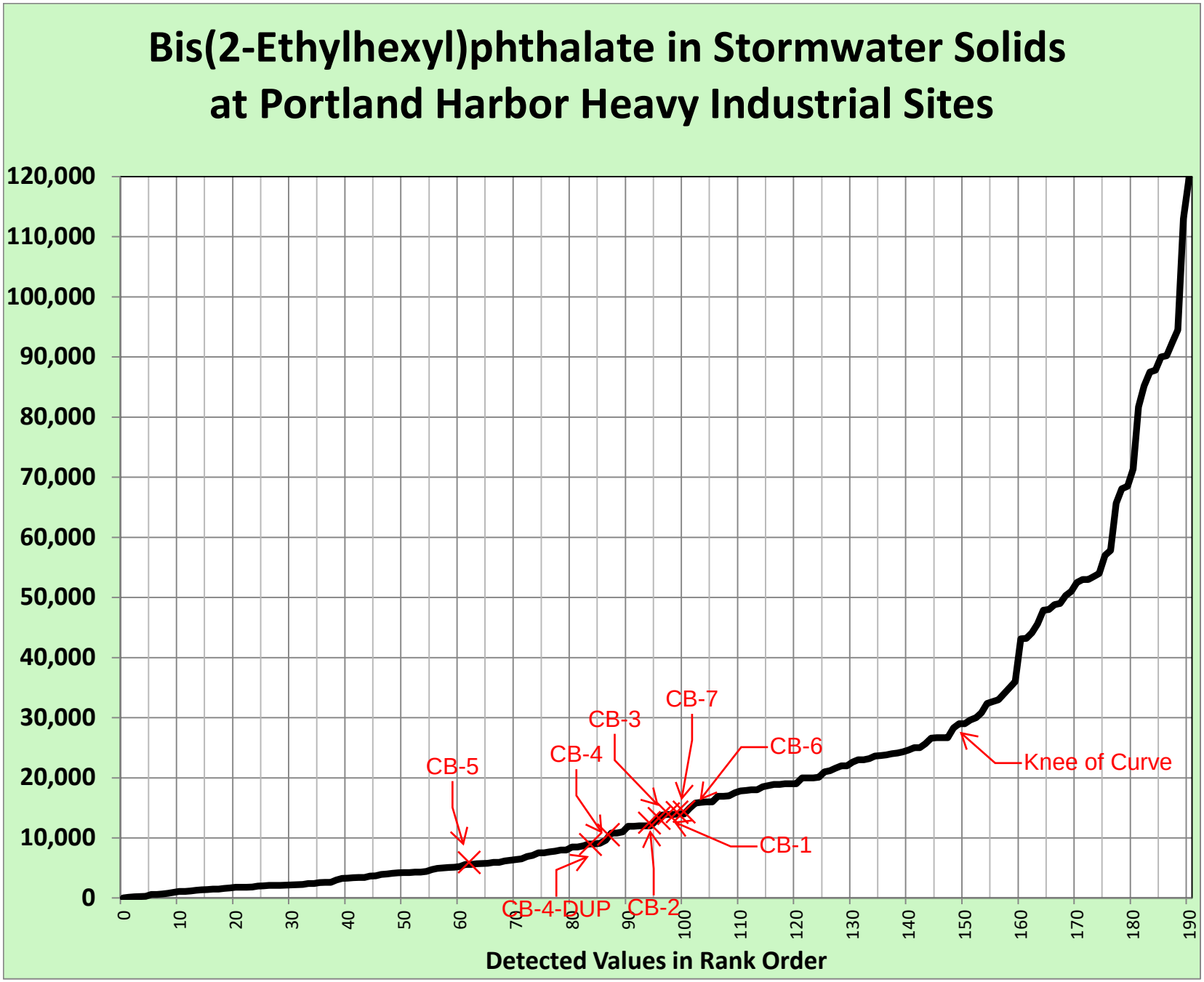
DRAFT REPORT

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.

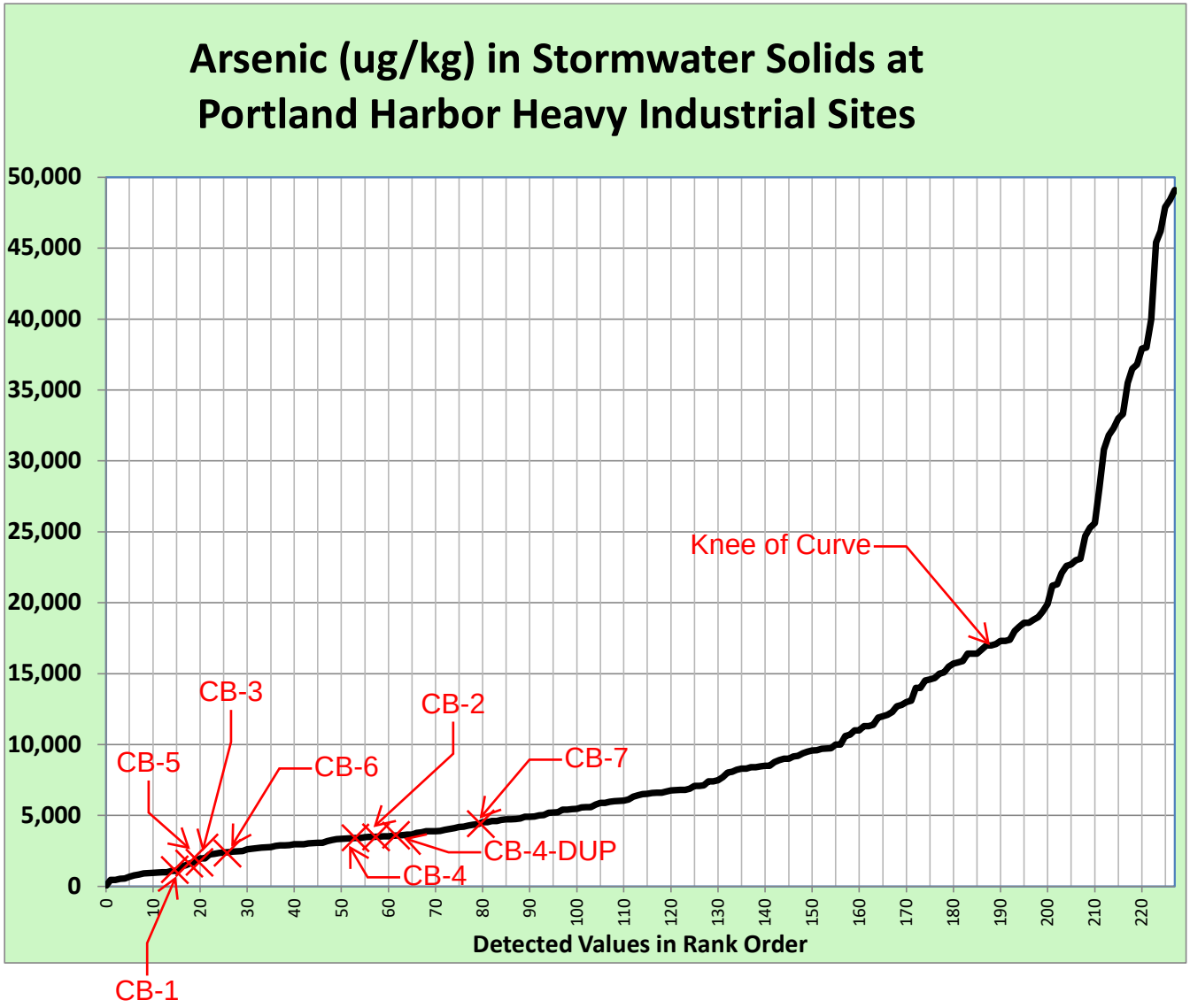
APPENDIX B

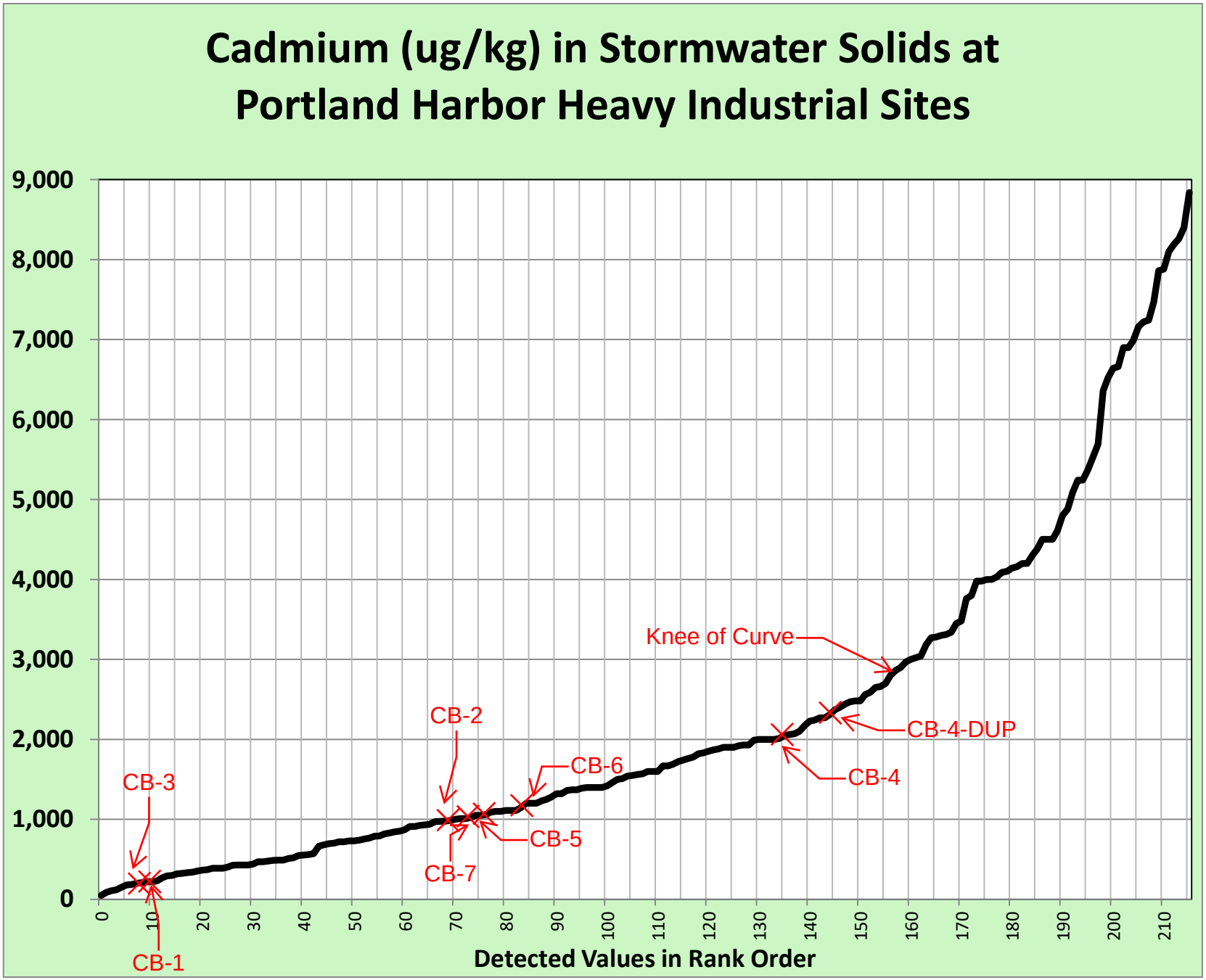

Total PCBs (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
1,300
1,200
1,100
1,000
900
800
700
600
500
400
300
200
100
0
144 ft
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
Detected Values in Rank Order
CB-5 (1,769)
Knee of Curve
CB-4
CB-6
CB-4-DUP
CB-3
CB-1
CB-2
CB-7

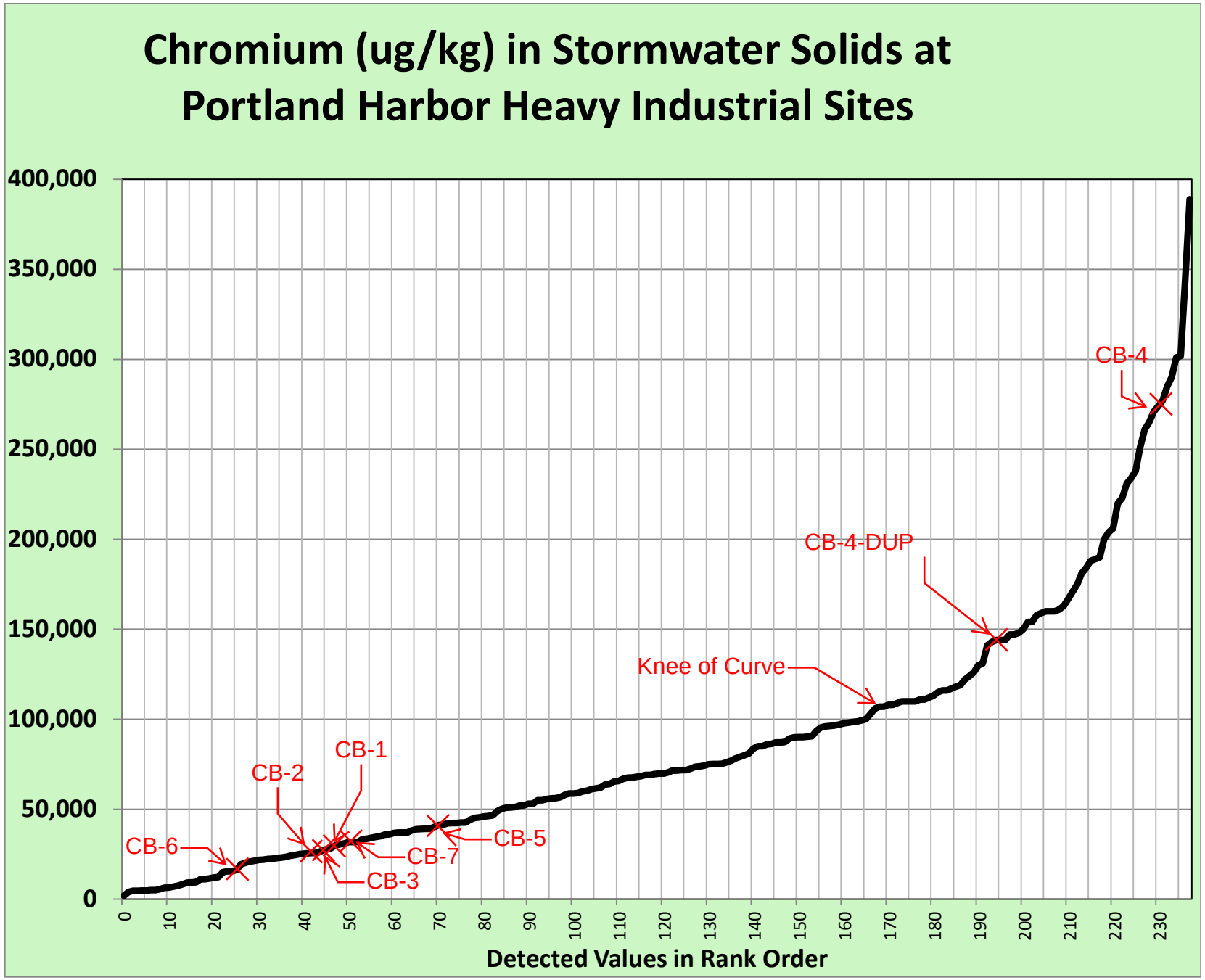

Total PAHs (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
Detected Values in Rank Order
CB-1(257,453)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

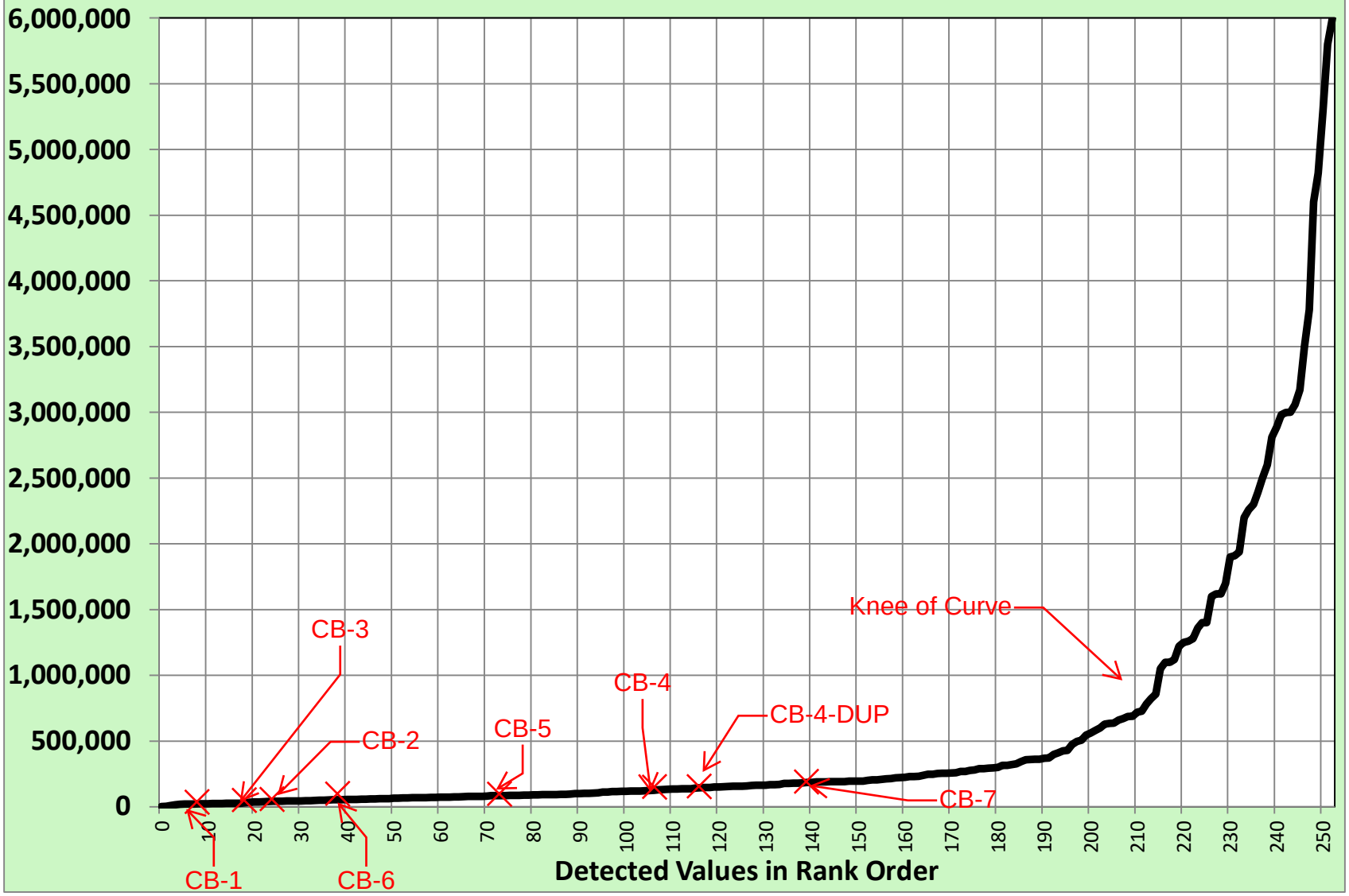
State of Oregon Department of Environmental Quality

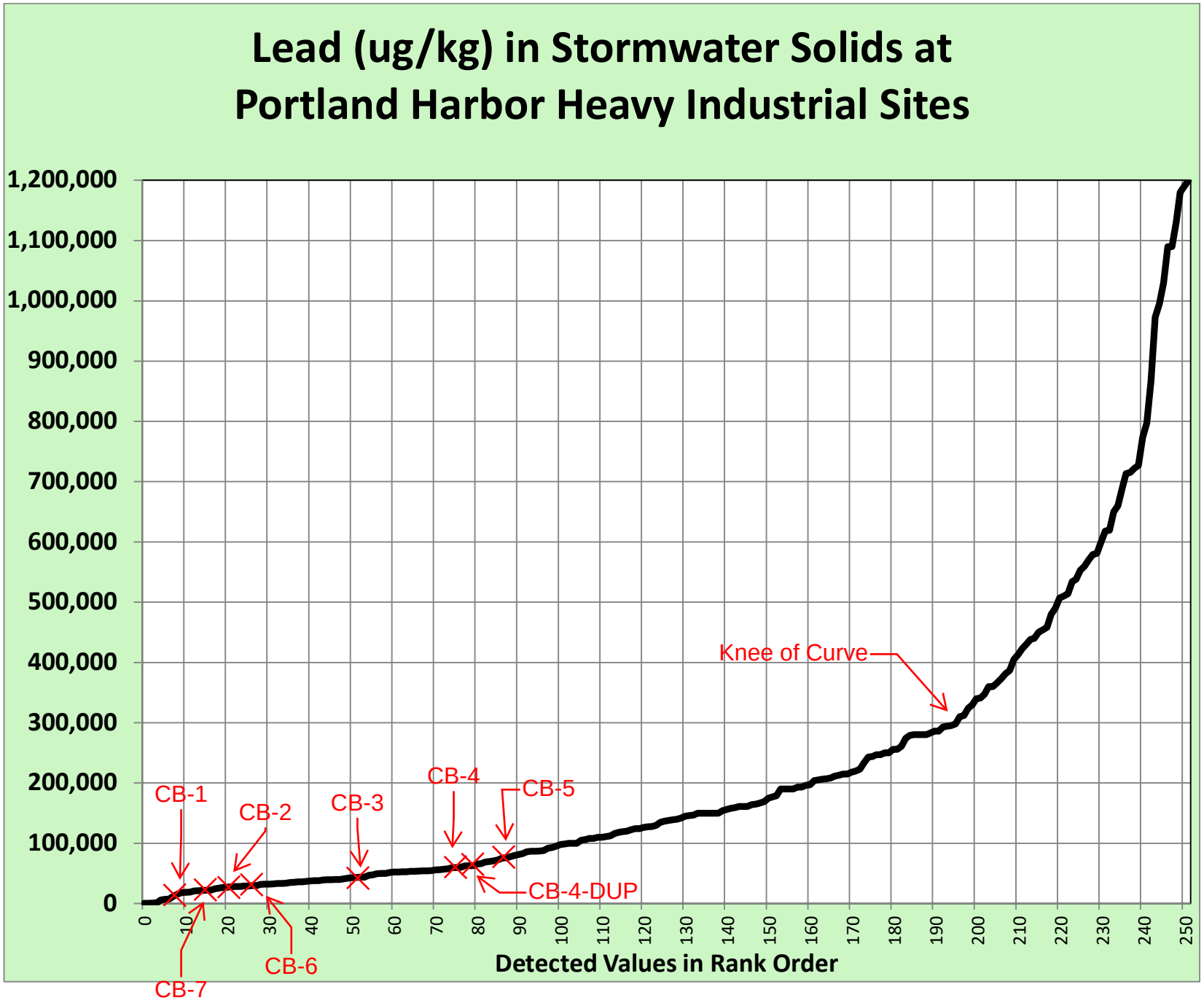


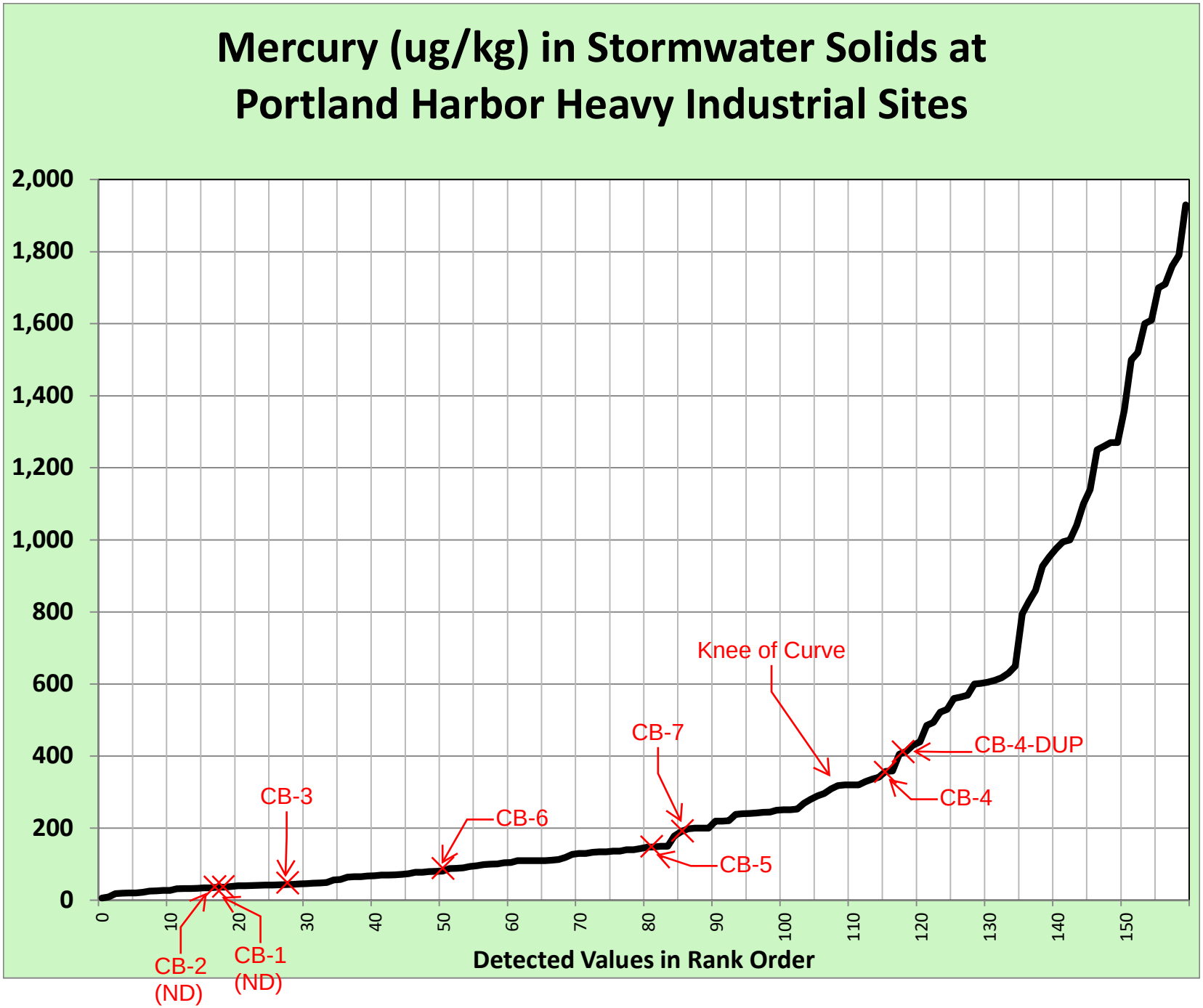

Cadmium (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
Detected Values in Rank Order
Knee of Curve
CB-2
CB-3
CB-6
CB-4-DUP
CB-4
CB-5
CB-7
CB-1


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

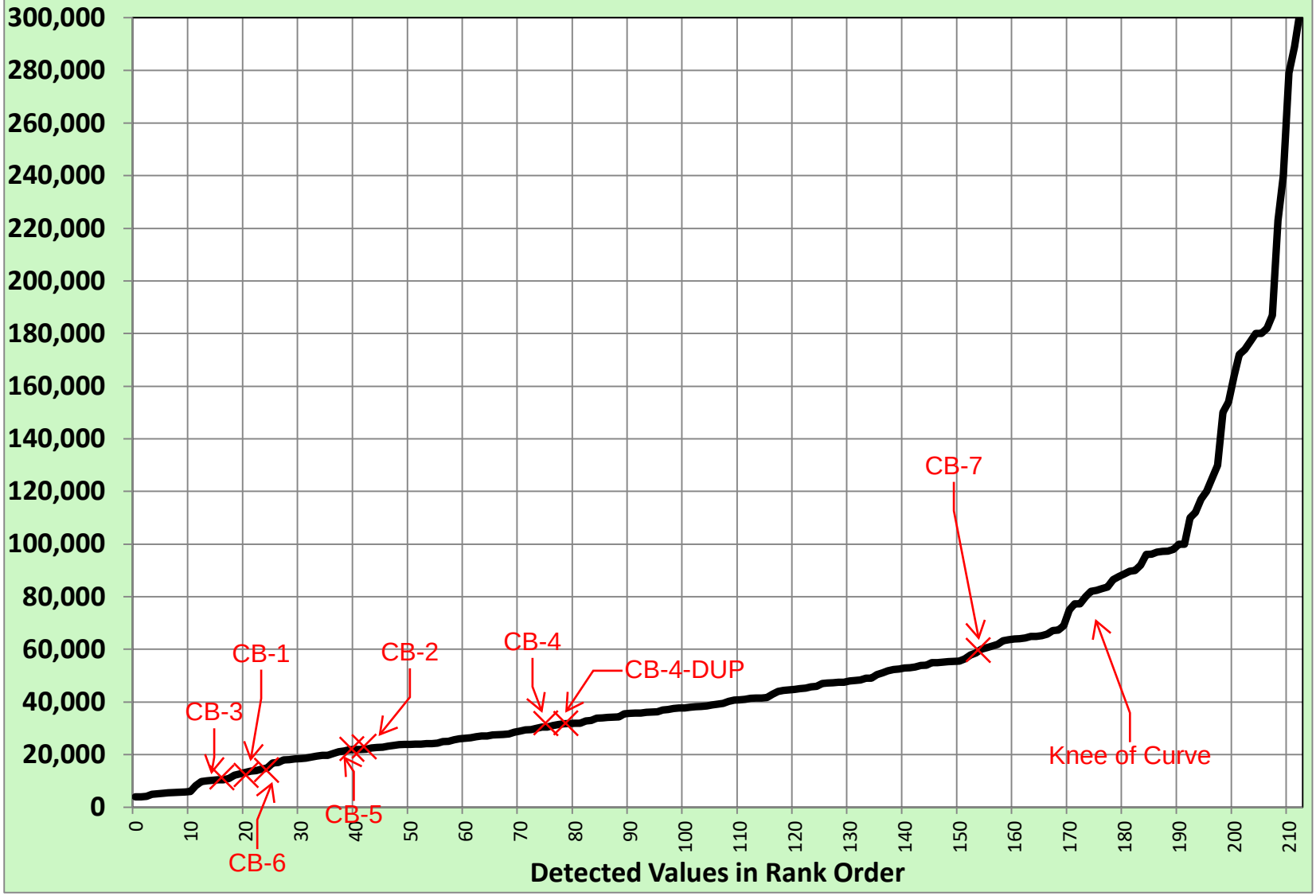
Copper (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites

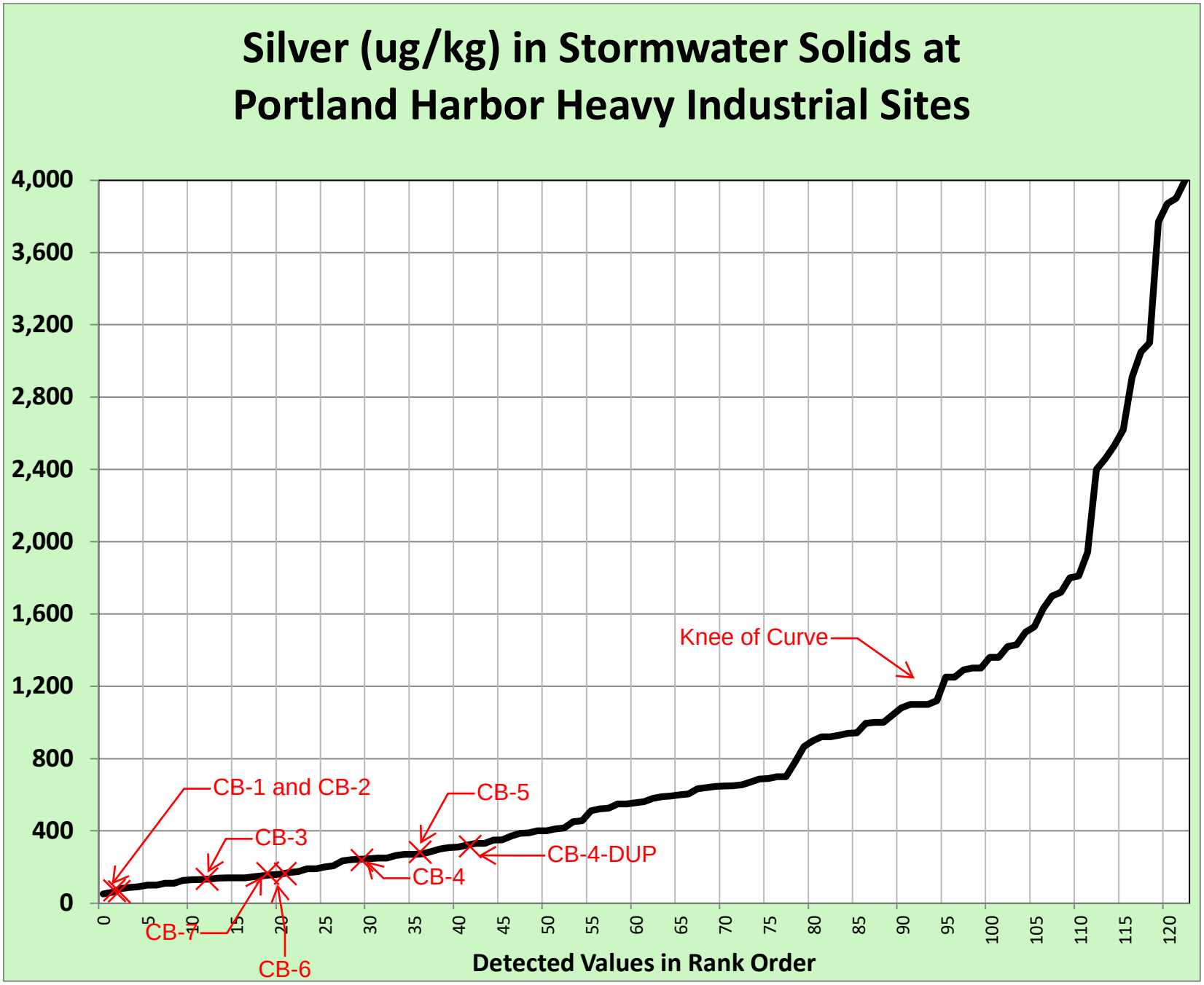


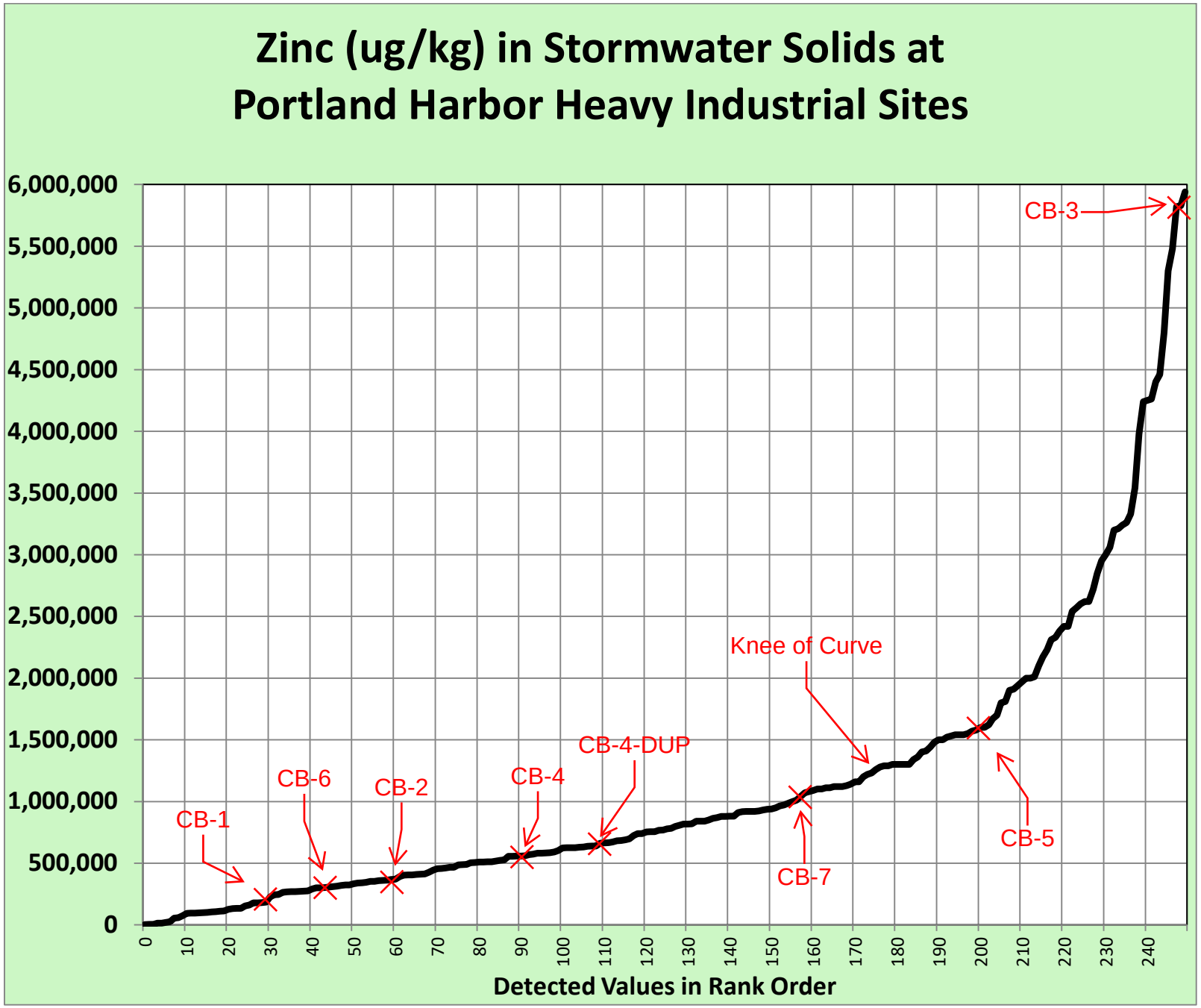

Lead (ug/kg) in Stormwater Solids at
Portland Harbor Heavy Industrial Sites
1,200,000
1,100,000
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
Detected Values in Rank Order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

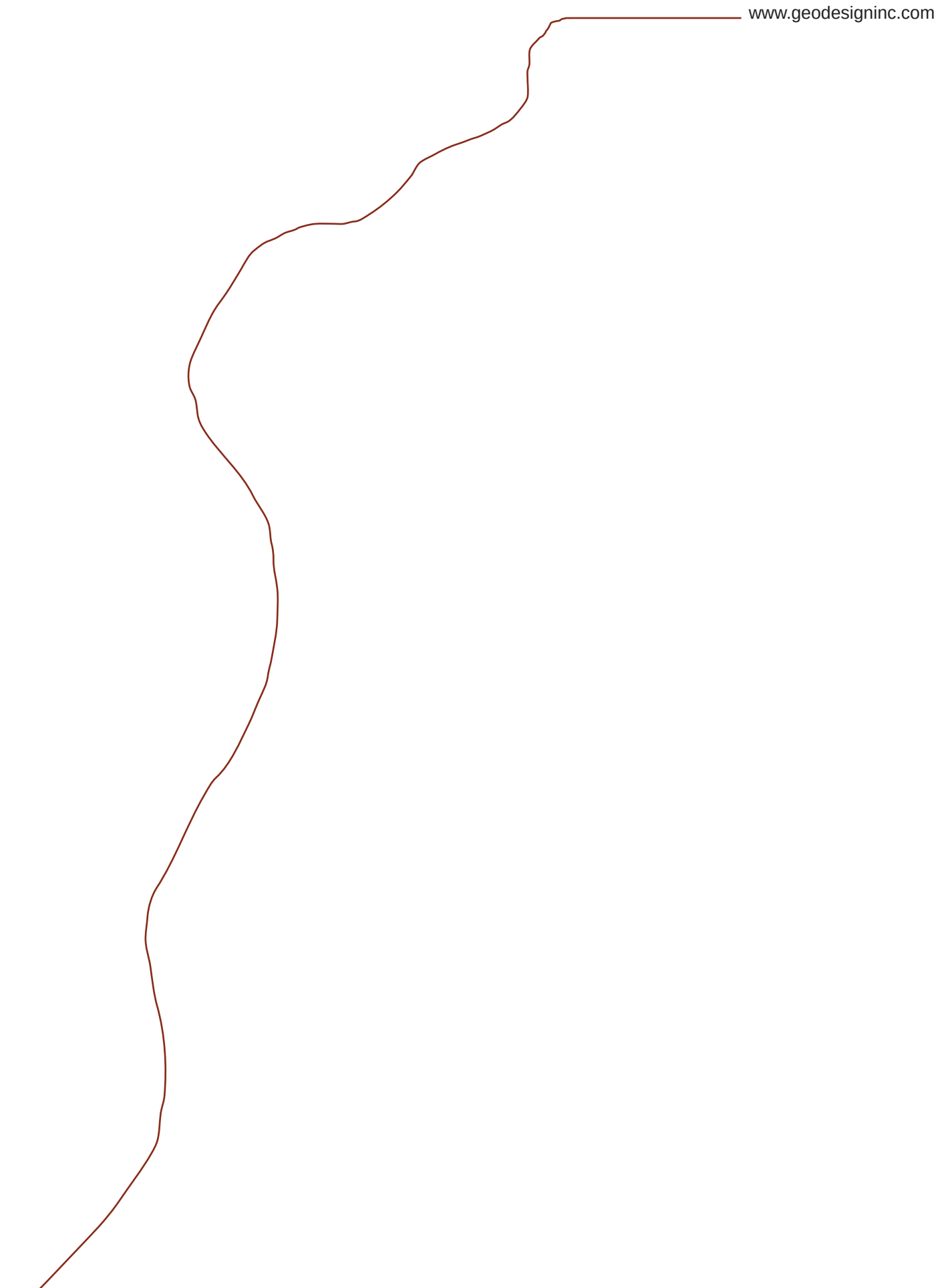

Mercury (ug/kg) in Stormwater Solids at Portland Harbor Heavy Industrial Sites
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
Detected Values in Rank Order
Knee of Curve
CB-7
CB-4-DUP
CB-4
CB-3
CB-6
CB-5
CB-2 (ND)
CB-1 (ND)

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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