APEX

DRAFT

July 10, 2024

Ms. Sarah Miller, Project Manager
Northwest Region Cleanup Program
Oregon Department of Environmental Quality
700 NE Multnomah Street #600
Portland, Oregon 97232

Re: 2024 Well Abandonment Activities Report
North Portland Road Site
10145 North Portland Road
Portland, Oregon
32-24006613

Dear Ms. Miller:

This letter was prepared by Apex Companies, LLC (Apex) on behalf of North Portland Road, LLC (NPR) to summarize and document actions taken by NPR in response to Notices of Violation (NOVs) issued in a letter from the City of Portland (City) dated February 21, 2019. These NOVs are in association with the property located at 10145 North Portland Road in Portland, Oregon (Site; Figure 1). Specifically, this letter describes the abandonment of eight monitoring wells at the Site.

SITE DESCRIPTION

The Site is located at 10145 North Portland Road in Portland, Oregon (Figure 1), approximately 600 feet south of the Columbia Slough and 1.25 miles south of the Columbia River (Figure 2). The Site (formerly referred to as the Larsen South site) is currently owned and operated by NPR. The Site is comprised of two parcels: Parcel R314678R31 is 14.69 acres and Parcel R314595 is 0.55 acres, totaling 15.24 acres. Site operations include truck and trailer staging and maintenance.

MONITORING WELL DECOMMISSIONING & SOIL SAMPLING

As of May 2024, 15 monitoring wells remained at the Site. Eight of the remaining wells were abandoned by over drilling in May 2024. These included the following wells: AP-6S, MW-8S, AP-6D-50, AP-6D-60, AP-6D-70, AP-8D, AP-8S, and MW-8D. Steadfast Services, Inc. (STS) performed the over drilling between May 13 and May 16, 2024, in accordance with State of Oregon requirements (as specified in Oregon Administrative Rules [OAR] 690-220-0060) and Oregon Department of Environmental Quality (DEQ) guidance from *Groundwater Monitoring Well Drilling, Construction, and Decommissioning* (DEQ, 1992). The eight wells were located within the former chlorinated solvent source area. Contaminants of concern (COCs) associated with the historic environmental cleanups at the Site involve chlorinated solvent-related chemicals including tetrachloroethene (PCE), trichloroethene (TCE), and associated degradation byproducts cis-1,2-dichloroethene (cis-DCE) and vinyl chloride (VC). PCE, TCE, cis-DCE, and VC are listed hazardous compounds. Therefore, the investigation-derived waste (IDW) from the well abandonment activities was assumed to contain listed hazardous waste. IDW generated form the well abandonment activities was staged in a lined and covered stockpile with approximate dimensions of 6 feet by 12 feet by 1 foot.

Soil cuttings were field screened during decommissioning activities using a photoionization detector (PID). Soil field screening during well decommissioning was negative. One soil sample (IDW-1) was collected from the soil stockpile on May 14, 2024, and analyzed for volatile organic compounds (VOCs). VOCs were not detected except for chlorobenzene at a concentration of 49.1 micrograms per kilogram (µg/kg). To confirm VOCs were not present, the soil stockpile was accessed and field screening was completed throughout the entire pile on June 5, 2024. Two additional samples were collected at this time and tested for VOCs. No analytes were detected except for chlorobenzene in sample IDW-2 at a concentration of 41.1 µg/kg. These results are summarized in Table 1.

SOIL DISPOSAL

Results of the IDW sampling are summarized on Table 1. VOCs were largely undetected in the three samples of IDW with the exception of trace concentrations of chlorobenzene. The maximum detected concentration of chlorobenzene, 0.0491 milligrams per kilogram (mg/kg), is well below the most restrictive Oregon risk-based concentration (residential leaching to groundwater – 5.6 mg/kg). Halogenated VOCs (PCE, TCE, and breakdown products) were not detected. The soil stockpile therefore does not contain listed compounds or exhibit characteristics of a leachable hazardous waste. These soils (approximately 3 cubic yards) are acceptable for on-site re-use and will be incorporated into the on-site clean soil stockpile.

CLOSING

To date, 14 wells have been decommissioned including the eight decommissioned in May 2024 (AP-6S, MW-8S, AP-6D-50, AP-6D-60, AP-6D-70, AP-8D, AP-8S, and MW-8D) and six decommissioned previously (MW-1, MW-2, MW-3, MW-6S, MW-9D, and MW-9I). Seven wells remain (MW-7D, MW-7S, MW-4D, MW-4S, AP-4D, AP-4S, and MW-5). The seven remaining monitoring wells will be decommissioned in Quarter 1 2025.

Please contact us at (503) 924-4704 if you have any questions or require additional information.

Sincerely,

DRAFT

_____

John Foxwell, R.G.
Principal

REFERENCES

Ash Creek Associates, Inc., 2011. *Site Management Plan, North Portland Road, LLC, 10145 North Portland Road, Portland, Oregon.* May 4, 2011.

Oregon Department of Environmental Quality (DEQ), 1992. *Groundwater Monitoring Well Drilling, Construction, and Decommissioning.* August 24, 1992.

DEQ, 2018. *Risk-Based Decision Making for the Remediation of Contaminated Sites.* May 2018.

ATTACHMENTS

Table 1	Soil IDW Analytical Results: VOCs
Figure 1	Site Location Map
Figure 2	Monitoring Well Plan
Attachment A	Analytical Laboratory Reports

Table 1 - Soil IDW Analytical Results: VOCs
10145 North Portland Road
Portland, OR

Sample Identification	IDW-1	IDW-2	IDW-3
Date	5/14/2024	6/5/2024	6/5/2024
Volatile Organic Compounds (VOCs) by EPA Method 8260D	µg/kg	µg/kg	µg/kg
Acetone	<1720	<1490	<1630
Acrylonitrile	<172	<149	<163
Benzene	<17.2	<14.9	<16.3
Bromobenzene	<43.1	<37.3	<40.7
Bromochloromethane	<86.2	<74.7	<81.4
Bromodichloromethane	<86.2	<74.7	<81.4
Bromoform	<172	<149	<163
Bromomethane	<862	<747	<814
2-Butanone (MEK)	<862	<747	<814
n-Butylbenzene	<86.2	<74.7	<81.4
sec-Butylbenzene	<86.2	<74.7	<81.4
tert-Butylbenzene	<86.2	<74.7	<81.4
Carbon disulfide	<862	<747	<814
Carbon tetrachloride	<86.2	<74.7	<81.4
Chlorobenzene	**49.1**	**41.1**	<40.7
Chloroethane	<862	<747	<814
Chloroform	<86.2	<74.7	<81.4
Chloromethane	<431	<373	<407
2-Chlorotoluene	<86.2	<74.7	<81.4
4-Chlorotoluene	<86.2	<74.7	<81.4
Dibromochloromethane	<172	<149	<163
1,2-Dibromo-3-chloropropane	<431	<373	<407
1,2-Dibromoethane (EDB)	<86.2	<74.7	<81.4
Dibromomethane	<86.2	<74.7	<81.4
1,2-Dichlorobenzene	<43.1	<37.3	<40.7
1,3-Dichlorobenzene	<43.1	<37.3	<40.7
1,4-Dichlorobenzene	<43.1	<37.3	<40.7
Dichlorodifluoromethane	<172	<149	<163
1,1-Dichloroethane	<43.1	<37.3	<40.7
1,2-Dichloroethane (EDC)	<43.1	<37.3	<40.7
1,1-Dichloroethene	<43.1	<37.3	<40.7
cis-1,2-Dichloroethene	<43.1	<37.3	<40.7
trans-1,2-Dichloroethene	<43.1	<37.3	<40.7
1,2-Dichloropropane	<43.1	<37.3	<40.7
1,3-Dichloropropane	<86.2	<74.7	<81.4
2,2-Dichloropropane	<86.2	<74.7	<81.4

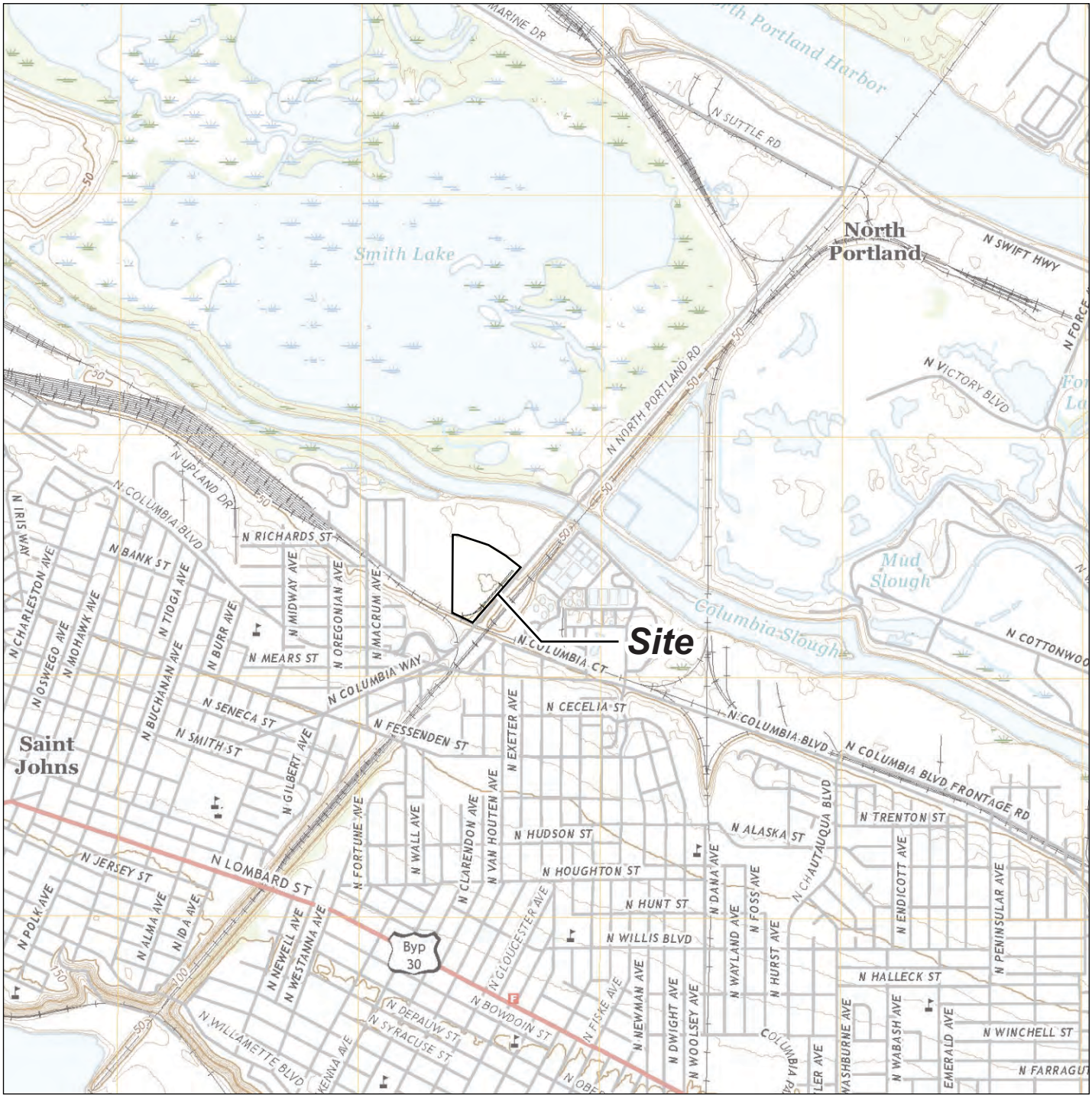
Please see notes at the end of the table.

Table 1 - Soil IDW Analytical Results: VOCs
10145 North Portland Road
Portland, OR

Sample Identification	IDW-1	IDW-2	IDW-3
Date	5/14/2024	6/5/2024	6/5/2024
Volatile Organic Compounds (VOCs) by EPA Method 8260D	µg/kg	µg/kg	µg/kg
1,1-Dichloropropene	<86.2	<74.7	<81.4
cis-1,3-Dichloropropene	<86.2	<74.7	<81.4
trans-1,3-Dichloropropene	<86.2	<74.7	<81.4
Ethylbenzene	<43.1	<37.3	<40.7
Hexachlorobutadiene	<172	<149	<163
2-Hexanone	<862	<747	<814
Isopropylbenzene	<86.2	<74.7	<81.4
4-Isopropyltoluene	<86.2	<74.7	<81.4
Methylene chloride	<862	<747	<814
4-Methyl-2-pentanone (MiBK)	<862	<747	<814
Methyl tert-butyl ether (MTBE)	<86.2	<74.7	<81.4
Naphthalene	<172	<149	<163
n-Propylbenzene	<43.1	<37.3	<40.7
Styrene	<86.2	<74.7	<81.4
1,1,1,2-Tetrachloroethane	<43.1	<37.3	<40.7
1,1,2,2-Tetrachloroethane	<86.2	<74.7	<81.4
Tetrachloroethene (PCE)	<43.1	<37.3	<40.7
Toluene	<86.2	<74.7	<81.4
1,2,3-Trichlorobenzene	<431	<373	<407
1,2,4-Trichlorobenzene	<431	<373	<407
1,1,1-Trichloroethane	<43.1	<37.3	<40.7
1,1,2-Trichloroethane	<43.1	<37.3	<40.7
Trichloroethene (TCE)	<43.1	<37.3	<40.7
Trichlorofluoromethane	<172	<149	<163
1,2,3-Trichloropropane	<86.2	<74.7	<81.4
1,2,4-Trimethylbenzene	<86.2	<74.7	<81.4
1,3,5-Trimethylbenzene	<86.2	<74.7	<81.4
Vinyl chloride	<43.1	<37.3	<40.7
m,p-Xylene	<86.2	<74.7	<81.4
o-Xylene	<43.1	<37.3	<40.7

Notes:

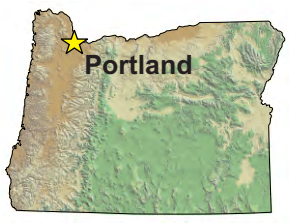
1. µg/kg = micrograms per kilogram



Note: Base map prepared from USGS 7.5-minute quadrangle of Portland, OR-WA, dated 2020 as provided by USGS.gov.

0 2,000 4,000

Approximate Scale in Feet



N

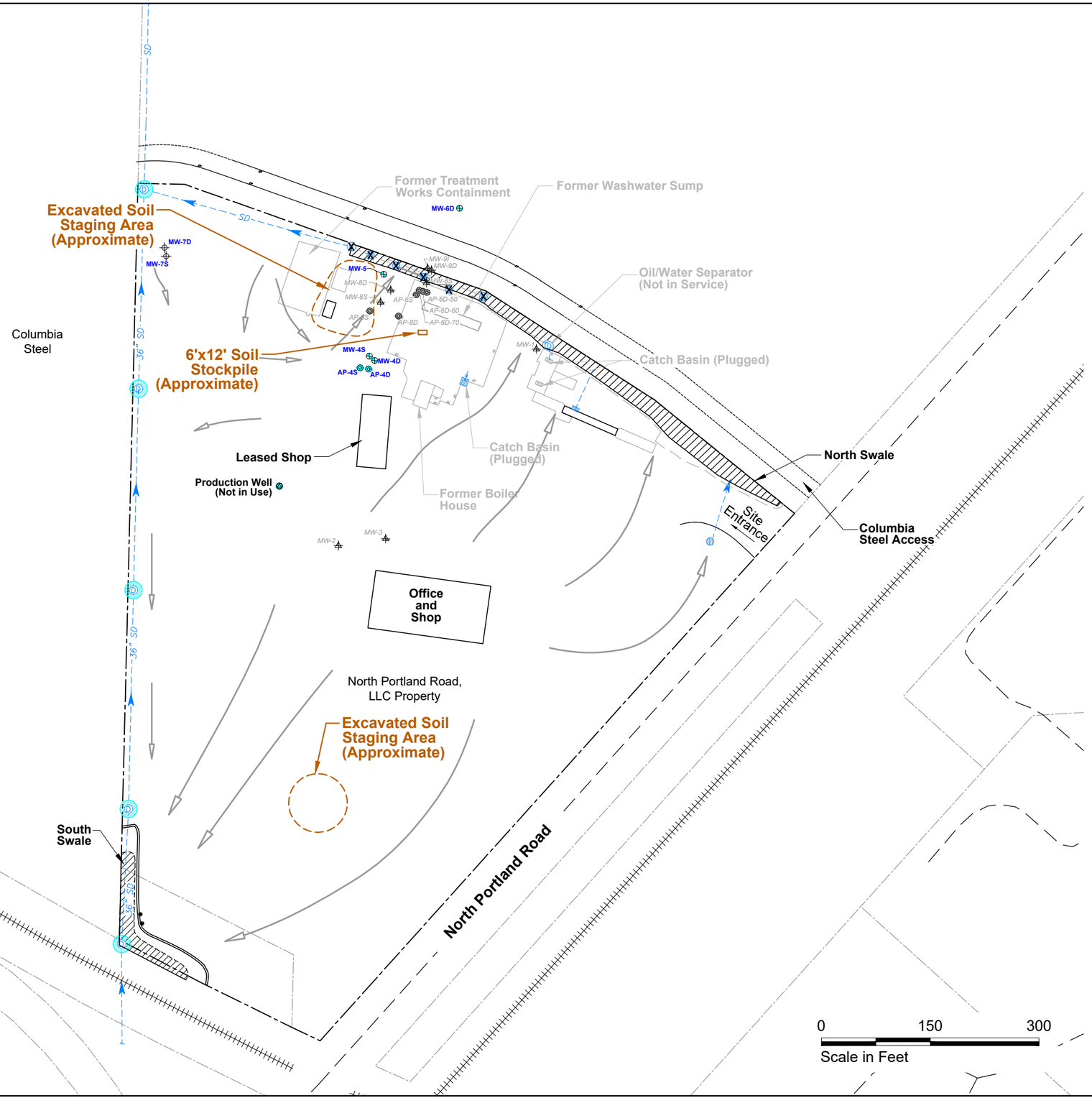
Site Location Map

10145 North Portland Road
North Portland Road, LLC
Portland, Oregon

Apex Companies, LLC 15618 SW 72nd Avenue Tigard, Oregon 97224	Project Number: 32-24006613	Drawn: JP	Approved: JF	Figure 1
	July 2024			

I:\Client\North Portland Road\2480-00 Figures\2024 Well Abandonment\320002480-01 01 (Site Location).des

DRAFT



Legend:

- MW-5 — Monitoring Well Location (Location Verified, 2019)
- MW-7S — Monitoring Well (Not Located, 2019)
- MW-1 — Abandoned Well Location
- AP-4S — Application Well Location
- AP-8S — Abandoned Application Well Location
- Production Well Location
- Railroad Line
- Street Centerline
- Tax Lot Line
- Proposed Swale Maintenance Area
- Manhole (Solid Top)
- Catch Basin
- Manhole/Catch Basin Removed
- Stormwater Line and Flow Direction
- Surface Water Flow

N

NOTES:

1) Base map from Ford & Associates (Eugene, Oregon) survey, former South Larsen Property, 10145 North Portland Road, 2/2/2007.

2) Stormwater locations from a Reppeto & Associates, Inc. topographic survey (W06011T), 6/5/2006. Revised 2019 by APEX. Modified manhole location based on site reconnaissance and survey property boundary.

Site Plan

10145 North Portland Road
North Portland Road, LLC
Portland, Oregon

Apex Companies, LLC
15618 SW 72nd Avenue
Tigard, Oregon 97224

Project Number:	Drawn:	Approved:	Figure
32-24006613	JP	JF	2

July 2024

I:\Client\North Portland Road\2480-00 Figures\2024 Well Abandonment\320002480-01 02 (Site Plan).dwg Modified 7/10/2024 by JPoore

Attachment A

Analytical Laboratory Reports

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

ANALYTICAL REPORT

Wednesday, June 5, 2024

John Foxwell
Apex Companies, LLC
15618 SW 72nd Ave
Tigard, OR 97224

RE: A4E1289 - North Portland Rd. - 24006613

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 A4E1289, which was received by the laboratory on 5/14/2024 at 6:15:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@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
Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.
(See Cooler Receipt Form for details)
Default Cooler 3.9 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

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IDW-1	**A4E1289-01**	**Soil**	**05/14/24 16:00**	**05/14/24 18:15**

Apex Laboratories

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-1 (A4E1289-01)				**Matrix: Soil**		**Batch: 24E0729**		
Acetone	ND	---	1720	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Acrylonitrile	ND	---	172	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Benzene	ND	---	17.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Bromobenzene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Bromochloromethane	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Bromodichloromethane	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Bromoform	ND	---	172	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Bromomethane	ND	---	862	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
2-Butanone (MEK)	ND	---	862	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
n-Butylbenzene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
sec-Butylbenzene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
tert-Butylbenzene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Carbon disulfide	ND	---	862	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Carbon tetrachloride	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Chlorobenzene	**49.1**	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Chloroethane	ND	---	862	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Chloroform	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Chloromethane	ND	---	431	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
2-Chlorotoluene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
4-Chlorotoluene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Dibromochloromethane	ND	---	172	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	431	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Dibromomethane	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2-Dichlorobenzene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,3-Dichlorobenzene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,4-Dichlorobenzene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Dichlorodifluoromethane	ND	---	172	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,1-Dichloroethane	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,1-Dichloroethene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-1 (A4E1289-01)				**Matrix: Soil**		**Batch: 24E0729**		
1,2-Dichloropropane	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,3-Dichloropropane	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
2,2-Dichloropropane	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,1-Dichloropropene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Ethylbenzene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Hexachlorobutadiene	ND	---	172	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
2-Hexanone	ND	---	862	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Isopropylbenzene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
4-Isopropyltoluene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Methylene chloride	ND	---	862	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	862	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Naphthalene	ND	---	172	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
n-Propylbenzene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Styrene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Toluene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	431	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	431	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,1,1-Trichloroethane	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,1,2-Trichloroethane	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Trichloroethene (TCE)	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Trichlorofluoromethane	ND	---	172	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2,3-Trichloropropane	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
Vinyl chloride	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
m,p-Xylene	ND	---	86.2	ug/kg dry	50	05/21/24 11:37	5035A/8260D	
o-Xylene	ND	---	43.1	ug/kg dry	50	05/21/24 11:37	5035A/8260D	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-1 (A4E1289-01)				**Matrix: Soil**		**Batch: 24E0729**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*99 %*	*Limits: 80-120 %*	*1*	*05/21/24 11:37*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*05/21/24 11:37*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*05/21/24 11:37*	*5035A/8260D*	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-1 (A4E1289-01)				**Matrix: Soil**		**Batch: 24E0599**		
% Solids	**70.2**	---	1.00	%	1	05/17/24 07:18	EPA 8000D	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0729 - EPA 5035A							Soil					
Blank (24E0729-BLK1)			Prepared: 05/21/24 08:00 Analyzed: 05/21/24 11:10									
5035A/8260D												
Acetone	ND	---	1000	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0729 - EPA 5035A							Soil					
Blank (24E0729-BLK1)			Prepared: 05/21/24 08:00 Analyzed: 05/21/24 11:10									
1,2-Dichloropropane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 99 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

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 24E0729 - EPA 5035A								**Soil**				
Blank (24E0729-BLK1)			Prepared: 05/21/24 08:00 Analyzed: 05/21/24 11:10									
Surr: Toluene-d8 (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*			*"*					
LCS (24E0729-BS1)			Prepared: 05/21/24 08:00 Analyzed: 05/21/24 10:15									
5035A/8260D												
Acetone	1940	---	1000	ug/kg wet	50	2000	---	97	80-120%	---	---	
Acrylonitrile	1060	---	100	ug/kg wet	50	1000	---	106	80-120%	---	---	
Benzene	1010	---	10.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Bromobenzene	986	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Bromochloromethane	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Bromodichloromethane	976	---	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Bromoform	906	---	100	ug/kg wet	50	1000	---	91	80-120%	---	---	
Bromomethane	1270	---	500	ug/kg wet	50	1000	---	**127**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	2020	---	500	ug/kg wet	50	2000	---	101	80-120%	---	---	
n-Butylbenzene	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
sec-Butylbenzene	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
tert-Butylbenzene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Carbon disulfide	982	---	500	ug/kg wet	50	1000	---	98	80-120%	---	---	
Carbon tetrachloride	1000	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Chlorobenzene	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Chloroethane	1050	---	500	ug/kg wet	50	1000	---	105	80-120%	---	---	
Chloroform	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Chloromethane	936	---	250	ug/kg wet	50	1000	---	94	80-120%	---	---	
2-Chlorotoluene	1020	---	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
4-Chlorotoluene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Dibromochloromethane	978	---	100	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,2-Dibromo-3-chloropropane	774	---	250	ug/kg wet	50	1000	---	**77**	**80-120%**	---	---	Q-55
1,2-Dibromoethane (EDB)	1080	---	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Dibromomethane	1000	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2-Dichlorobenzene	988	---	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,3-Dichlorobenzene	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,4-Dichlorobenzene	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Dichlorodifluoromethane	898	---	100	ug/kg wet	50	1000	---	90	80-120%	---	---	
1,1-Dichloroethane	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

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 24E0729 - EPA 5035A							**Soil**					
LCS (24E0729-BS1)			Prepared: 05/21/24 08:00		Analyzed: 05/21/24 10:15							
1,2-Dichloroethane (EDC)	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1-Dichloroethene	984	---	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
cis-1,2-Dichloroethene	1030	---	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
trans-1,2-Dichloroethene	1080	---	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,2-Dichloropropane	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,3-Dichloropropane	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
2,2-Dichloropropane	1270	---	50.0	ug/kg wet	50	1000	---	**127**	**80-120%**	---	---	Q-56
1,1-Dichloropropene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
cis-1,3-Dichloropropene	1110	---	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
trans-1,3-Dichloropropene	1150	---	50.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
Ethylbenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Hexachlorobutadiene	994	---	100	ug/kg wet	50	1000	---	99	80-120%	---	---	
2-Hexanone	1760	---	500	ug/kg wet	50	2000	---	88	80-120%	---	---	
Isopropylbenzene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
4-Isopropyltoluene	1070	---	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Methylene chloride	993	---	500	ug/kg wet	50	1000	---	99	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2020	---	500	ug/kg wet	50	2000	---	101	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Naphthalene	808	---	100	ug/kg wet	50	1000	---	81	80-120%	---	---	
n-Propylbenzene	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Styrene	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1010	---	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1,2,2-Tetrachloroethane	997	---	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Tetrachloroethene (PCE)	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Toluene	987	---	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,2,3-Trichlorobenzene	927	---	250	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2,4-Trichlorobenzene	916	---	250	ug/kg wet	50	1000	---	92	80-120%	---	---	
1,1,1-Trichloroethane	1030	---	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,1,2-Trichloroethane	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Trichloroethene (TCE)	968	---	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Trichlorofluoromethane	834	---	100	ug/kg wet	50	1000	---	83	80-120%	---	---	
1,2,3-Trichloropropane	984	---	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,2,4-Trimethylbenzene	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,3,5-Trimethylbenzene	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

APEX LABORATORIES

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

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 24E0729 - EPA 5035A							Soil					
LCS (24E0729-BS1)			Prepared: 05/21/24 08:00 Analyzed: 05/21/24 10:15									
Vinyl chloride	1060	---	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
m,p-Xylene	2160	---	50.0	ug/kg wet	50	2000	---	108	80-120%	---	---	
o-Xylene	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 97 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*103 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*95 %*		*79-120 %*			*"*				
Duplicate (24E0729-DUP1)			Prepared: 05/20/24 11:00 Analyzed: 05/21/24 17:03									
QC Source Sample: Non-SDG (A4E1409-01)												
Acetone	ND	---	16900	ug/kg dry	500	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	1690	ug/kg dry	500	---	ND	---	---	---	30%	
Benzene	ND	---	169	ug/kg dry	500	---	ND	---	---	---	30%	
Bromobenzene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Bromoform	ND	---	1690	ug/kg dry	500	---	ND	---	---	---	30%	
Bromomethane	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	
n-Butylbenzene	**16000**	---	846	ug/kg dry	500	---	15900	---	---	1	30%	M-02
sec-Butylbenzene	**8570**	---	846	ug/kg dry	500	---	8420	---	---	2	30%	
tert-Butylbenzene	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
Chloroethane	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	
Chloroform	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Chloromethane	ND	---	4230	ug/kg dry	500	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	1690	ug/kg dry	500	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	4230	ug/kg dry	500	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Dibromomethane	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0729 - EPA 5035A							Soil					
Duplicate (24E0729-DUP1)			Prepared: 05/20/24 11:00 Analyzed: 05/21/24 17:03									
QC Source Sample: Non-SDG (A4E1409-01)												
1,3-Dichlorobenzene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	1690	ug/kg dry	500	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Ethylbenzene	**9510**	---	423	ug/kg dry	500	---	9400	---	---	1	30%	
Hexachlorobutadiene	ND	---	1690	ug/kg dry	500	---	ND	---	---	---	30%	
2-Hexanone	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	
Isopropylbenzene	**5340**	---	846	ug/kg dry	500	---	5260	---	---	1	30%	
4-Isopropyltoluene	**6360**	---	846	ug/kg dry	500	---	6190	---	---	3	30%	
Methylene chloride	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
Naphthalene	**18600**	---	1690	ug/kg dry	500	---	19300	---	---	4	30%	
n-Propylbenzene	**15500**	---	423	ug/kg dry	500	---	15500	---	---	0.05	30%	
Styrene	ND	---	846	ug/kg dry	500	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	8460	ug/kg dry	500	---	ND	---	---	---	30%	R-02
Tetrachloroethene (PCE)	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
Toluene	**2790**	---	846	ug/kg dry	500	---	2770	---	---	0.9	30%	
1,2,3-Trichlorobenzene	ND	---	4230	ug/kg dry	500	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	4230	ug/kg dry	500	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	4230	ug/kg dry	500	---	ND	---	---	---	30%	R-02

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

APEX LABORATORIES

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

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 24E0729 - EPA 5035A							**Soil**					
Duplicate (24E0729-DUP1)			Prepared: 05/20/24 11:00 Analyzed: 05/21/24 17:03									
QC Source Sample: Non-SDG (A4E1409-01)												
Trichloroethene (TCE)	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	1690	ug/kg dry	500	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	4230	ug/kg dry	500	---	ND	---	---	---	30%	R-02
1,2,4-Trimethylbenzene	**76000**	---	846	ug/kg dry	500	---	75700	---	---	0.4	30%	
1,3,5-Trimethylbenzene	**22400**	---	846	ug/kg dry	500	---	22000	---	---	2	30%	
Vinyl chloride	ND	---	423	ug/kg dry	500	---	ND	---	---	---	30%	
m,p-Xylene	**35000**	---	846	ug/kg dry	500	---	35100	---	---	0.3	30%	
o-Xylene	**15200**	---	423	ug/kg dry	500	---	15300	---	---	0.5	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Duplicate (24E0729-DUP2)			Prepared: 05/21/24 13:22 Analyzed: 05/21/24 19:46									**V-15**
QC Source Sample: Non-SDG (A4E1428-02)												
Acetone	ND	---	1260	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	126	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	---	12.6	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	---	126	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	---	632	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	632	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	632	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	---	632	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	---	316	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0729 - EPA 5035A							Soil					
Duplicate (24E0729-DUP2)			Prepared: 05/21/24 13:22		Analyzed: 05/21/24 19:46							V-15
QC Source Sample: Non-SDG (A4E1428-02)												
4-Chlorotoluene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	126	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	316	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	126	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	126	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	---	632	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	---	632	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	632	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	126	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0729 - EPA 5035A							Soil					
Duplicate (24E0729-DUP2)			Prepared: 05/21/24 13:22		Analyzed: 05/21/24 19:46							V-15
QC Source Sample: Non-SDG (A4E1428-02)												
Tetrachloroethene (PCE)	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	316	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	316	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	126	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	63.2	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	---	31.6	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				
Matrix Spike (24E0729-MS1)			Prepared: 05/17/24 08:37		Analyzed: 05/21/24 15:14							
QC Source Sample: Non-SDG (A4E1390-03)												
5035A/8260D												
Acetone	3670	---	1780	ug/kg dry	50	3560	ND	103	36-164%	---	---	
Acrylonitrile	1970	---	178	ug/kg dry	50	1780	ND	110	65-134%	---	---	
Benzene	1910	---	17.8	ug/kg dry	50	1780	ND	107	77-121%	---	---	
Bromobenzene	1840	---	44.5	ug/kg dry	50	1780	ND	103	78-121%	---	---	
Bromochloromethane	2130	---	89.0	ug/kg dry	50	1780	ND	120	78-125%	---	---	
Bromodichloromethane	1860	---	89.0	ug/kg dry	50	1780	ND	105	75-127%	---	---	
Bromoform	1720	---	178	ug/kg dry	50	1780	ND	96	67-132%	---	---	
Bromomethane	2750	---	890	ug/kg dry	50	1780	ND	**154**	**53-143%**	---	---	Q-54
2-Butanone (MEK)	3790	---	890	ug/kg dry	50	3560	ND	107	51-148%	---	---	
n-Butylbenzene	2080	---	89.0	ug/kg dry	50	1780	ND	117	70-128%	---	---	
sec-Butylbenzene	2040	---	89.0	ug/kg dry	50	1780	ND	115	73-126%	---	---	
tert-Butylbenzene	1930	---	89.0	ug/kg dry	50	1780	ND	108	73-125%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0729 - EPA 5035A							Soil					
Matrix Spike (24E0729-MS1)			Prepared: 05/17/24 08:37		Analyzed: 05/21/24 15:14							
QC Source Sample: Non-SDG (A4E1390-03)												
Carbon disulfide	1990	---	890	ug/kg dry	50	1780	ND	112	63-132%	---	---	
Carbon tetrachloride	1920	---	89.0	ug/kg dry	50	1780	ND	108	70-135%	---	---	
Chlorobenzene	1930	---	44.5	ug/kg dry	50	1780	ND	109	79-120%	---	---	
Chloroethane	2270	---	890	ug/kg dry	50	1780	ND	127	59-139%	---	---	
Chloroform	1930	---	89.0	ug/kg dry	50	1780	ND	109	78-123%	---	---	
Chloromethane	2040	---	445	ug/kg dry	50	1780	ND	115	50-136%	---	---	
2-Chlorotoluene	1940	---	89.0	ug/kg dry	50	1780	ND	109	75-122%	---	---	
4-Chlorotoluene	1960	---	89.0	ug/kg dry	50	1780	ND	110	72-124%	---	---	
Dibromochloromethane	1820	---	178	ug/kg dry	50	1780	ND	102	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1450	---	445	ug/kg dry	50	1780	ND	81	61-132%	---	---	Q-54a
1,2-Dibromoethane (EDB)	1930	---	89.0	ug/kg dry	50	1780	ND	108	78-122%	---	---	
Dibromomethane	1920	---	89.0	ug/kg dry	50	1780	ND	108	78-125%	---	---	
1,2-Dichlorobenzene	1790	---	44.5	ug/kg dry	50	1780	ND	100	78-121%	---	---	
1,3-Dichlorobenzene	1930	---	44.5	ug/kg dry	50	1780	ND	108	77-121%	---	---	
1,4-Dichlorobenzene	1880	---	44.5	ug/kg dry	50	1780	ND	106	75-120%	---	---	
Dichlorodifluoromethane	2140	---	178	ug/kg dry	50	1780	ND	120	29-149%	---	---	
1,1-Dichloroethane	2010	---	44.5	ug/kg dry	50	1780	ND	113	76-125%	---	---	
1,2-Dichloroethane (EDC)	1990	---	44.5	ug/kg dry	50	1780	ND	112	73-128%	---	---	
1,1-Dichloroethene	2090	---	44.5	ug/kg dry	50	1780	ND	117	70-131%	---	---	
cis-1,2-Dichloroethene	1930	---	44.5	ug/kg dry	50	1780	ND	109	77-123%	---	---	
trans-1,2-Dichloroethene	2050	---	44.5	ug/kg dry	50	1780	ND	115	74-125%	---	---	
1,2-Dichloropropane	1910	---	44.5	ug/kg dry	50	1780	ND	107	76-123%	---	---	
1,3-Dichloropropane	1910	---	89.0	ug/kg dry	50	1780	ND	108	77-121%	---	---	
2,2-Dichloropropane	2280	---	89.0	ug/kg dry	50	1780	ND	128	67-133%	---	---	Q-54
1,1-Dichloropropene	1950	---	89.0	ug/kg dry	50	1780	ND	110	76-125%	---	---	
cis-1,3-Dichloropropene	1950	---	89.0	ug/kg dry	50	1780	ND	110	74-126%	---	---	
trans-1,3-Dichloropropene	2060	---	89.0	ug/kg dry	50	1780	ND	116	71-130%	---	---	
Ethylbenzene	1960	---	44.5	ug/kg dry	50	1780	ND	110	76-122%	---	---	
Hexachlorobutadiene	1780	---	178	ug/kg dry	50	1780	ND	100	61-135%	---	---	
2-Hexanone	3170	---	890	ug/kg dry	50	3560	ND	89	53-145%	---	---	
Isopropylbenzene	1960	---	89.0	ug/kg dry	50	1780	ND	110	68-134%	---	---	
4-Isopropyltoluene	2020	---	89.0	ug/kg dry	50	1780	ND	114	73-127%	---	---	
Methylene chloride	1900	---	890	ug/kg dry	50	1780	ND	107	70-128%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0729 - EPA 5035A							Soil					
Matrix Spike (24E0729-MS1)			Prepared: 05/17/24 08:37 Analyzed: 05/21/24 15:14									
QC Source Sample: Non-SDG (A4E1390-03)												
4-Methyl-2-pentanone (MiBK)	3730	---	890	ug/kg dry	50	3560	ND	105	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1850	---	89.0	ug/kg dry	50	1780	ND	104	73-125%	---	---	
Naphthalene	1390	---	178	ug/kg dry	50	1780	ND	78	62-129%	---	---	
n-Propylbenzene	2060	---	44.5	ug/kg dry	50	1780	ND	115	73-125%	---	---	
Styrene	1990	---	89.0	ug/kg dry	50	1780	ND	112	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1900	---	44.5	ug/kg dry	50	1780	ND	107	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1880	---	89.0	ug/kg dry	50	1780	ND	106	70-124%	---	---	
Tetrachloroethene (PCE)	1950	---	44.5	ug/kg dry	50	1780	ND	109	73-128%	---	---	
Toluene	1810	---	89.0	ug/kg dry	50	1780	ND	102	77-121%	---	---	
1,2,3-Trichlorobenzene	1600	---	445	ug/kg dry	50	1780	ND	90	66-130%	---	---	
1,2,4-Trichlorobenzene	1600	---	445	ug/kg dry	50	1780	ND	90	67-129%	---	---	
1,1,1-Trichloroethane	1970	---	44.5	ug/kg dry	50	1780	ND	110	73-130%	---	---	
1,1,2-Trichloroethane	1910	---	44.5	ug/kg dry	50	1780	ND	107	78-121%	---	---	
Trichloroethene (TCE)	1820	---	44.5	ug/kg dry	50	1780	ND	102	77-123%	---	---	
Trichlorofluoromethane	3980	---	178	ug/kg dry	50	1780	ND	**223**	**62-140%**	---	---	Q-01
1,2,3-Trichloropropane	1810	---	89.0	ug/kg dry	50	1780	ND	102	73-125%	---	---	
1,2,4-Trimethylbenzene	1970	---	89.0	ug/kg dry	50	1780	ND	111	75-123%	---	---	
1,3,5-Trimethylbenzene	2070	---	89.0	ug/kg dry	50	1780	ND	116	73-124%	---	---	
Vinyl chloride	2310	---	44.5	ug/kg dry	50	1780	ND	130	56-135%	---	---	
m,p-Xylene	4080	---	89.0	ug/kg dry	50	3560	ND	115	77-124%	---	---	
o-Xylene	1870	---	44.5	ug/kg dry	50	1780	ND	105	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*95 %*		*79-120 %*			*"*				

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0599 - Total Solids (Dry Weight) - 2022							Soil					
Duplicate (24E0599-DUP1)			Prepared: 05/16/24 09:26		Analyzed: 05/17/24 07:18							H-08
QC Source Sample: Non-SDG (A3L1297-01)												
% Solids	**83.9**	---	1.00	%	1	---	84.3	---	---	0.4	10%	
Duplicate (24E0599-DUP2)			Prepared: 05/16/24 09:26		Analyzed: 05/17/24 07:18							H-08
QC Source Sample: Non-SDG (A3L1297-02)												
% Solids	**83.3**	---	1.00	%	1	---	84.5	---	---	1	10%	
Duplicate (24E0599-DUP3)			Prepared: 05/16/24 09:26		Analyzed: 05/17/24 07:18							H-08
QC Source Sample: Non-SDG (A3L1297-03)												
% Solids	**84.7**	---	1.00	%	1	---	83.9	---	---	0.9	10%	
Duplicate (24E0599-DUP4)			Prepared: 05/16/24 09:26		Analyzed: 05/17/24 07:18							H-08
QC Source Sample: Non-SDG (A3L1297-04)												
% Solids	**84.2**	---	1.00	%	1	---	83.5	---	---	0.9	10%	
Duplicate (24E0599-DUP5)			Prepared: 05/16/24 09:26		Analyzed: 05/17/24 07:18							H-08
QC Source Sample: Non-SDG (A3L1297-05)												
% Solids	**85.5**	---	1.00	%	1	---	84.6	---	---	1	10%	
Duplicate (24E0599-DUP6)			Prepared: 05/16/24 09:26		Analyzed: 05/17/24 07:18							H-08
QC Source Sample: Non-SDG (A3L1297-06)												
% Solids	**57.5**	---	1.00	%	1	---	58.2	---	---	1	10%	
Duplicate (24E0599-DUP7)			Prepared: 05/16/24 09:26		Analyzed: 05/17/24 07:18							H-08
QC Source Sample: Non-SDG (A3L1297-07)												
% Solids	**66.6**	---	1.00	%	1	---	67.0	---	---	0.5	10%	
Duplicate (24E0599-DUP8)			Prepared: 05/16/24 18:55		Analyzed: 05/17/24 07:18							
QC Source Sample: Non-SDG (A4E1313-01)												
% Solids	**90.1**	---	1.00	%	1	---	89.2	---	---	1	10%	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4E1289 - 06 05 24 1633

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 24E0599 - Total Solids (Dry Weight) - 2022								Soil				
Duplicate (24E0599-DUP9)				Prepared: 05/16/24 18:55		Analyzed: 05/17/24 07:18						
QC Source Sample: Non-SDG (A4E1339-01)												
% Solids	**78.1**	---	1.00	%	1	---	78.0	---	---	0.1	10%	
Duplicate (24E0599-DUPA)				Prepared: 05/16/24 18:55		Analyzed: 05/17/24 07:18						
QC Source Sample: Non-SDG (A4E1342-01)												
% Solids	**67.6**	---	1.00	%	1	---	67.6	---	---	0.04	10%	

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

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

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
Batch: 24E0729							
A4E1289-01	Soil	5035A/8260D	05/14/24 16:00	05/14/24 16:00	5.472g/5mL	5g/5mL	0.91

Percent Dry Weight

Prep: Total Solids (Dry Weight) - 2022

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24E0599							
A4E1289-01	Soil	EPA 8000D	05/14/24 16:00	05/16/24 09:26			NA

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. 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**

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

QUALIFIER DEFINITIONS

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

Apex Laboratories

H-08	Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the method hold time.
M-02	Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +7%. 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 -3%. 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.
V-15	Sample aliquot was subsampled from the sample container in the laboratory. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.

Apex Laboratories

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

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

NR Result Not Reported

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

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

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

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

Results for Volatiles analyses on soils and sediments that are reported on a “dry weight” basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an “As Received” basis do not have the WMS correction applied, as dry weight was not performed.

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).

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. 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**

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL).
Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.
-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.
-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, if results are not reported to the MDL.

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

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

Apex Laboratories

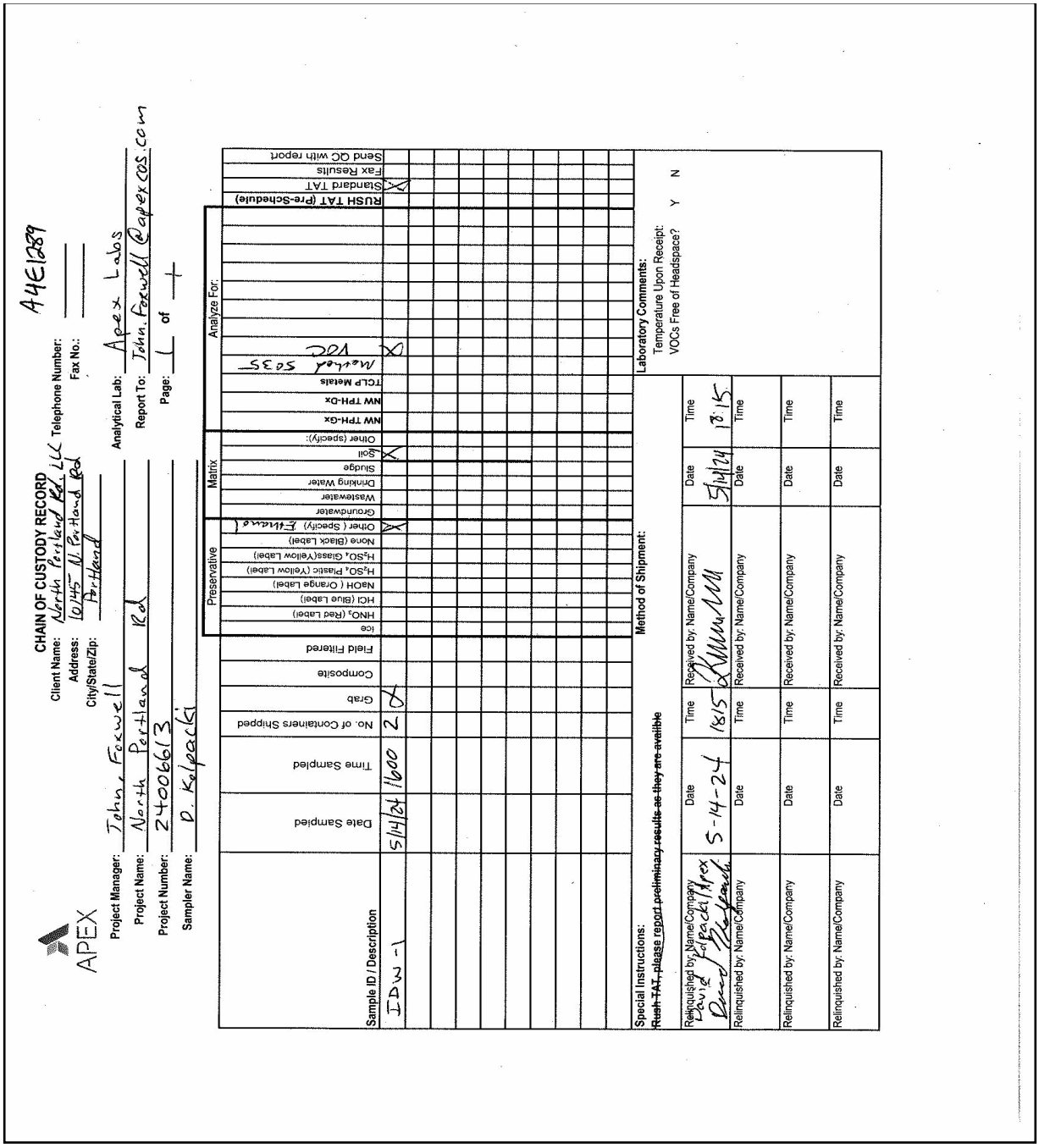
Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**



Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4E1289 - 06 05 24 1633**

APEX LABS COOLER RECEIPT FORM

Client: North Portland Rd. LLC Element WO#: A4E1289

Project/Project #: North Portland Rd. 24006613 ACCT for KRM 5/15/24

Delivery Info:

Date/time received: 5/14/24 @ 18:15 By: KRM

Delivered by: Apex__Client X ESS__FedEx__UPS__Radio__Morgan__SDS__Evergreen__Other__

From USDA Regulated Origin? Yes ____ No X

Cooler Inspection Date/time inspected: 5/14/24 @ 18:15 By: KRM

Chain of Custody included? Yes X No ____

Signed/dated by client? Yes X No ____

Contains USDA Reg. Soils? Yes ____ No X Unsure (email RegSoils) ____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	3.9						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	In						

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

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

Out of temperature samples form initiated? Yes (No)

Sample Inspection: Date/time inspected: 5/14/24 @ 19:06 By: KRM

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 pH ID:____

Comments: ____

Labeled by: KRM Witness: KRM Cooler Inspected by: KRM

Form Y-003 R-02

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Thursday, June 13, 2024

John Foxwell
Apex Companies, LLC
15618 SW 72nd Ave
Tigard, OR 97224

RE: A4F0907 - North Portland Rd. - 24006613

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 A4F0907, which was received by the laboratory on 6/5/2024 at 5:30:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@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
Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.
(See Cooler Receipt Form for details)
Default Cooler 2.4 degC

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

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IDW-2	A4F0907-01	Soil	06/05/24 13:45	06/05/24 17:30
IDW-3	A4F0907-02	Soil	06/05/24 13:50	06/05/24 17:30

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-2 (A4F0907-01)				**Matrix: Soil**		**Batch: 24F0262**		**CONT**
Acetone	ND	---	1490	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Acrylonitrile	ND	---	149	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Benzene	ND	---	14.9	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Bromobenzene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Bromochloromethane	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Bromodichloromethane	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Bromoform	ND	---	149	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Bromomethane	ND	---	747	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
2-Butanone (MEK)	ND	---	747	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
n-Butylbenzene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
sec-Butylbenzene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
tert-Butylbenzene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Carbon disulfide	ND	---	747	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Carbon tetrachloride	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Chlorobenzene	**41.1**	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Chloroethane	ND	---	747	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Chloroform	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Chloromethane	ND	---	373	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
2-Chlorotoluene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
4-Chlorotoluene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Dibromochloromethane	ND	---	149	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	373	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Dibromomethane	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2-Dichlorobenzene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,3-Dichlorobenzene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,4-Dichlorobenzene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Dichlorodifluoromethane	ND	---	149	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,1-Dichloroethane	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,1-Dichloroethene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-2 (A4F0907-01)				**Matrix: Soil**		**Batch: 24F0262**		**CONT**
1,2-Dichloropropane	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,3-Dichloropropane	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
2,2-Dichloropropane	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,1-Dichloropropene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Ethylbenzene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Hexachlorobutadiene	ND	---	149	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
2-Hexanone	ND	---	747	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Isopropylbenzene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
4-Isopropyltoluene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Methylene chloride	ND	---	747	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	747	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Naphthalene	ND	---	149	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
n-Propylbenzene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Styrene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Toluene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	373	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	373	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,1,1-Trichloroethane	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,1,2-Trichloroethane	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Trichloroethene (TCE)	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Trichlorofluoromethane	ND	---	149	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2,3-Trichloropropane	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
Vinyl chloride	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
m,p-Xylene	ND	---	74.7	ug/kg dry	50	06/08/24 05:56	5035A/8260D	
o-Xylene	ND	---	37.3	ug/kg dry	50	06/08/24 05:56	5035A/8260D	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-2 (A4F0907-01)				**Matrix: Soil**		**Batch: 24F0262**		**CONT**
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*06/08/24 05:56*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*06/08/24 05:56*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*06/08/24 05:56*	*5035A/8260D*	
IDW-3 (A4F0907-02)				**Matrix: Soil**		**Batch: 24F0262**		**CONT**
Acetone	ND	---	1630	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Acrylonitrile	ND	---	163	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Benzene	ND	---	16.3	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Bromobenzene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Bromochloromethane	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Bromodichloromethane	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Bromoform	ND	---	163	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Bromomethane	ND	---	814	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
2-Butanone (MEK)	ND	---	814	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
n-Butylbenzene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
sec-Butylbenzene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
tert-Butylbenzene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Carbon disulfide	ND	---	814	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Carbon tetrachloride	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Chlorobenzene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Chloroethane	ND	---	814	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Chloroform	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Chloromethane	ND	---	407	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
2-Chlorotoluene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
4-Chlorotoluene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Dibromochloromethane	ND	---	163	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	---	407	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Dibromomethane	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2-Dichlorobenzene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,3-Dichlorobenzene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,4-Dichlorobenzene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Dichlorodifluoromethane	ND	---	163	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,1-Dichloroethane	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-3 (A4F0907-02)				**Matrix: Soil**		**Batch: 24F0262**		**CONT**
1,2-Dichloroethane (EDC)	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,1-Dichloroethene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
cis-1,2-Dichloroethene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
trans-1,2-Dichloroethene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2-Dichloropropane	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,3-Dichloropropane	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
2,2-Dichloropropane	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,1-Dichloropropene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
cis-1,3-Dichloropropene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
trans-1,3-Dichloropropene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Ethylbenzene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Hexachlorobutadiene	ND	---	163	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
2-Hexanone	ND	---	814	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Isopropylbenzene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
4-Isopropyltoluene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Methylene chloride	ND	---	814	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	---	814	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Naphthalene	ND	---	163	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
n-Propylbenzene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Styrene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Tetrachloroethene (PCE)	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Toluene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2,3-Trichlorobenzene	ND	---	407	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2,4-Trichlorobenzene	ND	---	407	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,1,1-Trichloroethane	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,1,2-Trichloroethane	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Trichloroethene (TCE)	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Trichlorofluoromethane	ND	---	163	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2,3-Trichloropropane	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-3 (A4F0907-02)				**Matrix: Soil**		**Batch: 24F0262**		**CONT**
1,3,5-Trimethylbenzene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Vinyl chloride	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
m,p-Xylene	ND	---	81.4	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
o-Xylene	ND	---	40.7	ug/kg dry	50	06/08/24 06:23	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*06/08/24 06:23*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*06/08/24 06:23*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*	*1*	*06/08/24 06:23*	*5035A/8260D*	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
IDW-2 (A4F0907-01)				**Matrix: Soil**		**Batch: 24F0232**		
% Solids	**72.5**	---	1.00	%	1	06/10/24 06:52	EPA 8000D	
IDW-3 (A4F0907-02)				**Matrix: Soil**		**Batch: 24F0232**		
% Solids	**72.4**	---	1.00	%	1	06/10/24 06:52	EPA 8000D	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

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 24F0262 - EPA 5035A							Soil					
Blank (24F0262-BLK1)			Prepared: 06/07/24 11:12 Analyzed: 06/08/24 00:04									
5035A/8260D												
Acetone	ND	---	1000	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	---	10.0	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

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 24F0262 - EPA 5035A							Soil					
Blank (24F0262-BLK1)			Prepared: 06/07/24 11:12 Analyzed: 06/08/24 00:04									
1,2-Dichloropropane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	---	500	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	---	250	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	---	100	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	---	25.0	ug/kg wet	50	---	---	---	---	---	---	

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

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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 24F0262 - EPA 5035A							**Soil**					
Blank (24F0262-BLK1)			Prepared: 06/07/24 11:12 Analyzed: 06/08/24 00:04									
Surr: Toluene-d8 (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*			*"*					
LCS (24F0262-BS1)			Prepared: 06/07/24 11:12 Analyzed: 06/07/24 23:09									
5035A/8260D												
Acetone	2060	---	1000	ug/kg wet	50	2000	---	103	80-120%	---	---	
Acrylonitrile	1120	---	100	ug/kg wet	50	1000	---	112	80-120%	---	---	
Benzene	1090	---	10.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Bromobenzene	1000	---	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Bromochloromethane	1180	---	50.0	ug/kg wet	50	1000	---	118	80-120%	---	---	
Bromodichloromethane	1140	---	50.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
Bromoform	1080	---	100	ug/kg wet	50	1000	---	108	80-120%	---	---	
Bromomethane	1110	---	500	ug/kg wet	50	1000	---	111	80-120%	---	---	
2-Butanone (MEK)	2290	---	500	ug/kg wet	50	2000	---	114	80-120%	---	---	
n-Butylbenzene	942	---	50.0	ug/kg wet	50	1000	---	94	80-120%	---	---	
sec-Butylbenzene	980	---	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
tert-Butylbenzene	918	---	50.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Carbon disulfide	1130	---	500	ug/kg wet	50	1000	---	113	80-120%	---	---	
Carbon tetrachloride	1090	---	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Chlorobenzene	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Chloroethane	1250	---	500	ug/kg wet	50	1000	---	**125**	**80-120%**	---	---	Q-56
Chloroform	1140	---	50.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
Chloromethane	1150	---	250	ug/kg wet	50	1000	---	115	80-120%	---	---	
2-Chlorotoluene	974	---	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
4-Chlorotoluene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Dibromochloromethane	1120	---	100	ug/kg wet	50	1000	---	112	80-120%	---	---	
1,2-Dibromo-3-chloropropane	882	---	250	ug/kg wet	50	1000	---	88	80-120%	---	---	
1,2-Dibromoethane (EDB)	1130	---	50.0	ug/kg wet	50	1000	---	113	80-120%	---	---	
Dibromomethane	1140	---	50.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,2-Dichlorobenzene	970	---	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,3-Dichlorobenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,4-Dichlorobenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Dichlorodifluoromethane	1050	---	100	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,1-Dichloroethane	1150	---	25.0	ug/kg wet	50	1000	---	115	80-120%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

APEX LABORATORIES

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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 24F0262 - EPA 5035A							**Soil**					
LCS (24F0262-BS1)			Prepared: 06/07/24 11:12 Analyzed: 06/07/24 23:09									
1,2-Dichloroethane (EDC)	1140	---	25.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,1-Dichloroethene	1150	---	25.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
cis-1,2-Dichloroethene	1070	---	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
trans-1,2-Dichloroethene	1100	---	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,2-Dichloropropane	1120	---	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
1,3-Dichloropropane	1110	---	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
2,2-Dichloropropane	1180	---	50.0	ug/kg wet	50	1000	---	118	80-120%	---	---	
1,1-Dichloropropene	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
cis-1,3-Dichloropropene	1150	---	50.0	ug/kg wet	50	1000	---	115	80-120%	---	---	
trans-1,3-Dichloropropene	1220	---	50.0	ug/kg wet	50	1000	---	**122**	**80-120%**	---	---	Q-56
Ethylbenzene	1050	---	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Hexachlorobutadiene	919	---	100	ug/kg wet	50	1000	---	92	80-120%	---	---	
2-Hexanone	1720	---	500	ug/kg wet	50	2000	---	86	80-120%	---	---	
Isopropylbenzene	928	---	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
4-Isopropyltoluene	906	---	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
Methylene chloride	1080	---	500	ug/kg wet	50	1000	---	108	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2030	---	500	ug/kg wet	50	2000	---	101	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1050	---	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Naphthalene	722	---	100	ug/kg wet	50	1000	---	**72**	**80-120%**	---	---	Q-55
n-Propylbenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Styrene	1060	---	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1090	---	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1120	---	50.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
Tetrachloroethene (PCE)	1070	---	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Toluene	1010	---	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,2,3-Trichlorobenzene	880	---	250	ug/kg wet	50	1000	---	88	80-120%	---	---	
1,2,4-Trichlorobenzene	822	---	250	ug/kg wet	50	1000	---	82	80-120%	---	---	
1,1,1-Trichloroethane	1120	---	25.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
1,1,2-Trichloroethane	1140	---	25.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
Trichloroethene (TCE)	1020	---	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Trichlorofluoromethane	792	---	100	ug/kg wet	50	1000	---	**79**	**80-120%**	---	---	Q-55
1,2,3-Trichloropropane	1030	---	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,2,4-Trimethylbenzene	948	---	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,3,5-Trimethylbenzene	990	---	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

APEX LABORATORIES

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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 24F0262 - EPA 5035A							Soil					
LCS (24F0262-BS1)			Prepared: 06/07/24 11:12 Analyzed: 06/07/24 23:09									
Vinyl chloride	1200	---	25.0	ug/kg wet	50	1000	---	120	80-120%	---	---	
m,p-Xylene	2140	---	50.0	ug/kg wet	50	2000	---	107	80-120%	---	---	
o-Xylene	918	---	25.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*103 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*93 %*	*79-120 %*			*"*					
Duplicate (24F0262-DUP1)			Prepared: 05/28/24 18:00 Analyzed: 06/08/24 09:33									
QC Source Sample: Non-SDG (A4E1650-01)												
Acetone	ND	---	3320	ug/kg dry	100	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	
Benzene	ND	---	33.2	ug/kg dry	100	---	ND	---	---	---	30%	
Bromobenzene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Bromoform	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	
Bromomethane	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	166	ug/kg dry	100	---	146	---	---	***	30%	
tert-Butylbenzene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroethane	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	
Chloroform	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Chloromethane	ND	---	829	ug/kg dry	100	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	829	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Dibromomethane	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

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 24F0262 - EPA 5035A							Soil					
Duplicate (24F0262-DUP1)			Prepared: 05/28/24 18:00 Analyzed: 06/08/24 09:33									
QC Source Sample: Non-SDG (A4E1650-01)												
1,3-Dichlorobenzene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	
2-Hexanone	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Methylene chloride	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Naphthalene	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Styrene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	1660	ug/kg dry	100	---	ND	---	---	---	30%	R-02
Tetrachloroethene (PCE)	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Toluene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	---	829	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	829	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

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 24F0262 - EPA 5035A							Soil					
Duplicate (24F0262-DUP1)			Prepared: 05/28/24 18:00 Analyzed: 06/08/24 09:33									
QC Source Sample: Non-SDG (A4E1650-01)												
Trichloroethene (TCE)	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	332	ug/kg dry	100	---	ND	---	---	---	30%	R-02
1,2,4-Trimethylbenzene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	166	ug/kg dry	100	---	ND	---	---	---	30%	
o-Xylene	ND	---	82.9	ug/kg dry	100	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*97 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*		*"*					
Duplicate (24F0262-DUP2)			Prepared: 05/31/24 10:40 Analyzed: 06/08/24 10:27									
QC Source Sample: Non-SDG (A4E1742-05)												
Acetone	ND	---	1860	ug/kg wet	100	---	ND	---	---	---	30%	
Acrylonitrile	ND	---	186	ug/kg wet	100	---	ND	---	---	---	30%	
Benzene	ND	---	18.6	ug/kg wet	100	---	ND	---	---	---	30%	
Bromobenzene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Bromochloromethane	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Bromodichloromethane	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Bromoform	ND	---	186	ug/kg wet	100	---	ND	---	---	---	30%	
Bromomethane	ND	---	931	ug/kg wet	100	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	---	931	ug/kg wet	100	---	ND	---	---	---	30%	
n-Butylbenzene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Carbon disulfide	ND	---	931	ug/kg wet	100	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Chlorobenzene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Chloroethane	ND	---	931	ug/kg wet	100	---	ND	---	---	---	30%	
Chloroform	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Chloromethane	ND	---	466	ug/kg wet	100	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

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 24F0262 - EPA 5035A							Soil					
Duplicate (24F0262-DUP2)			Prepared: 05/31/24 10:40 Analyzed: 06/08/24 10:27									
QC Source Sample: Non-SDG (A4E1742-05)												
4-Chlorotoluene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Dibromochloromethane	ND	---	186	ug/kg wet	100	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	---	466	ug/kg wet	100	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Dibromomethane	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	---	186	ug/kg wet	100	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	---	186	ug/kg wet	100	---	ND	---	---	---	30%	
2-Hexanone	ND	---	931	ug/kg wet	100	---	ND	---	---	---	30%	
Isopropylbenzene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
4-Isopropyltoluene	**302**	---	93.1	ug/kg wet	100	---	295	---	---	2	30%	
Methylene chloride	ND	---	931	ug/kg wet	100	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	---	931	ug/kg wet	100	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Naphthalene	ND	---	186	ug/kg wet	100	---	ND	---	---	---	30%	
n-Propylbenzene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Styrene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. 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**

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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 24F0262 - EPA 5035A							**Soil**					
Duplicate (24F0262-DUP2)			Prepared: 05/31/24 10:40 Analyzed: 06/08/24 10:27									
QC Source Sample: Non-SDG (A4E1742-05)												
Tetrachloroethene (PCE)	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Toluene	**6400**	---	93.1	ug/kg wet	100	---	6150	---	---	4	30%	
1,2,3-Trichlorobenzene	ND	---	466	ug/kg wet	100	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	---	466	ug/kg wet	100	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	---	186	ug/kg wet	100	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
Vinyl chloride	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
m,p-Xylene	ND	---	93.1	ug/kg wet	100	---	ND	---	---	---	30%	
o-Xylene	ND	---	46.6	ug/kg wet	100	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*103 %*		*79-120 %*			*"*				
Matrix Spike (24F0262-MS1)			Prepared: 06/05/24 13:50 Analyzed: 06/08/24 06:50									**CONT**
QC Source Sample: IDW-3 (A4F0907-02)												
5035A/8260D												
Acetone	3520	---	1630	ug/kg dry	50	3250	ND	108	36-164%	---	---	
Acrylonitrile	1870	---	163	ug/kg dry	50	1630	ND	115	65-134%	---	---	
Benzene	1840	---	16.3	ug/kg dry	50	1630	ND	113	77-121%	---	---	
Bromobenzene	1710	---	40.7	ug/kg dry	50	1630	ND	105	78-121%	---	---	
Bromochloromethane	1990	---	81.4	ug/kg dry	50	1630	ND	123	78-125%	---	---	
Bromodichloromethane	1910	---	81.4	ug/kg dry	50	1630	ND	118	75-127%	---	---	
Bromoform	1760	---	163	ug/kg dry	50	1630	ND	108	67-132%	---	---	
Bromomethane	2120	---	814	ug/kg dry	50	1630	ND	130	53-143%	---	---	
2-Butanone (MEK)	3880	---	814	ug/kg dry	50	3250	ND	119	51-148%	---	---	
n-Butylbenzene	1850	---	81.4	ug/kg dry	50	1630	ND	114	70-128%	---	---	
sec-Butylbenzene	1860	---	81.4	ug/kg dry	50	1630	ND	115	73-126%	---	---	
tert-Butylbenzene	1740	---	81.4	ug/kg dry	50	1630	ND	107	73-125%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

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 24F0262 - EPA 5035A							Soil					
Matrix Spike (24F0262-MS1)			Prepared: 06/05/24 13:50		Analyzed: 06/08/24 06:50							CONT
QC Source Sample: IDW-3 (A4F0907-02)												
Carbon disulfide	1970	---	814	ug/kg dry	50	1630	ND	121	63-132%	---	---	
Carbon tetrachloride	1910	---	81.4	ug/kg dry	50	1630	ND	118	70-135%	---	---	
Chlorobenzene	1770	---	40.7	ug/kg dry	50	1630	ND	109	79-120%	---	---	
Chloroethane	2300	---	814	ug/kg dry	50	1630	ND	**142**	**59-139%**	---	---	Q-54a
Chloroform	1880	---	81.4	ug/kg dry	50	1630	ND	116	78-123%	---	---	
Chloromethane	2020	---	407	ug/kg dry	50	1630	ND	124	50-136%	---	---	
2-Chlorotoluene	1750	---	81.4	ug/kg dry	50	1630	ND	108	75-122%	---	---	
4-Chlorotoluene	1790	---	81.4	ug/kg dry	50	1630	ND	110	72-124%	---	---	
Dibromochloromethane	1850	---	163	ug/kg dry	50	1630	ND	113	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1550	---	407	ug/kg dry	50	1630	ND	95	61-132%	---	---	
1,2-Dibromoethane (EDB)	1840	---	81.4	ug/kg dry	50	1630	ND	113	78-122%	---	---	
Dibromomethane	1880	---	81.4	ug/kg dry	50	1630	ND	116	78-125%	---	---	
1,2-Dichlorobenzene	1640	---	40.7	ug/kg dry	50	1630	ND	101	78-121%	---	---	
1,3-Dichlorobenzene	1790	---	40.7	ug/kg dry	50	1630	ND	110	77-121%	---	---	
1,4-Dichlorobenzene	1740	---	40.7	ug/kg dry	50	1630	ND	107	75-120%	---	---	
Dichlorodifluoromethane	1970	---	163	ug/kg dry	50	1630	ND	121	29-149%	---	---	
1,1-Dichloroethane	1950	---	40.7	ug/kg dry	50	1630	ND	120	76-125%	---	---	
1,2-Dichloroethane (EDC)	1890	---	40.7	ug/kg dry	50	1630	ND	116	73-128%	---	---	
1,1-Dichloroethene	2000	---	40.7	ug/kg dry	50	1630	ND	123	70-131%	---	---	
cis-1,2-Dichloroethene	1810	---	40.7	ug/kg dry	50	1630	ND	111	77-123%	---	---	
trans-1,2-Dichloroethene	1910	---	40.7	ug/kg dry	50	1630	ND	117	74-125%	---	---	
1,2-Dichloropropane	1870	---	40.7	ug/kg dry	50	1630	ND	115	76-123%	---	---	
1,3-Dichloropropane	1800	---	81.4	ug/kg dry	50	1630	ND	111	77-121%	---	---	
2,2-Dichloropropane	1690	---	81.4	ug/kg dry	50	1630	ND	104	67-133%	---	---	
1,1-Dichloropropene	1800	---	81.4	ug/kg dry	50	1630	ND	111	76-125%	---	---	
cis-1,3-Dichloropropene	1820	---	81.4	ug/kg dry	50	1630	ND	112	74-126%	---	---	
trans-1,3-Dichloropropene	1940	---	81.4	ug/kg dry	50	1630	ND	119	71-130%	---	---	Q-54
Ethylbenzene	1790	---	40.7	ug/kg dry	50	1630	ND	110	76-122%	---	---	
Hexachlorobutadiene	1830	---	163	ug/kg dry	50	1630	ND	113	61-135%	---	---	
2-Hexanone	2970	---	814	ug/kg dry	50	3250	ND	91	53-145%	---	---	
Isopropylbenzene	1700	---	81.4	ug/kg dry	50	1630	ND	105	68-134%	---	---	
4-Isopropyltoluene	1720	---	81.4	ug/kg dry	50	1630	ND	106	73-127%	---	---	
Methylene chloride	1790	---	814	ug/kg dry	50	1630	ND	110	70-128%	---	---	

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. 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**

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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 24F0262 - EPA 5035A							**Soil**					
Matrix Spike (24F0262-MS1)			Prepared: 06/05/24 13:50		Analyzed: 06/08/24 06:50							**CONT**
QC Source Sample: IDW-3 (A4F0907-02)												
4-Methyl-2-pentanone (MiBK)	3510	---	814	ug/kg dry	50	3250	ND	108	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1730	---	81.4	ug/kg dry	50	1630	ND	106	73-125%	---	---	
Naphthalene	1440	---	163	ug/kg dry	50	1630	ND	89	62-129%	---	---	Q-54c
n-Propylbenzene	1910	---	40.7	ug/kg dry	50	1630	ND	117	73-125%	---	---	
Styrene	1840	---	81.4	ug/kg dry	50	1630	ND	113	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1780	---	40.7	ug/kg dry	50	1630	ND	109	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1700	---	81.4	ug/kg dry	50	1630	ND	105	70-124%	---	---	
Tetrachloroethene (PCE)	1750	---	40.7	ug/kg dry	50	1630	ND	108	73-128%	---	---	
Toluene	1670	---	81.4	ug/kg dry	50	1630	ND	102	77-121%	---	---	
1,2,3-Trichlorobenzene	1600	---	407	ug/kg dry	50	1630	ND	98	66-130%	---	---	
1,2,4-Trichlorobenzene	1580	---	407	ug/kg dry	50	1630	ND	97	67-129%	---	---	
1,1,1-Trichloroethane	1910	---	40.7	ug/kg dry	50	1630	ND	117	73-130%	---	---	
1,1,2-Trichloroethane	1880	---	40.7	ug/kg dry	50	1630	ND	115	78-121%	---	---	
Trichloroethene (TCE)	1810	---	40.7	ug/kg dry	50	1630	ND	111	77-123%	---	---	
Trichlorofluoromethane	3610	---	163	ug/kg dry	50	1630	ND	**222**	**62-140%**	---	---	Q-54b
1,2,3-Trichloropropane	1700	---	81.4	ug/kg dry	50	1630	ND	104	73-125%	---	---	
1,2,4-Trimethylbenzene	1700	---	81.4	ug/kg dry	50	1630	ND	104	75-123%	---	---	
1,3,5-Trimethylbenzene	1780	---	81.4	ug/kg dry	50	1630	ND	109	73-124%	---	---	
Vinyl chloride	2170	---	40.7	ug/kg dry	50	1630	ND	134	56-135%	---	---	
m,p-Xylene	3720	---	81.4	ug/kg dry	50	3250	ND	114	77-124%	---	---	
o-Xylene	1670	---	40.7	ug/kg dry	50	1630	ND	103	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*100 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*95 %*		*79-120 %*				*"*			

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: North Portland Rd.	
15618 SW 72nd Ave	Project Number: 24006613	Report ID:
Tigard, OR 97224	Project Manager: John Foxwell	A4F0907 - 06 13 24 1653

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 24F0232 - Total Solids (Dry Weight) - 2022							Soil					
Duplicate (24F0232-DUP1)			Prepared: 06/07/24 08:23		Analyzed: 06/10/24 06:52							
QC Source Sample: Non-SDG (A4F0906-01)												
% Solids	**78.0**	---	1.00	%	1	---	80.7	---	---	3	10%	
Duplicate (24F0232-DUP2)			Prepared: 06/07/24 08:23		Analyzed: 06/10/24 06:52							
QC Source Sample: Non-SDG (A4F0906-02)												
% Solids	**84.6**	---	1.00	%	1	---	84.4	---	---	0.2	10%	
Duplicate (24F0232-DUP3)			Prepared: 06/07/24 08:23		Analyzed: 06/10/24 06:52							
QC Source Sample: Non-SDG (A4F0906-03)												
% Solids	**78.0**	---	1.00	%	1	---	79.0	---	---	1	10%	
Duplicate (24F0232-DUP4)			Prepared: 06/07/24 19:57		Analyzed: 06/10/24 06:52							
QC Source Sample: Non-SDG (A4F1000-01)												
% Solids	**77.0**	---	1.00	%	1	---	76.4	---	---	0.8	10%	

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

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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
Batch: 24F0262							
A4F0907-01	Soil	5035A/8260D	06/05/24 13:45	06/05/24 13:45	6.185g/5mL	5g/5mL	0.81
A4F0907-02	Soil	5035A/8260D	06/05/24 13:50	06/05/24 13:50	5.532g/5mL	5g/5mL	0.90

Percent Dry Weight

Prep: Total Solids (Dry Weight) - 2022

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 24F0232							
A4F0907-01	Soil	EPA 8000D	06/05/24 13:45	06/07/24 19:57			NA
A4F0907-02	Soil	EPA 8000D	06/05/24 13:50	06/07/24 19:57			NA

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

QUALIFIER DEFINITIONS

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

Apex Laboratories

CONT	The Sample Container provided for this analysis was not provided by Apex Laboratories, and has not been verified as part of the Apex Quality System.
Q-54	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-54a	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-54b	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-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -8%. The results are reported as Estimated Values.
Q-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. Samples that are ND (Non-Detect) are not impacted.
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

Apex Laboratories

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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'.

Results for Volatiles analyses on soils and sediments that are reported on a “dry weight” basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an “As Received” basis do not have the WMS correction applied, as dry weight was not performed.

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).

Apex Laboratories

Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. 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**

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL).
Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.
-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.
-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, if results are not reported to the MDL.

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

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

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

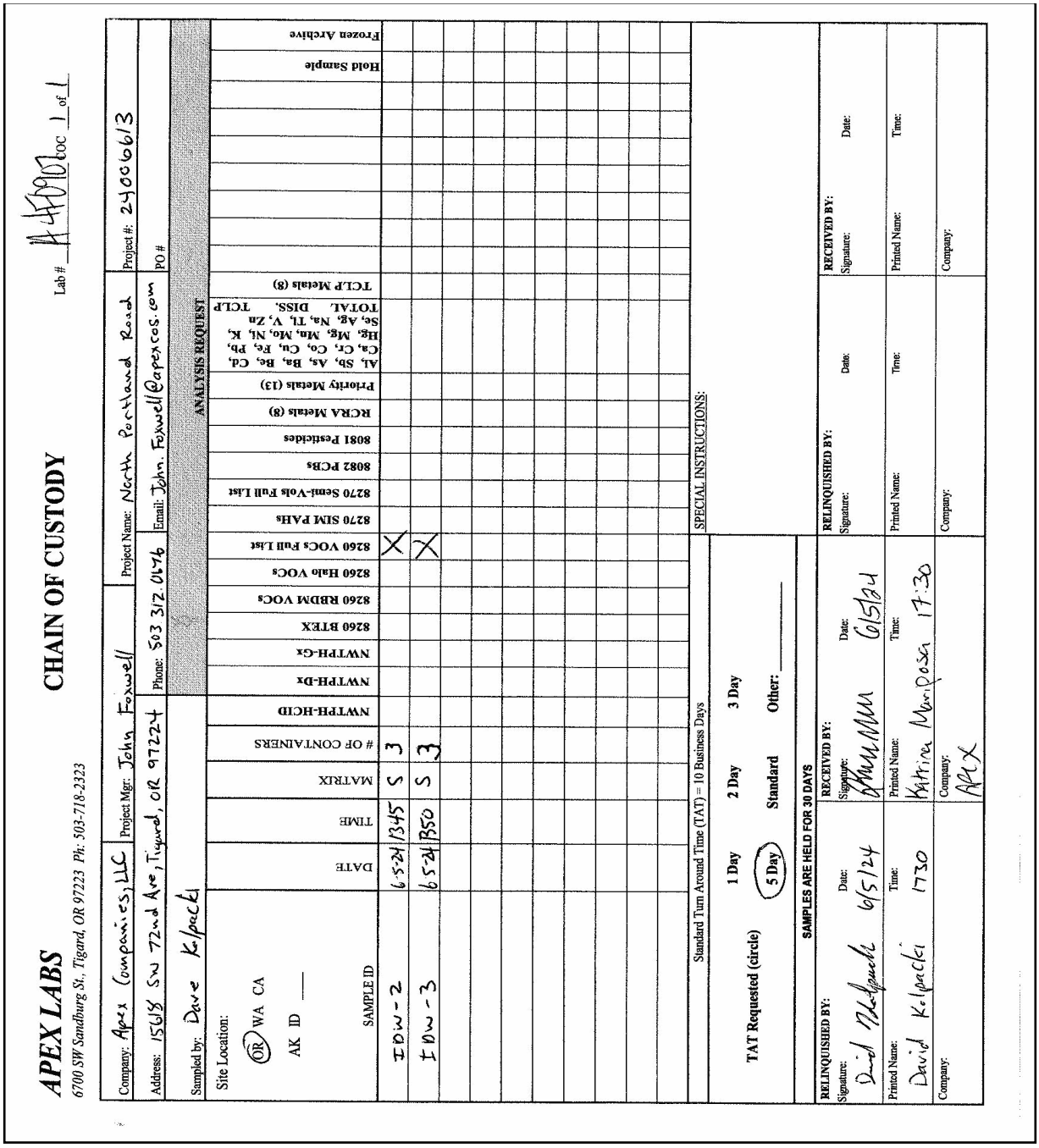
Darrell Auvil, Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**



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

CHAIN OF CUSTODY — Lab # 4F0907 COC 1 of 1

Company: Apex Companies, LLC | Project Mgr: John Foxwell | Project Name: North Portland Road | Project #: 24006613

Address: 15618 SW 72nd Ave, Tigard, OR 97224 | Phone: 503 372 0176 | Email: John.Foxwell@apexcos.com | PO #

Sampled by: Dave Kilpatrick

Site Location: (OR) WA CA — AK ID ___

SAMPLE ID	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pesticides	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	Hold Sample	Frozen Archive
EDW-2	6-5-24	1345	S	3							X										
EDW-3	6-5-24	1350	S	3							X										

Standard Turn Around Time (TAT) = 10 Business Days

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

SPECIAL INSTRUCTIONS:

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	RECEIVED BY:	Date:	RELINQUISHED BY:	Date:	RECEIVED BY:	Date:
Signature: David Kilpatrick	6/5/24	Signature: [signature]	6/5/24	Signature:		Signature:	
Printed Name: David Kilpatrick	Time: 1730	Printed Name: Katrina Mendoza	Time: 17:30	Printed Name:	Time:	Printed Name:	Time:
Company: APEX		Company: APEX		Company:		Company:	

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

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

ANALYTICAL REPORT

Apex Companies, LLC	Project: **North Portland Rd.**	
15618 SW 72nd Ave	Project Number: **24006613**	**Report ID:**
Tigard, OR 97224	Project Manager: **John Foxwell**	**A4F0907 - 06 13 24 1653**

APEX LABS COOLER RECEIPT FORM

Client: Apex Companies, LLC Element WO#: A4 F0907

Project/Project #: North Portland Road / 24006613

Delivery Info:

Date/time received: 6/5/24 @ 17:30 By: RAM

Delivered by: Apex__Client X ESS__FedEx__UPS__Radio__Morgan__SDS__Evergreen__Other__

From USDA Regulated Origin? Yes ____ No X

Cooler Inspection Date/time inspected: 6/5/24 @ 17:30 By: RAM

Chain of Custody included? Yes X No ____

Signed/dated by client? Yes X No ____

Contains USDA Reg. Soils? Yes ____ No X Unsure (email RegSoils) ____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.4						
Custody seals? (Y/N)	N						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Real						
Condition (In/Out):	In						

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

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

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 6/6/24 @ 900 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 pH ID:____

Comments: ____

Labeled by: JS Witness: KAB Cooler Inspected by: KA

Form Y-003 R-02

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager