State of Oregon
Department of Environmental Quality Memorandum

Date: July 30, 2024

To: FILE

Through: Kevin Parrett, Manager
Jeff Schatz, Project Manager
Northwest Region Cleanup Program

From: Rebecca Digiustino, Project Manager
Northwest Region

Subject: Former Airport Auto Salvage Facility, Cleanup Site #6484; Staff Memorandum in support of a No Further Action determination

This document presents the basis for the Oregon Department of Environmental Quality's (DEQ's) recommended No Further Action (NFA) determination for the former Airport Auto Salvage facility, in Portland, Oregon. As discussed in this report, contaminant concentrations in soil and groundwater are below acceptable risk levels.

The proposed NFA determination meets the requirements of Oregon Administrative Rules (OAR) Chapter 340 Division 122, Sections 010 to 0140 and Oregon Revised Statutes (ORS) 465.200 through 465.455.

The proposal is based on information documented in the administrative record for this site. A copy of the administrative record index is presented at the end of this report.

1. BACKGROUND

Site location.
The site's location (Figure 1) can be described as follows:
- Address: 4623 Northeast (NE) Buffalo Street, Portland, Multnomah County, Oregon.
- Latitude 45.5757º North, longitude -122.6147º West
- Tax lot(s) 1000 and 1100, Township 1 North, Range 02 East, Section 18

Site setting.
The 1.55-acre subject property is comprised of two tax lots: Tax Lot 1000 (TL1000) and Tax Lot 1100 (TL1100). TL1000 is 0.75 acres in size and is developed with three corrugated metal siding structures and one mobile home. The buildings on TL1000 were used as a garage, parts storage, and vehicle dismantling facility. The mobile home was used as an office and has an on-site septic tank. TL1100 is 0.80 acres in size and is developed with one corrugated metal siding structure and a small storage shed. The building on TL1100 was reportedly used as an equipment storage shed. The remaining portions of both tax lots are either gravel or paved parking/storage areas.

Physical setting.
The subject property is generally flat with a slight slope from the southern property boundary toward the northern property boundary. Soils at the site have been observed to generally consist of crushed rock or paved surface overlying imported fill from approximately 1 foot below ground surface (bgs) in the southern and western portions of the site to up to approximately 6 feet bgs in the northwestern portion of the site, followed by silty clay to at least 15 feet bgs.

Groundwater at the site has been encountered at depths as shallow as 1.9 feet bgs. Based on the depth to groundwater across the site as measured in site monitoring wells and general site topography, groundwater is anticipated to flow to the northwest towards the Ferrous Slough.

Site history.
The subject property was developed for agricultural uses by 1951 until approximately 1975. The property was then used as an automotive salvage facility since the late 1970s until 2021. Operations at the salvage yard consisted of wrecked automotive storage, dismantling of vehicles for parts, and draining automotive fluids for disposal or recycling.

2. BENEFICIAL LAND AND WATER USE DETERMINATIONS

Land use.
The subject property and adjacent properties are zoned general industrial 2 (IG2); however, the adjacent properties south of Northeast Buffalo are described as single-family residential properties despite being zoned IG2. Properties adjacent to the subject property are shown on Figure 2 and are occupied as follows:

> North: Wood Waste Management (7315 NE 47th Avenue)
> West: International Tank and Pipe Company (4547 NE Buffalo Street)
> South: NE Buffalo Street, followed by residential and/or commercial properties including Clean Air Lawn Care (4646 NE Buffalo Street) and Grass Stains Landscaping (4614 NE Buffalo Street)
> East: Blessing Landscapes (7219 NE 47th Avenue), followed by Evolution Plumbing (7210 NE 47th Avenue) and CARO Car Rental Portland Airport (4730 NE Crystal Lane)

Due to the city zoning restrictions, the site and adjacent properties are reasonably likely to continue operating as commercial or industrial businesses in the future. The Estate of Patrick Trainor, which is current property owner, is in the process of selling the property to the current tenant of tax lots 01100 and 03700, Blessing Landscapes. Blessing Landscapes plan to continue using the site for its landscaping business.

Groundwater use.
A beneficial site use survey was conducted by Grant Associates, Incorporated (Grant Associates), the environmental contractor retained by the estate of the property owner, in general accordance with the DEQ document *Guidance for Conducting Beneficial Water Use Determinations at Environmental Cleanup Sites*, dated July 1, 1998. This survey included a review of the Oregon Water Resources Department (WRD) water well database, a mail-in survey of surrounding properties, and an evaluation of the municipal water sources and supply.

A beneficial water use survey was conducted to identify any potential drinking or irrigation water wells within a 0.5-mile radius of the site as shown on Figure 4. The Oregon WRD database listed no active water supply wells and 21 abandoned groundwater supply wells within the search area, which included Sections 12 and 18 of Township 1 North, Range 2 East and Sections 12 and 13 of Township 1 North, Range 1 East. Additionally, 113 monitoring wells and 504 geotechnical hole reports were identified within the search radius.

Mail-in surveys were conducted for adjacent properties to confirm the presence or absence of water supply wells. The survey forms were completed by property owners or knowledgeable parties. No additional water wells were identified by the survey.

Grant Associates reviewed the most recently available Portland Water Bureau Annual Water Quality Report (2024) to evaluate the municipal water source supply at the site and surrounding properties. Municipal water is primarily supplied by the Bull Run watershed. However, for emergency or seasonal purposes, the city of Portland may use the Columbia South Shore Wellfield (CSSWF), located along the south shore of the Columbia River, as a backup water source. The CSSWF wellhead protection area is located approximately 1.8 miles east of the site.

Based on the distances and locations relative to the site, the release of hazardous substances at the site is not likely to impact the drinking water source consisting of municipal water sources or domestic water wells.

Surface water use.
The Ferrous Slough is an intermittent stormwater drainage ditch located along the northern property boundary that drains via Portland outfall AAL552 to the Columbia Slough. Due to bifurcation, the Whitaker Slough is located approximately 125 feet south and the Columbia Slough is located 400 feet north of the site.

Stormwater at the site generally infiltrates into the gravel surfaces. There is an approximately 100-foot-long by 1-foot-high gravel berm located on TL01000 that acts as a barrier to stormwater sheet flow towards the Ferrous Slough; however, there has reportedly been no observable sheet flow to the Ferrous Slough. During periods of high rainfall, stormwater has been observed to pool within depressions on TL01000 and generally infiltrate within 48 hours.

3. INVESTIGATION AND CLEANUP WORK

In 2022, a Phase I Environmental Site Assessment (ESA) and a Phase II Subsurface Assessment were conducted at the site. Five soil samples and four grab groundwater samples were collected from the site. The site investigation identified total petroleum hydrocarbons as oil (TPH-O) and lead contamination in soil and groundwater (Tables 1 and 2).

In 2023, an additional site investigation was conducted. Nine soil samples from soil borings, two soil samples from test pits, and four composite soil samples were collected and analyzed for petroleum hydrocarbons, volatile organic compounds (VOCs), metals, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and organochlorine pesticides. The sampling focused mainly on the buildings of TL01000 and TL01100 as well as the stormwater berm located on TL01000, as shown on Figure 3. TPH-O, metals, PAHs, PCBs, and organochlorine pesticides were

present in shallow soil at concentrations less than the risk-based concentration (RBC) screening level for occupational scenarios, except for lead (Table 1). Lead was detected at a concentration of 2,120 milligrams per kilogram in soil collected near the Equipment Shed located on TL01100. Additionally, three monitoring wells were installed at the site (MW-1 through MW-3). Five grab groundwater samples and one groundwater sample from each monitoring well were also collected. The groundwater samples contained detectable concentrations of TPH-O, methyl tert-butyl ether (MTBE), fluorene, naphthalene, and metals (Table 2).

Based on the elevated lead concentrations located near the Equipment Shed, a soil removal action was conducted in August 2023. Approximately 63.39 tons of contaminated soil representing characteristic hazardous waste due to toxicity was excavated and disposed of at Chemical Waste Management's Arlington Landfill in Arlington, Oregon and approximately 98.07 tons of soil was disposed of at Waste Management's Hillsboro Landfill in Hillsboro, Oregon. The excavation extended north from the north exterior wall of the Equipment Shed and measured approximately 46 feet long by 42 feet wide by up to 3.5 feet deep (Figure 4). Confirmation soil samples were collected from the limits of the excavation and analyzed for lead, total PCBs, total petroleum hydrocarbons as diesel (TPH-D) and TPH-O. The confirmation samples contained concentrations less than RBCs for occupational screening levels, except for samples EX15SC-2.25' and EX16WSW-2.25' (Table 1). These samples were located at the southern boundary of the excavation, along the northern exterior wall of the Equipment Shed, indicating that the contamination extended beneath the shed.

Three soil borings were advanced in the Equipment Shed in November 2023 to determine how far the contamination extended beneath the shed. The soil samples were analyzed for lead, total PCBs, TPH-D, and TPH-O. The results from the investigation informed the general extent of an additional removal action that occurred on February 14 and 15, 2024. Approximately 29.29 tons of soil was excavated and disposed of at Chemical Waste Management's Arlington Landfill in Arlington, Oregon. The excavation extended beneath the Equipment Shed and measured approximately 25 feet long by 15 feet wide by 3.25 feet deep (Figure 4). Confirmation soil samples were collected from the limits of the excavation and analyzed for lead, total PCBs, TPH-D, and TPH-O. Select confirmation samples were also analyzed for additional metals, PAHs, and select VOCs. The confirmation samples contained concentrations less than RBCs for occupational screening levels (Table 1).

Nature and extent of contamination.
The nature and extent of contamination at the site is generally limited to the area north of the Equipment Shed. Areas where contaminant concentrations exceed RBCs protective of occupational or construction workers for soil remaining onsite are shown on Figure 6.

4. RISK EVALUATION

Conceptual site model.
To evaluate human exposure to residual chemical contamination requires an assessment of the type and extent of that exposure. This is based on current and reasonably likely future site use. DEQ publishes RBCs for contaminants commonly encountered, for different types of exposure scenarios. These RBCs are conservative estimates of protective levels of contaminants in soil, groundwater and air. Table 1 shows potential exposure pathways and receptors for this site. Based on this, applicable RBCs are identified and used for risk screening.

Table 1. Identification of applicable RBCs, based on pertinent pathways and receptors

Pathway	Receptor	Applicable RBC?	Basis for selection/exclusion
SOIL			
Ingestion, dermal contact, and inhalation	Residential	No	See Note 1.
	Urban residential	No	
	Occupational	Yes	
	Construction worker	Yes	
	Excavation worker	Yes	
Volatilization to outdoor air	Residential	No	See Note 1.
	Urban residential	No	
	Occupational	Yes	
Vapor intrusion into buildings	Residential	No	See Note 1.
	Urban residential	No	
	Occupational	Yes	
Leaching to groundwater	Residential	No	See Note 2.
	Urban residential	No	
	Occupational	No	
GROUNDWATER			
Ingestion and inhalation from tap water	Residential	No	See Note 3.
	Urban residential	No	
	Occupational	No	
Volatilization to outdoor air	Residential	No	See Note 1.
	Urban residential	No	
	Occupational	Yes	
Vapor intrusion into buildings	Residential	No	See Note 1.
	Urban residential	No	
	Occupational	Yes	
Groundwater in excavation	Construction and excavation worker	Yes	See Note 4.

Notes:

1. Although there are residential buildings adjacent to the site, the nature and extent of the contamination is limited to the site and the site is a non-residential facility.
2. Groundwater is not used for drinking. This pathway is therefore not considered, in accordance with Section B.3.2.4 of DEQ's RBDM guidance.
3. City water is provided. Local groundwater is not currently used for drinking water and is not likely to be used for this purpose in the future.
4. Groundwater is approximately 2 feet bgs. Construction and excavation work are generally limited to a depth of approximately 15 feet; therefore, risk of contaminated groundwater to construction and excavation workers was evaluated.

Contaminant concentrations.

Maximum Contaminant Concentrations – Soil

Due to the nature and extent of the contamination being limited to TL01000 and TL01100, contaminant concentrations were compared to occupational or construction worker RBCs to evaluate

human health risks posed by contaminants in soil remaining onsite (See Figures 3 and 4 and Table 1). Soil samples representing soil that has been excavated and removed from site were not compared to the RBCs.

Soil Ingestion, Dermal Contact and Inhalation Pathway

Constituent of Interest	MDC in Soil mg/kg	Occupational Worker (RBC_{ss}) mg/kg	Construction Worker (RBC_{ss}) mg/kg	COPC? (Yes/No)
TPH-D	368	14,000	4,600	N
TPH-O	6,980	14,000	4,600**	Y
Benzene	0.0259	37	380	N
Toluene	<0.0892	88,000	28,000	N
Ethylbenzene	<0.0446	150	1,700	N
Total Xylenes	<0.134	25,000	20,000	N
Naphthalene	0.0225	23	580	N
Arsenic	16.6	1.9*	15	Y*
Lead	184	200	200	N
Total PCBs	0.0389	0.59	4.9	N

Yellow highlighted RBCs were exceeded in samples collected from one or more locations.
* The regional soil background concentration for arsenic in the area is 8.8 mg/kg. Because the occupational worker RBC is less than regional background concentration, the regional background concentration will be used to screen the soil data to evaluate human health risks for this scenario.
** DEQ has not established generic RBCs for TPH-O. The RBCs for TPH-D were used as a conservative proxy.
<# = Analyte was not detected at or above the laboratory method reporting limit shown.
COPC = constituent of potential concern

The arsenic concentration in soil collected from boring B11 (16.6 mg/kg) exceeded the regional background concentration and the construction worker RBC for the soil ingestion, dermal contact, and inhalation exposure pathway in soil. TPH-O concentrations in soil samples EX3SE-2.75' (5,310 mg/kg) and EX7NE-3.5' (6,980 mg/kg) exceeded the occupational RBC for TPH-D (conservatively used as a proxy) for the soil ingestion, dermal contact, and inhalation exposure pathway in soil.

The exposure point concentration (EPC) was calculated for arsenic concentrations at the site using the 90 percent (%) upper confidence limit (UCL). The simplest approach to determine the EPC in surface soil is to assume that contaminants are evenly distributed within the site and that endpoint receptors (both ecological and human) utilize or forage randomly with respect to contamination within the Site. Table 3 presents the EPC for the COPC arsenic in surface soil at the site, as calculated using the United States Environmental Protection Agency's (EPA's) ProUCL software. Based on the EPC compared to the regional background concentration and the RBC for the soil ingestion, dermal contact and inhalation pathway, arsenic was not carried forward as a COC.

The areas of elevated TPH-O concentrations are generally limited in extent and are located at least 2 feet bgs. There is a low probability that site workers will encounter these contaminants in near-surface soils; however, any soil disturbing activities located in the vicinity of the Equipment Shed

excavation should be conducted in accordance with the Contaminated Media Management Plan (CMMP). The general extent of the area with concentrations of TPH-O exceeding RBCs protective of occupational or construction workers is shown in Figure 6.

Soil Vapor Intrusion into Building

Constituent of Interest	MDC in Soil mg/kg	Occupational Worker (RBC_{si}) mg/kg	COPC? (Yes/No)
TPH-d	368	>Max	N
TPH-o	6,980	>Max	N
Benzene	0.0259	2.1	N
Toluene	<0.0892	>Csat	N
Ethylbenzene	<0.0446	17	N
Total Xylenes	<0.134	>Csat	N
Naphthalene	0.0225	83	N
Total PCBs	0.0389	>Csat	N

Yellow-shaded RBCs were exceeded in samples collected from one or more locations.
>Csat = Soil concentrations in excess of Csat indicate free product may be present.
>Max = The constituent RBC for this pathway is greater than 1,000,000 mg/kg. Therefore, these substances are not expected to pose risks in the scenario shown.

The concentrations of the constituents of interest in soil remaining on site do not exceed the soil vapor intrusion into building pathway RBC for occupational workers. Therefore, potential risks to occupants of nearby occupational buildings within 100 feet of site contamination have been ruled out.

Maximum Contaminant Concentrations – Groundwater
To evaluate human health risks from contamination in groundwater under various exposure scenarios, the highest detected concentrations of constituents of interest from groundwater samples collected from the site were used for comparison (see Figure 5 and Table 2).

Groundwater Vapor Intrusion into Building

Constituent of Interest	MDC in Groundwater µg/l	Occupational Worker (RBC_{wi}) µg/l	COPC? (Yes/No)
TPH-O	482	>S	N
Benzene	<0.2	2,800	N
Toluene	<1	>S	N
Ethylbenzene	<0.5	8,200	N
Total Xylenes	<1.5	>S	N

>S = Groundwater RBC exceeds the solubility limit, which indicates light nonaqueous phase liquids (LNAPL) may be present. Based on historical groundwater observations, LNAPL is not present at the site.
<# = Analyte was not detected at or above the laboratory method reporting limit shown.

The concentrations of the constituents of interest in groundwater on site do not exceed the respective vapor intrusion into buildings for groundwater RBCs for occupational workers. Therefore, potential risks to occupational workers via groundwater contamination at the site have been ruled out.

Groundwater in Excavation

Constituent of Interest	MDC in Groundwater µg/l	Construction/Excavation Worker (RBC_{we}) µg/l	COPC? (Yes/No)
TPH-O	482	>S	N
Benzene	<0.2	1,800	N
Toluene	<1	220,000	N
Ethylbenzene	<0.5	4,500	N
Total Xylenes	<1.5	23,000	N
Arsenic (dissolved)	3.03	6,300	N
Lead (dissolved)	0.474	>S	N

Yellow highlighted RBCs were exceeded in samples collected from one or more locations.

The concentrations of the constituents of interest in groundwater on site do not exceed the respective groundwater in excavation RBCs for construction or excavation worker. Therefore, potential risks to construction or excavation workers via groundwater contamination at the site have been ruled out.

Human health risk.
Arsenic and TPH-O were detected in soil at concentrations exceeding generic RBCs for the soil ingestion, dermal contact and inhalation pathway for one or more exposure pathways.

Arsenic concentrations in soil were screened against the EPC for the soil ingestion, dermal contact and inhalation pathway using the EPA's ProUCL software. Based on the ProUCL evaluation, arsenic was not carried forward as a COC.

The areas of elevated TPH-O concentrations are generally limited in extent and are located at least 2 feet bgs. There is a low probability that site workers will encounter these contaminants in near-surface soils; however, any soil disturbing activities located in the vicinity of the Equipment Shed excavation should be conducted in accordance with the CMMP. The general extent of the area with concentrations of TPH-O exceeding RBCs protective of occupational or construction workers is shown in Figure 6.

Ecological risk.
An ecological risk assessment was conducted by Grant Associates in accordance with the *Conducting Ecological Risk Assessments* guidance document. Based on the *Basic Site Information Checklist*, there are no complete exposure pathways to ecological receptors at the site. Although the Site is approximately 1.5 acres, the use of the site for foraging is limited because of the industrial land use, thick layer of gravel ground cover on site, and no available habitat on the site. Additionally, no sensitive environments exist on the site. Lastly, very low contaminant concentrations are present in groundwater and stormwater infiltrates and/or is prevented from discharging to Ferrous Slough by a gravel berm. Based on current site use and the known extent of the soil and groundwater contamination, ecological receptors are unlikely to be impacted.

5. RECOMMENDATION

Although future development is not anticipated at this time, any potentially future redevelopment on TL01000 or TL011000, particularly in the vicinity of the Equipment Shed, should be managed through implementation of a DEQ-approved CMMP. The CMMP should establish procedures for evacuation, characterization, and management of groundwater in excavations exhibiting characteristics of impact by petroleum hydrocarbons, lead, and arsenic.

Following removal of contamination and based on sample results for soil and groundwater, acceptable risk levels are not exceeded, and a No Further Action determination is recommended for this site. Provided that any soil disturbing activities located in the vicinity of the Equipment Shed excavation should be conducted in accordance with the CMMP, the No Further Action determination should be recorded in DEQ's Cleanup Site File Number 6484.

6. ADMINISTRATIVE RECORD

Phase I Environmental Site Assessment Report (revised). Grant Associates. July 20, 2022.

Phase II Subsurface Assessment. Grant Associates. August 17, 2022.

Expanded Baseline Investigation Work Plan. Grant Associates. November 11, 2022.

Expanded Baseline Environmental Investigation Data Package and Proposal for Closure Using Risk-Based Cleanup. Grant Associates. May 22, 2023.

Beneficial Water Use Determination Updated. Grant Associates. June 7, 2024.

Additional Site Characterization and Soil Cleanup. Grant Associates. July 17, 2024.

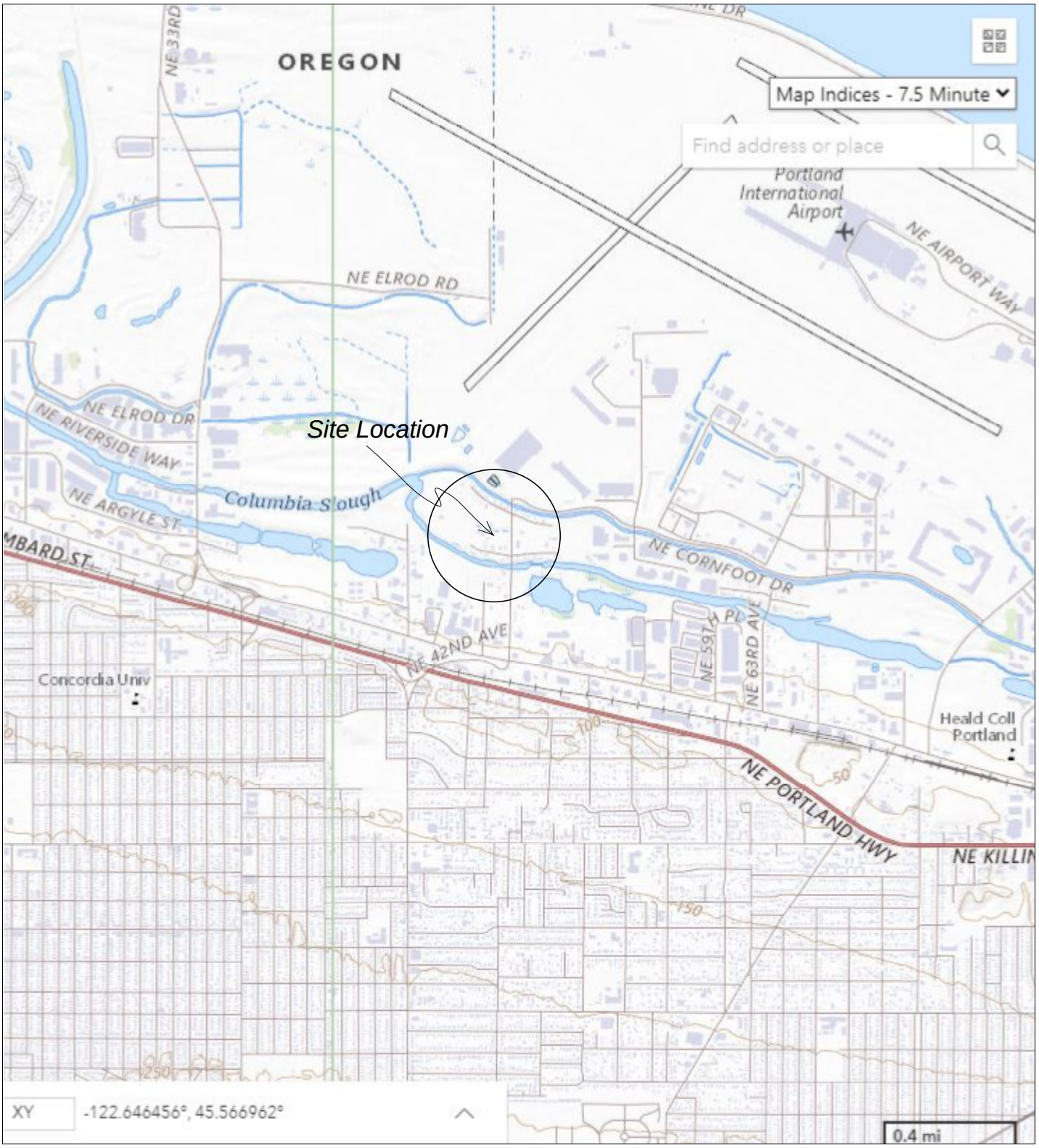
Independent Cleanup Pathway Final Report. Grant Associates. July 19, 2024.

Contaminated Media Management Plan. Grant Associates. July 21, 2024.

7. ATTACHMENTS

Figure 1. Site Location Map
Figure 2. Site Features Aerial Photos Map
Figure 3. Summary Soil Sample Location
Figure 4. Cleanup Excavation and Characterization Map
Figure 5. Summary Groundwater Sample Locations Map
Figure 6. Nature and Extent of Contamination

Table 1. Summary of Analytical Data, Soil
Table 2. Summary of Analytical Data, Reconnaissance and Monitoring Well Groundwater
Table 3. Further Evaluation of COPCs in Soil



Legend

USGS 7.5' Series Topographic Map
Mount Tabor Quad 1992

N

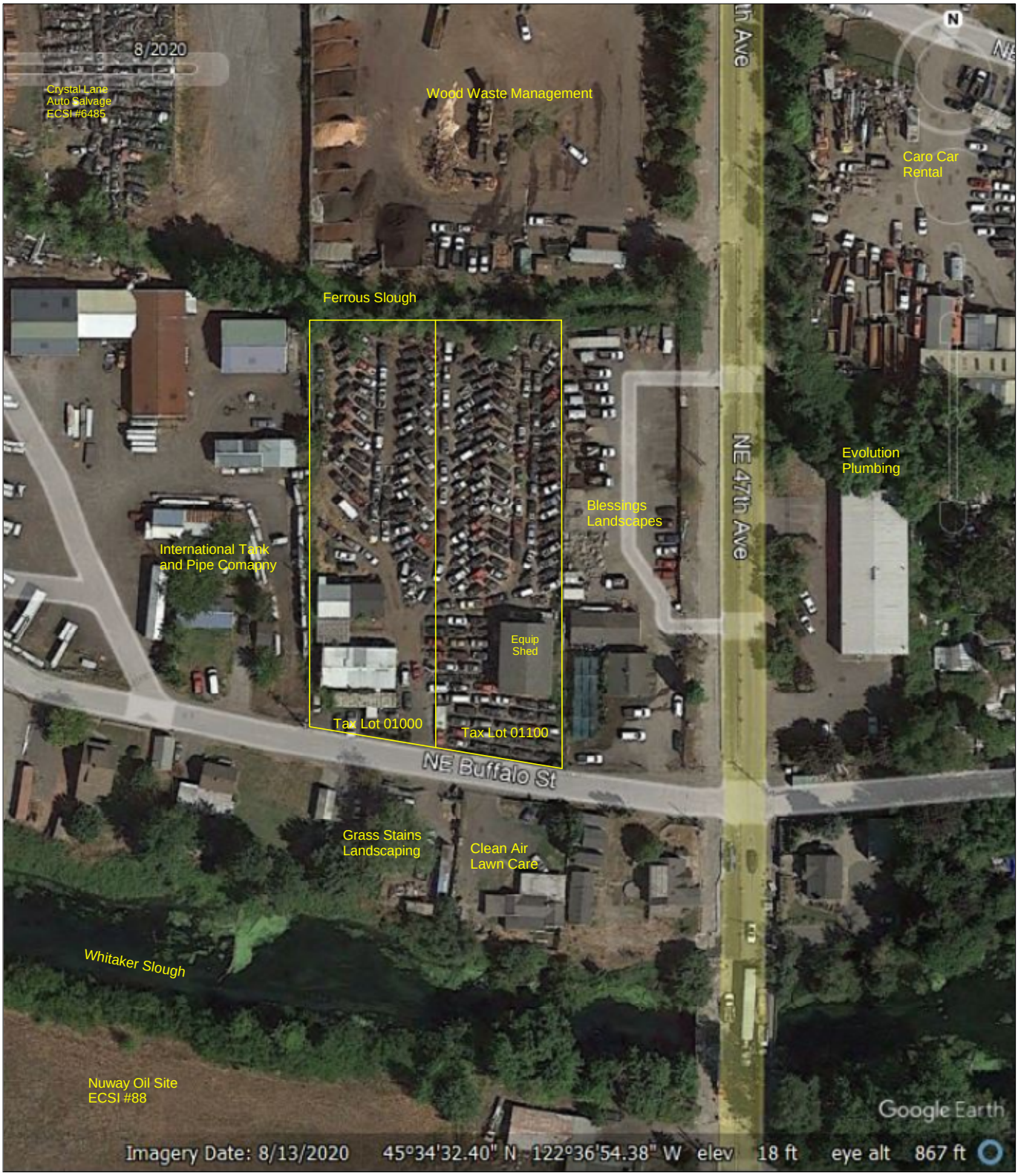
Figure 1: Former Airport Auto Salvage Property
Site Location Map
4623 NE Buffalo Street/Portland, OR 97219
DEQ ECSI Site ID #6484

GRANT ASSOCIATES, Inc.
Portland, Oregon
503-234-4299

Drawn By: CRG

Date:

Project No. 2207-1865



Legend

Base Map from Google Earth 2020

N

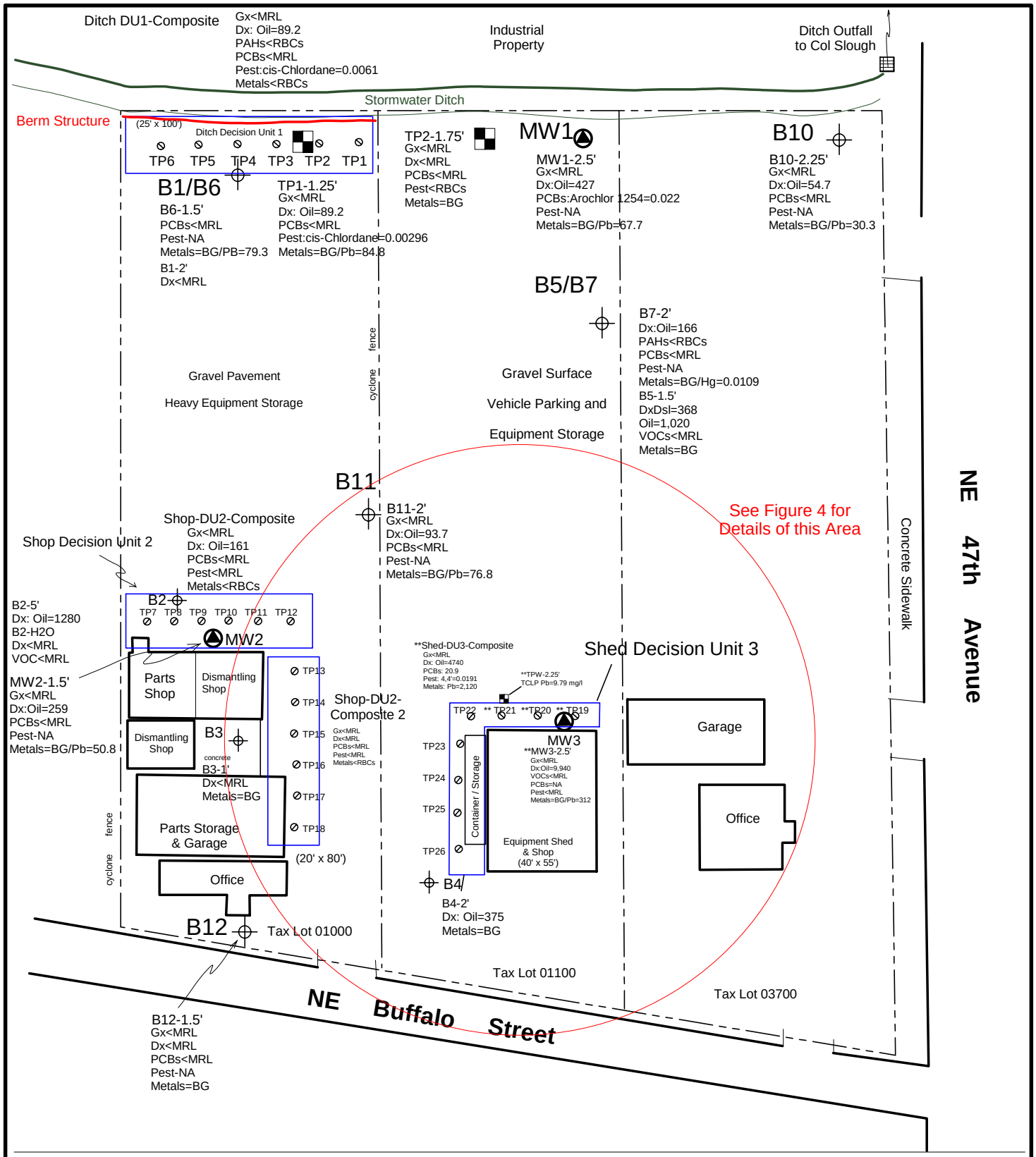
Figure 2: Site Features Aerial Photos Map
Former Airport Auto Salvage Facility
4623 NE Buffalo Street/Portland, OR 97219
DEQ ECSI Site ID #6484

GRANT ASSOCIATES, Inc.
Portland, Oregon
503-234-4299

Drawn By: CRG

Date: 8-13-20

Project No. 2402



Legend

B12 (Gx<MRL, Dx<MRL, PCBs<MRL, Pest-NA, Metals=BG) — Soil Boring Locations with Sample Depths (ft)
(with soil lab results in mg/kg; <MRL=not detected at or above method reporting limit) ; <RBCs = less than Risk-Based Concentrations; BG = Background
** = material overexcavated and disposed at CWM Arlington

TP1 — Test Pit Locations

MW1 — Groundwater Monitoring Well Locations

DU1-TP1 — Incremental Sampling Method Test Pit Composite Sample Location

0 15 30 60

Map Not To Scale
Approximate Scale: 1"= 60'

N

Figure 3 Summary Soil Sample Location
Expanded Baseline Investigation
Former Airport Auto Salvage Property
4623 NE Buffalo Street/Portland, OR 97219
DEQ ECSI Site ID #6484

GRANT ASSOCIATES, Inc.
Portland, Oregon
503-234-4299

Drawn By: CRG

Date: 2-14-24

Project No. 2303-1877

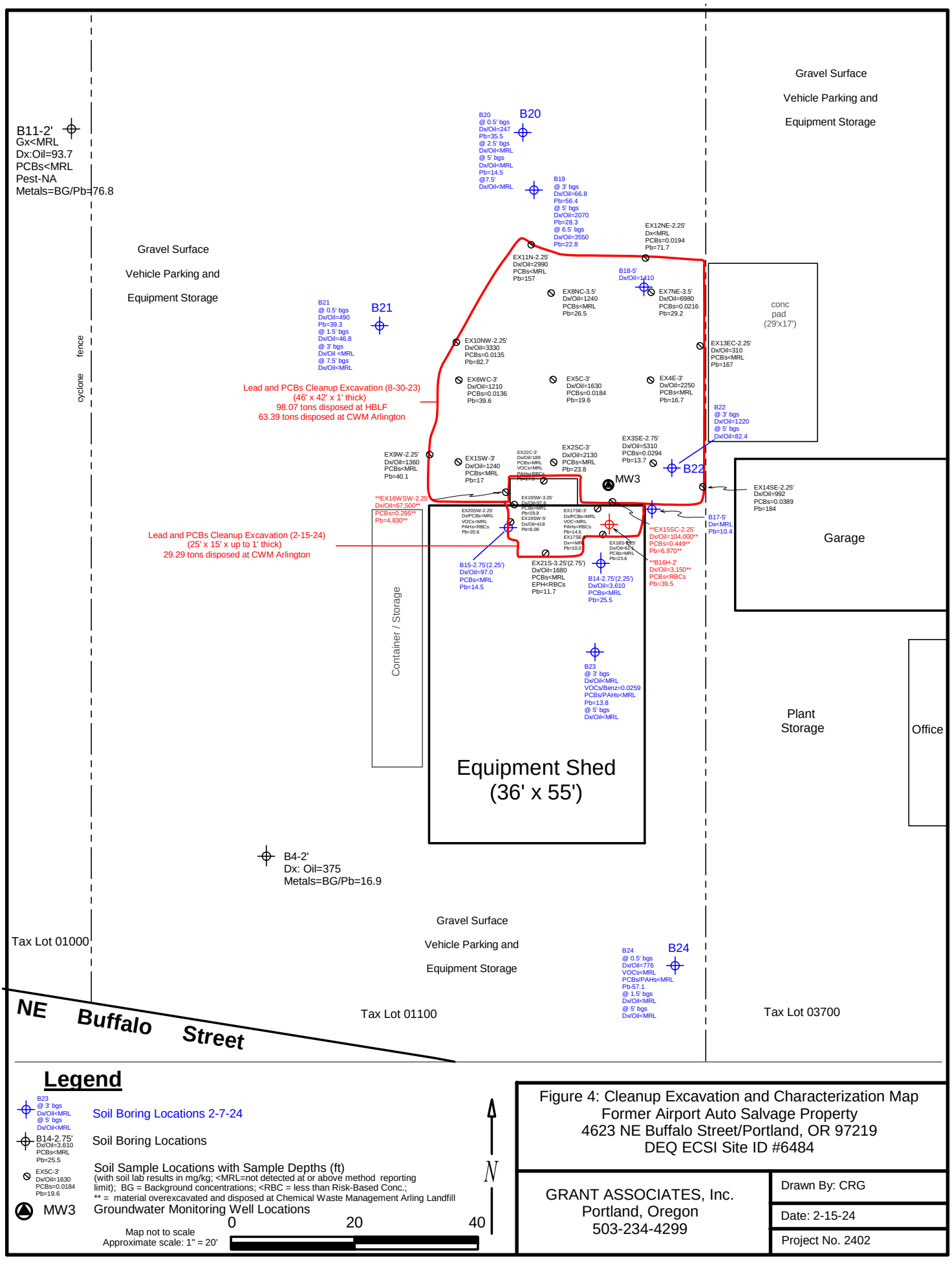


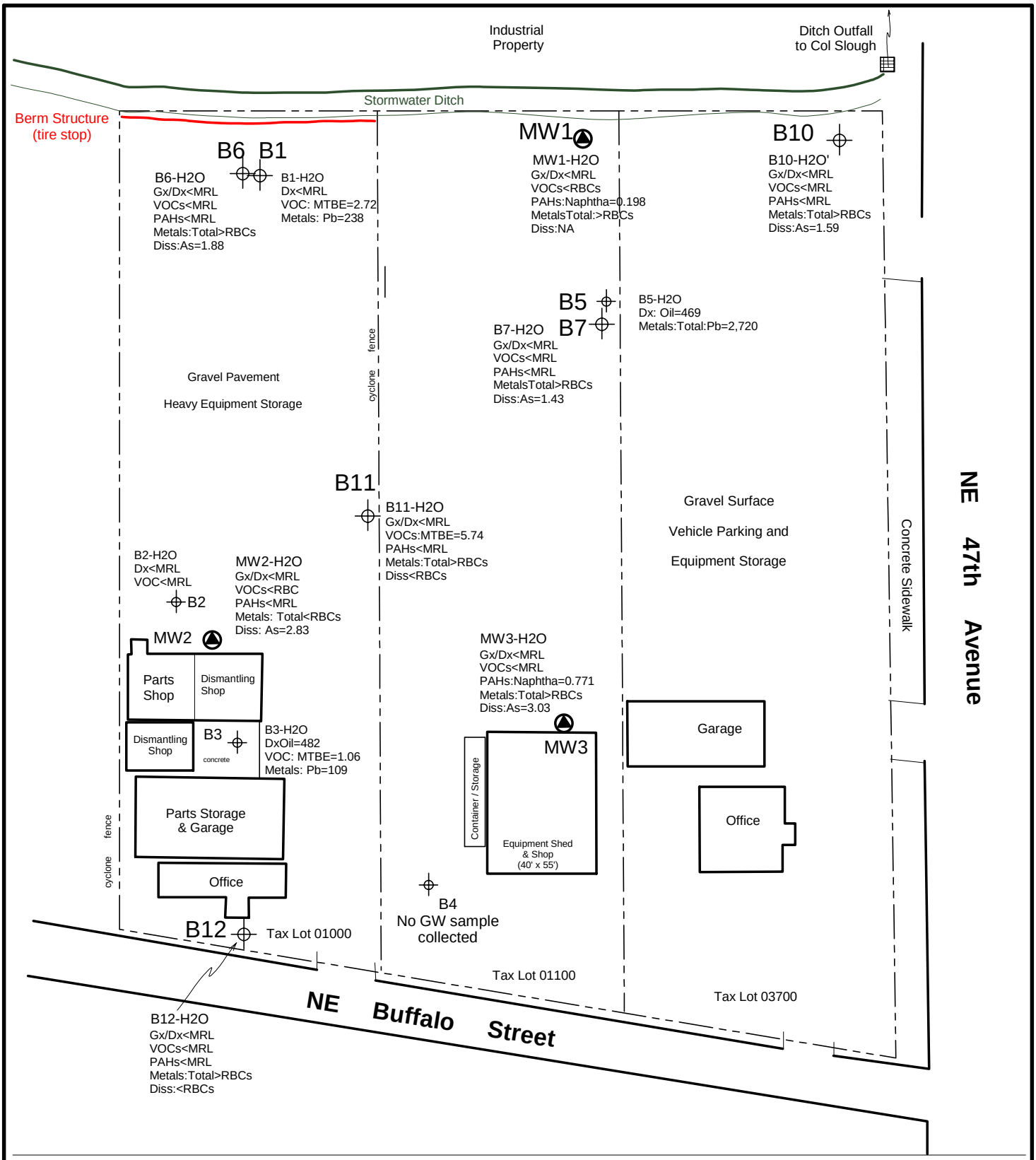
Figure 4: Cleanup Excavation and Characterization Map
Former Airport Auto Salvage Property
4623 NE Buffalo Street/Portland, OR 97219
DEQ ECSI Site ID #6484

GRANT ASSOCIATES, Inc.
Portland, Oregon
503-234-4299

Drawn By: CRG

Date: 2-15-24

Project No. 2402



Legend

B3 B3-H2O DxOil=482 VOC: MTBE=1.06 Metals: Pb=109 — Soil Boring Locations (with groundwater lab results in ugl; <MRL=not detected at or above method reporting limit) ; <RBCs - less than Risk-Based Concentrations

MW3-H2O Gx/Dx<MRL VOCs<MRL PAHs:Naphtha=0.771 Metals:Total>RBCs Diss:As=3.03 — Groundwater Monitoring Well Locations

DU1-TP1 Incremental Sampling Method Test

N

0 15 30 60

Map Not To Scale
Approximate Scale: 1"= 30'

Figure 5 Summary Groundwater Sample Locations Map
Expanded Baseline Investigation
Former Airport Auto Salvage Property
4623 NE Buffalo Street/Portland, OR 97219
DEQ ECSI Site ID #6484

GRANT ASSOCIATES, Inc.
Portland, Oregon
503-234-4299

Drawn By: CRG

Date: 3-30-23

Project No. 2303-1877

Legend

- MW3 — Groundwater Monitoring Well Locations
- B3 — Soil Boring and Groundwater Sample Locations
- Extent of contamination on site

Base Map from Google Earth 2021

N

Figure 6: Former Airport Auto Salvage Facility
Nature and Extent of Contamination
4623 NE Buffalo Street/Portland, OR 97219
DEQ ECSI Site ID #6484

GRANT ASSOCIATES, Inc.
Portland, Oregon
503-234-4299

Drawn By: CRG

Date: 6-7-24

Project No. 2403-ICP

Table 1 - Summary of Analytical Data, Soil

Location ID		B1	B2	B3	B4	B5	B6	B7	B10	B11	B12	B14
Sample ID		B1-2	B2-5	B3-1	B4-2	B5-1.5	B6-1.5'	B7-2'	B10-2.25'	B11-2'	B12-1.5'	B14-2.75'
Date Sampled		7/20/2022	7/20/2022	7/20/2022	7/20/2022	7/20/2022	3/29/2023	3/29/2023	3/30/2023	3/29/2023	3/29/2023	11/22/2023
Depth Sampled (feet)		2	5	1	2	1.5	1.5	2	2.25	2	1.5	2.75
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	<0.00917 (ND)	---	---	---	---	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	<0.0459 (ND)	---	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	<0.0229 (ND)	---	---	---	---	---	---
Ethylbenzene	c, v	---	---	---	---	<0.0229 (ND)	---	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	<0.0459 (ND)	---	---	---	---	---	---
Naphthalene	c, v	---	---	---	---	<0.0917 (ND)	---	<0.0111 (ND)	---	---	---	---
iso-Propylbenzene (cumene)	nc, v	---	---	---	---	<0.0459 (ND)	---	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	<0.0459 (ND)	---	---	---	---	---	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	---	---	<0.0459 (ND)	---	---	---	---	---	---
1,3,5-Trimethylbenzene	nc, v	---	---	---	---	<0.0459 (ND)	---	---	---	---	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	<0.0688 (ND)	---	---	---	---	---	---
Pesticides												
Aldrin	c, v	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
Chlordane	c, v	---	---	---	---	---	0.017	0.01086	<0.00438 (ND)	<0.00556 (ND)	<0.00526 (ND)	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	---	---	---	---	---	0.00849	0.00781	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	---	---	---	---	---	0.0106	<0.00435 (ND)	<0.00219 (ND)	0.00302	<0.00263 (ND)	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.002789 (ND)	<0.00263 (ND)	---
Dieldrin	c, nv	---	---	---	---	---	0.00543	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
Endosulfan (alpha-beta)	nc, v	---	---	---	---	---	<0.00221 (ND)	<0.0087 (ND)	<0.00438 (ND)	<0.00556 (ND)	<0.00526 (ND)	---
Endrin	nc, nv	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
Heptachlor	c, v	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
Heptachlor Epoxide	c, v	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
Hexachlorobenzene	c, v	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	---	---	---	---	---	<0.00221 (ND)	<0.00435 (ND)	<0.00219 (ND)	<0.00278 (ND)	<0.00263 (ND)	---
Toxaphene	c, nv	---	---	---	---	---	<0.0663 (ND)	<0.131 (ND)	<0.0656 (ND)	<0.0834 (ND)	<0.0789 (ND)	---
Metals												
Arsenic	c, nv	---	---	---	---	---	3.31	5	3.29	**16.6**	3.92	---
Barium	nc, nv	---	---	---	---	---	230	115	127	168	171	---
Cadmium	nc, nv	---	---	<0.301 (ND)	<0.233 (ND)	0.358	<0.25 (ND)	<0.229 (ND)	0.294	0.669	<0.284 (ND)	---
Chromium (III)	nc, nv	---	---	26.1	23.4	24.7	19.2	14.2	13.3	18.4	23.1	---
Copper	nc, nv	---	---	---	---	---	20.7	22.6	21	41.6	25.5	---
Lead	NA, nv	---	---	10.2	16.9	16.2	**79.3**	**36.9**	**30.3**	**76.8**	9.25	25.5
Mercury	nc, nv	---	---	---	---	---	<0.1 (ND)	0.109	<0.0989 (ND)	<0.116 (ND)	<0.114 (ND)	---
Silver	nc, nv	---	---	---	---	---	<0.25 (ND)	<0.229 (ND)	<0.247 (ND)	<0.29 (ND)	<0.284 (ND)	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	---	---	---	---	---	<0.0115 (ND)	<0.011 (ND)	<0.011 (ND)	<0.0135 (ND)	<0.0133 (ND)	<0.0143 (ND)
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	<0.0111 (ND)	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	<0.0111 (ND)	---	---	---	---
Benz[a]anthracene	c, v	---	---	---	---	---	---	<0.0111 (ND)	---	---	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	---	---	0.0144	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	0.0141	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	<0.0111 (ND)	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	0.0142	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	<0.0111 (ND)	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	0.0167	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	<0.0111 (ND)	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	0.0122	---	---	---	---
Pyrene	nc, v	---	---	---	---	---	---	0.0273	---	---	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	---	---	---	---	---	---	---	<6.21 (ND)	<8.9 (ND)	<7.54 (ND)	---
Generic Diesel / Heating Oil (DRO)	nc, v	<25 (ND)	<122 (ND)	<27.7 (ND)	<25 (ND)	368	---	<22.1 (ND)	<22.2 (ND)	<27.8 (ND)	<26.3 (ND)	<288 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	51.9	1280	<55.5 (ND)	375	1020	---	166	54.7	93.7	<52.7 (ND)	3610

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).
(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		B15	B16	B17	B18	B19			B20			
Sample ID		B15-2.75'	B16H-2'	B17-5'	B18-5'	B19-3'	B19-5'	B19-6.5'	B20-0.5'	B20-2.5'	B20-5'	B20-7.5'
Date Sampled		11/22/2023	11/22/2023	1/12/2024	1/12/2024	1/12/2024	1/12/2024	1/12/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024
Depth Sampled (feet)		2.75	2	5	5	3	5	6.5	0.5	2.5	5	7.5
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	---	---	---	---	---	<0.0137 (ND)	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	---	---	---	<0.0686 (ND)	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	---	---	---	<0.0343 (ND)	---
Ethylbenzene	c, v	---	---	---	---	---	---	---	---	---	<0.0343 (ND)	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	---	---	---	<0.686 (ND)	---
Naphthalene	c, v	---	---	---	---	---	---	---	---	---	<0.137 (ND)	---
iso-Propylbenzene (cumene)	nc, v	---	---	---	---	---	---	---	---	---	<0.0686 (ND)	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	---	---	---	---	---	<0.0686 (ND)	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	<0.0686 (ND)	---
1,3,5-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	<0.0686 (ND)	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	---	---	---	---	---	<0.103 (ND)	---
Pesticides												
Aldrin	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlordane	c, v	---	---	---	---	---	---	---	---	---	---	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	---	---	---	---	---	---	---	---	---	---	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	c, nv	---	---	---	---	---	---	---	---	---	---	---
Endosulfan (alpha-beta)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Endrin	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	c, v	---	---	---	---	---	---	---	---	---	---	---
Heptachlor Epoxide	c, v	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	---	---	---	---	---	---	---	---	---	---	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Metals												
Arsenic	c, nv	---	---	---	---	---	---	---	---	---	6.14	---
Barium	nc, nv	---	---	---	---	---	---	---	---	---	170	---
Cadmium	nc, nv	---	---	---	---	---	---	---	---	---	<0.279 (ND)	---
Chromium (III)	nc, nv	---	---	---	---	---	---	---	---	---	22.9	---
Copper	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Lead	NA, nv	14.5	**39.5**	10.4	---	**56.4**	28.3	22.8	**35.5**	---	14.5	---
Mercury	nc, nv	---	---	---	---	---	---	---	---	---	<0.11 (ND)	---
Silver	nc, nv	---	---	---	---	---	---	---	---	---	<0.275 (ND)	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	<0.0133 (ND)	0.037	---	---	---	---	---	<0.0116 (ND)	---	---	---
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Benz[a]anthracene	c, v	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Pyrene	nc, v	---	---	---	---	---	---	---	<0.0113 (ND)	---	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Generic Diesel / Heating Oil (DRO)	nc, v	<27.5 (ND)	<29.7 (ND)	<23.4 (ND)	<24 (ND)	<21.8 (ND)	<23.2 (ND)	<124 (ND)	<37.2 (ND)	<22 (ND)	<22.8 (ND)	<24.5 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	97	3150	<46.9 (ND)	1410	66.8	2070	**3550**	247	<44 (ND)	<45.5 (ND)	<49.1 (ND)

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).
(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		B21				B22		B23		B24		
Sample ID		B21-0.5'	B21-1.5'	B21-3'	B21-7.5'	B22-3'	B22-5'	B23-3'	B23-5'	B24-0.5'	B24-1.5'	B24-5'
Date Sampled		2/7/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024	2/7/2024
Depth Sampled (feet)		0.5	1.5	3	7.5	3	5	3	5	0.5	1.5	5
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	---	---	**0.0259**	---	<0.0119 (ND)	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	<0.0892 (ND)	---	<0.0593 (ND)	---	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	<0.0446 (ND)	---	<0.0296 (ND)	---	---
Ethylbenzene	c, v	---	---	---	---	---	---	<0.0446 (ND)	---	<0.0296 (ND)	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	<0.0892 (ND)	---	<0.0593 (ND)	---	---
Naphthalene	c, v	---	---	---	---	---	---	<0.178 (ND)	---	<0.119 (ND)	---	---
iso-Propylbenzene (cumene)	nc, v	---	---	---	---	---	---	<0.0892 (ND)	---	<0.0593 (ND)	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	---	---	<0.0892 (ND)	---	<0.0593 (ND)	---	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	---	---	---	---	<0.0892 (ND)	---	<0.0593 (ND)	---	---
1,3,5-Trimethylbenzene	nc, v	---	---	---	---	---	---	<0.0892 (ND)	---	<0.0593 (ND)	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	---	---	<0.134 (ND)	---	<0.0889 (ND)	---	---
Pesticides												
Aldrin	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlordane	c, v	---	---	---	---	---	---	---	---	---	---	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	---	---	---	---	---	---	---	---	---	---	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	c, nv	---	---	---	---	---	---	---	---	---	---	---
Endosulfan (alpha-beta)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Endrin	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	c, v	---	---	---	---	---	---	---	---	---	---	---
Heptachlor Epoxide	c, v	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	---	---	---	---	---	---	---	---	---	---	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Metals												
Arsenic	c, nv	---	---	---	---	---	---	1.99	---	3.54	---	---
Barium	nc, nv	---	---	---	---	---	---	102	---	100	---	---
Cadmium	nc, nv	---	---	---	---	---	---	<0.288 (ND)	---	<0.227 (ND)	---	---
Chromium (III)	nc, nv	---	---	---	---	---	---	11	---	22.4	---	---
Copper	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Lead	NA, nv	**39.3**	---	---	---	---	---	13.8	---	**57.1**	---	---
Mercury	nc, nv	---	---	---	---	---	---	<0.115 (ND)	---	0.202	---	---
Silver	nc, nv	---	---	---	---	---	---	<0.288 (ND)	---	<0.227 (ND)	---	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	---	---	---	---	---	---	<0.0125 (ND)	---	<0.0103 (ND)	---	---
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Anthracene	nc, v	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Benz[a]anthracene	c, v	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Chrysene	c, nv	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Fluorene	nc, v	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	<0.0127 (ND)	---	<0.0411 (ND)	---	---
Pyrene	nc, v	---	---	---	---	---	---	0.0129	---	<0.0411 (ND)	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Generic Diesel / Heating Oil (DRO)	nc, v	<20 (ND)	<22.8 (ND)	<26.7 (ND)	<27.2 (ND)	<24.7 (ND)	<23.4 (ND)	<24.8 (ND)	<25.2 (ND)	<39.1 (ND)	<20.5 (ND)	<23.1 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	490	46.8	<53.4 (ND)	<54.5 (ND)	1220	82.4	<49.6 (ND)	<50.4 (ND)	776	<41 (ND)	<46.2 (ND)

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).
(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		TL01000-TP1	TL01100-TP2	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TP8	TP9
Sample ID		TL01000-TP1-1.25'	TL01100-TP2-1.75'	DITCH-DU1-TP1-1.5'	DITCH-DU1-TP2-1.25'	DITCH-DU1-TP3-1.25'	DITCH-DU1-TP4-1.25'	DITCH-DU1-TP5-1'	DITCH-DU1-TP6-.5'	SHOP-DU2-TP7-1.25'	SHOP-DU2-TP8-1.25'	SHOP-DU2-TP9-1.25'
Date Sampled		3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023
Depth Sampled (feet)		1.25	1.75	1.5	1.25	1.25	1.25	1	0.5	1.25	1.25	1.25
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	c, v	---	---	---	---	---	---	---	---	---	---	---
iso-Propylbenzene (cumene)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	---	---	---	---	---	---	---
Pesticides												
Aldrin	c, v	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
Chlordane	c, v	0.00296	<0.00474 (ND)	---	---	---	---	---	---	---	---	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
Dieldrin	c, nv	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
Endosulfan (alpha-beta)	nc, v	<0.00498 (ND)	<0.00474 (ND)	---	---	---	---	---	---	---	---	---
Endrin	nc, nv	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
Heptachlor	c, v	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
Heptachlor Epoxide	c, v	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	c, v	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	<0.00249 (ND)	<0.00237 (ND)	---	---	---	---	---	---	---	---	---
Toxaphene	c, nv	<0.0747 (ND)	<0.0711 (ND)	---	---	---	---	---	---	---	---	---
Metals												
Arsenic	c, nv	6.02	5.86	---	---	---	---	---	---	---	---	---
Barium	nc, nv	135	142	---	---	---	---	---	---	---	---	---
Cadmium	nc, nv	1.23	0.275	---	---	---	---	---	---	---	---	---
Chromium (III)	nc, nv	15.2	27.2	---	---	---	---	---	---	---	---	---
Copper	nc, nv	22.5	27.8	---	---	---	---	---	---	---	---	---
Lead	NA, nv	**84.8**	18.4	---	---	---	---	---	---	---	---	---
Mercury	nc, nv	0.156	<0.105 (ND)	---	---	---	---	---	---	---	---	---
Silver	nc, nv	<0.251 (ND)	<0.262 (ND)	---	---	---	---	---	---	---	---	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	<0.0117 (ND)	<0.0124 (ND)	---	---	---	---	---	---	---	---	---
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, v	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Pyrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	<6.63 (ND)	<7.65 (ND)	---	---	---	---	---	---	---	---	---
Generic Diesel / Heating Oil (DRO)	nc, v	<23.7 (ND)	<23.6 (ND)	---	---	---	---	---	---	---	---	---
Generic Mineral Insulating Oil (RRO)	nc, nv	<47.4 (ND)	<47.3 (ND)	---	---	---	---	---	---	---	---	---

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		TP10	TP11	TP12	TP13	TP14	TP15	TP16	TP17	TP18	TP19	TP20
Sample ID		SHOP-DU2-TP10-1.25'	SHOP-DU2-TP11-1.25'	SHOP-DU2-TP12-1'	SHOP-DU2-TP13-1.25'	SHOP-DU2-TP14-1.25'	SHOP-DU2-TP15-1.25'	SHOP-DU2-TP16-1'	SHOP-DU2-TP17-1'	SHOP-DU2-TP18-1'	Shed-DU3-TP19-1.25'	Shed-DU3-TP20-1.25'
Date Sampled		3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023
Depth Sampled (feet)		1.25	1.25	1	1.25	1.25	1.25	1	1	1	1.25	1.25
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	c, v	---	---	---	---	---	---	---	---	---	---	---
iso-Propylbenzene (cumene)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	---	---	---	---	---	---	---
Pesticides												
Aldrin	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlordane	c, v	---	---	---	---	---	---	---	---	---	---	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	---	---	---	---	---	---	---	---	---	---	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	c, nv	---	---	---	---	---	---	---	---	---	---	---
Endosulfan (alpha-beta)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Endrin	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	c, v	---	---	---	---	---	---	---	---	---	---	---
Heptachlor Epoxide	c, v	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	---	---	---	---	---	---	---	---	---	---	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Metals												
Arsenic	c, nv	---	---	---	---	---	---	---	---	---	---	---
Barium	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Cadmium	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Chromium (III)	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Copper	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Lead	NA, nv	---	---	---	---	---	---	---	---	---	---	---
Mercury	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Silver	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	---	---	---	---	---	---	---	---	---	0.0273	0.145
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, v	---	---	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Pyrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Generic Diesel / Heating Oil (DRO)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Generic Mineral Insulating Oil (RRO)	nc, nv	---	---	---	---	---	---	---	---	---	---	---

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).
(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		TP21	TP22	TP23	TP24	TP25	TP26	DU1	DU2		DU3	MW1
Sample ID		Shed-DU3-TP21-1.25'	Shed-DU3-TP22-1.25'	Shed-DU3-TP23-1.25'	Shed-DU3-TP24-1.25'	Shed-DU3-TP25-1.25'	Shed-DU3-TP26-1.25'	DITCH-DU1-Composite	SHOP-DU2-Composite	SHOP-DU2-Composite2	Shed-DU3-Composite	MW1-2.5'
Date Sampled		3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/24/2023	3/26/2023
Depth Sampled (feet)		1.25	1.25	1.25	1.25	1.25	1.25	Comp	Comp	Comp	Comp	2.5
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	c, v	---	---	---	---	---	---	---	---	---	---	---
iso-Propylbenzene (cumene)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	---	---	---	---	---	---	---
Pesticides												
Aldrin	c, v	---	---	---	---	---	---	<0.00233 (ND)	<0.0249 (ND)	<0.00244 (ND)	<0.00265 (ND)	<0.00439 (ND)
Chlordane	c, v	---	---	---	---	---	---	0.01321	<0.00498 (ND)	<0.00488 (ND)	<0.00715 (ND)	<0.00878 (ND)
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	0.0155	<0.00439 (ND)
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	---	---	---	---	---	---	0.0027	<0.00249 (ND)	<0.00244 (ND)	0.0191	<0.00439 (ND)
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	---	---	---	---	---	---	0.00582	<0.00249 (ND)	<0.00244 (ND)	<0.00543 (ND)	0.00803
Dieldrin	c, nv	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	<0.00463 (ND)	<0.00439 (ND)
Endosulfan (alpha-beta)	nc, v	---	---	---	---	---	---	<0.00466 (ND)	<0.00498 (ND)	<0.00488 (ND)	<0.00583 (ND)	<0.00878 (ND)
Endrin	nc, nv	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	<0.00265 (ND)	<0.00439 (ND)
Heptachlor	c, v	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	<0.00265 (ND)	<0.00439 (ND)
Heptachlor Epoxide	c, v	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	<0.00265 (ND)	<0.00439 (ND)
Hexachlorobenzene	c, v	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	<0.00265 (ND)	<0.00439 (ND)
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	<0.00265 (ND)	<0.00439 (ND)
gamma-Hexachlorocyclohexane (Lindane)	c, nv	---	---	---	---	---	---	<0.00233 (ND)	<0.00249 (ND)	<0.00244 (ND)	<0.00265 (ND)	<0.00439 (ND)
Toxaphene	c, nv	---	---	---	---	---	---	<0.0699 (ND)	<0.0746 (ND)	<0.0733 (ND)	<0.145 (ND)	<0.0132 (ND)
Metals												
Arsenic	c, nv	---	---	---	---	---	---	4.22	4.59	4.72	6.2	4.48
Barium	nc, nv	---	---	---	---	---	---	161	159	167	199	89.5
Cadmium	nc, nv	---	---	---	---	---	---	0.614	0.443	0.358	0.611	0.233
Chromium (III)	nc, nv	---	---	---	---	---	---	16.1	20.5	18.8	17.4	12.7
Copper	nc, nv	---	---	---	---	---	---	30.4	41.1	28.8	29.3	18.8
Lead	NA, nv	---	---	---	---	---	---	**37.9**	**58.3**	**40.5**	2120	**67.7**
Mercury	nc, nv	---	---	---	---	---	---	<0.107 (ND)	<0.111 (ND)	<0.115 (ND)	<0.0117 (ND)	<0.0921 (ND)
Silver	nc, nv	---	---	---	---	---	---	<0.267 (ND)	<0.277 (ND)	<0.287 (ND)	<0.292 (ND)	<0.23 (ND)
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	0.0141	0.0157	<0.0132 (ND)	<0.0132 (ND)	<0.014 (ND)	<0.0143 (ND)	<0.0124 (ND)	<0.0124 (ND)	<0.0128 (ND)	0.0209	0.0222
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	<0.012 (ND)	---	---	---	---
Anthracene	nc, v	---	---	---	---	---	---	<0.012 (ND)	---	---	---	---
Benz[a]anthracene	c, v	---	---	---	---	---	---	0.0124	---	---	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	---	---	0.0207	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	0.0252	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	<0.012 (ND)	---	---	---	---
Chrysene	c, nv	---	---	---	---	---	---	0.0183	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	<0.012 (ND)	---	---	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	0.0275	---	---	---	---
Fluorene	nc, v	---	---	---	---	---	---	<0.012 (ND)	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	0.0251	---	---	---	---
Pyrene	nc, v	---	---	---	---	---	---	0.0373	---	---	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	---	---	---	---	---	---	<7.2 (ND)	<7.53 (ND)	<7.7 (ND)	<8.39 (ND)	<5.76 (ND)
Generic Diesel / Heating Oil (DRO)	nc, v	---	---	---	---	---	---	<25.1 (ND)	<25.9 (ND)	<24.2 (ND)	<258 (ND)	<45.6 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	---	---	---	---	---	---	89.2	161	<48.3 (ND)	4740	427

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
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NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).
(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

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BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		MW2	MW3		EX1SW	EX2SC	EX3SE	EX4EC	EX5C	EX6WC	EX7NE	EX8NC
Sample ID		MW2-1.5'	MW3-2.5'	MW3-5'	EX1SW-3'	EX2SC-3'	EX3SE-2.75'	EX4EC-3'	EX5C-3'	EX6WC-3'	EX7NE-3.5'	EX8NC-3.5'
Date Sampled		3/26/2023	3/26/2023	3/26/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023
Depth Sampled (feet)		1.5	2.5	3.5	3	3	2.75	3	3	3	3.5	3.5
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	<0.0145 (ND)	---	---	---	---	---	---	---	---	---
Bromodichloromethane	c, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	<0.145 (ND)	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	<0.724 (ND)	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	<0.145 (ND)	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	<0.724 (ND)	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	<0.362 (ND)	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	<0.724 (ND)	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
Ethylbenzene	c, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
Naphthalene	c, v	0.0225	<0.145 (ND)	---	---	---	---	---	---	---	---	---
iso-Propylbenzene (cumene)	nc, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
1,1,1-Trichloroethane	nc, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	<0.145 (ND)	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
1,3,5-Trimethylbenzene	nc, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
Vinyl chloride	c, v	---	<0.0362 (ND)	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	<0.1086 (ND)	---	---	---	---	---	---	---	---	---
Pesticides												
Aldrin	c, v	<0.00263 (ND)	<0.00266 (ND)	---	---	---	---	---	---	---	---	---
Chlordane	c, v	<0.00526 (ND)	<0.0076 (ND)	---	---	---	---	---	---	---	---	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	<0.00263 (ND)	<0.00906 (ND)	---	---	---	---	---	---	---	---	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	0.00383	<0.00653 (ND)	---	---	---	---	---	---	---	---	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	<0.00263 (ND)	<0.00959 (ND)	---	---	---	---	---	---	---	---	---
Dieldrin	c, nv	<0.00263 (ND)	<0.00586 (ND)	---	---	---	---	---	---	---	---	---
Endosulfan (alpha-beta)	nc, v	<0.00526 (ND)	<0.00973 (ND)	---	---	---	---	---	---	---	---	---
Endrin	nc, nv	<0.00263 (ND)	<0.00799 (ND)	---	---	---	---	---	---	---	---	---
Heptachlor	c, v	<0.00263 (ND)	<0.00266 (ND)	---	---	---	---	---	---	---	---	---
Heptachlor Epoxide	c, v	<0.00263 (ND)	<0.0032 (ND)	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	c, v	<0.00263 (ND)	<0.00266 (ND)	---	---	---	---	---	---	---	---	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	<0.00263 (ND)	<0.00266 (ND)	---	---	---	---	---	---	---	---	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	<0.00263 (ND)	<0.00266 (ND)	---	---	---	---	---	---	---	---	---
Toxaphene	c, nv	<0.0789 (ND)	<0.322 (ND)	---	---	---	---	---	---	---	---	---
Metals												
Arsenic	c, nv	4.84	6.11	---	---	---	---	---	---	---	---	---
Barium	nc, nv	169	203	---	---	---	---	---	---	---	---	---
Cadmium	nc, nv	0.409	0.423	---	---	---	---	---	---	---	---	---
Chromium (III)	nc, nv	19.2	20.6	---	---	---	---	---	---	---	---	---
Copper	nc, nv	35.8	39.8	---	---	---	---	---	---	---	---	---
Lead	NA, nv	**50.8**	312	---	17	23.8	13.7	16.7	19.6	**39.6**	29.2	26.5
Mercury	nc, nv	<0.109 (ND)	<0.118 (ND)	---	---	---	---	---	---	---	---	---
Silver	nc, nv	<0.272 (ND)	<0.294 (ND)	---	---	---	---	---	---	---	---	---
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	<0.0133 (ND)	0.2243	---	<0.0134 (ND)	<0.0144 (ND)	0.0294	<0.0135 (ND)	0.0184	0.0136	0.0216	<0.0134 (ND)
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	<0.0124 (ND)	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Anthracene	nc, v	<0.0124 (ND)	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Benz[a]anthracene	c, v	0.0179	0.0727	---	---	---	---	---	---	---	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	0.0216	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	0.0267	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	<0.0124 (ND)	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Chrysene	c, nv	0.026	0.14	---	---	---	---	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	<0.0124 (ND)	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Fluoranthene	nc, nv	0.0284	0.182	---	---	---	---	---	---	---	---	---
Fluorene	nc, v	<0.0124 (ND)	0.0834	---	---	---	---	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	0.0203	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Pyrene	nc, v	0.0332	<0.0553 (ND)	---	---	---	---	---	---	---	---	---
Styrene	nc, v	---	<0.0724 (ND)	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	<7.92 (ND)	<7.24 (ND)	---	---	---	---	---	---	---	---	---
Generic Diesel / Heating Oil (DRO)	nc, v	<26.5 (ND)	<553 (ND)	<45.3 (ND)	<26.1 (ND)	<27.8 (ND)	<552 (ND)	<26.8 (ND)	<27.9 (ND)	<27.3 (ND)	<264 (ND)	<25.3 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	259	9940	<90.6 (ND)	1240	2130	**5310**	2250	1630	1210	**6980**	439

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).
(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		EX9W	EX10NW	EX11N	EX12NE	EX13EC	EX14SE	EX15SC	EX16WSW	EX17SE		EX18S
Sample ID		EX9W-2.25'	EX10NW-2.25'	EX11N-2.25'	EX12NE-2.25'	EX13EC-2.25'	EX14SE-2.25'	EX15SC-2.25'	EX16WSW-2.25'	EX17SE-3'	EX17SE-5'	EX18S-2.25'
Date Sampled		8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	8/31/2023	2/14/2024	2/14/2024	2/14/2024
Depth Sampled (feet)		2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	3	5	2.25
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents												
Benzene	c, v	---	---	---	---	---	---	---	---	<0.0132 (ND)	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	---	---	---	---	---	---	<0.066 (ND)	---	---
EDC (1,2-dichloroethane)	c, v	---	---	---	---	---	---	---	---	<0.033 (ND)	---	---
Ethylbenzene	c, v	---	---	---	---	---	---	---	---	<0.033 (ND)	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	---	---	---	---	---	---	<0.066 (ND)	---	---
Naphthalene	c, v	---	---	---	---	---	---	---	---	<0.132 (ND)	---	---
iso-Propylbenzene (cumene)	nc, v	---	---	---	---	---	---	---	---	<0.066 (ND)	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	---	---	---	---	---	---	<0.066 (ND)	---	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	<0.066 (ND)	---	---
1,3,5-Trimethylbenzene	nc, v	---	---	---	---	---	---	---	---	<0.066 (ND)	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	---	---	---	---	---	---	<0.099 (ND)	---	---
Pesticides												
Aldrin	c, v	---	---	---	---	---	---	---	---	---	---	---
Chlordane	c, v	---	---	---	---	---	---	---	---	---	---	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	---	---	---	---	---	---	---	---	---	---	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	c, nv	---	---	---	---	---	---	---	---	---	---	---
Endosulfan (alpha-beta)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Endrin	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Heptachlor	c, v	---	---	---	---	---	---	---	---	---	---	---
Heptachlor Epoxide	c, v	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	---	---	---	---	---	---	---	---	---	---	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	---	---	---	---	---	---	---	---	---	---	---
Toxaphene	c, nv	---	---	---	---	---	---	---	---	---	---	---
Metals												
Arsenic	c, nv	---	---	---	---	---	---	---	---	3.98	---	3.94
Barium	nc, nv	---	---	---	---	---	---	---	---	185	---	158
Cadmium	nc, nv	---	---	---	---	---	---	---	---	0.336	---	0.318
Chromium (III)	nc, nv	---	---	---	---	---	---	---	---	19.6	---	18.6
Copper	nc, nv	---	---	---	---	---	---	---	---	---	---	---
Lead	NA, nv	**40.1**	**82.7**	**157**	**71.7**	**167**	**184**	6970	4830	14.6	10	23.6
Mercury	nc, nv	---	---	---	---	---	---	---	---	<0.115 (ND)	---	<0.12 (ND)
Silver	nc, nv	---	---	---	---	---	---	---	---	<0.289 (ND)	---	<0.3 (ND)
Semivolatile Organic Constituents												
Polychlorinated biphenyls (Total PCBs)	c, v	<0.0132 (ND)	0.0135	<0.0114 (ND)	0.0194	<0.011 (ND)	0.0389	0.449	0.295	<0.0124 (ND)	<0.0135 (ND)	<0.0126 (ND)
Polycyclic Aromatic Hydrocarbons												
Acenaphthene	nc, v	---	---	---	---	---	---	---	---	<0.0124 (ND)	---	---
Anthracene	nc, v	---	---	---	---	---	---	---	---	<0.0124 (ND)	---	---
Benz[a]anthracene	c, v	---	---	---	---	---	---	---	---	<0.0124 (ND)	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	---	---	---	---	0.0139	---	---
Benzo[b]fluoranthene	c, nv	---	---	---	---	---	---	---	---	0.0205	---	---
Benzo[k]fluoranthene	c, nv	---	---	---	---	---	---	---	---	<0.0124 (ND)	---	---
Chrysene	c, nv	---	---	---	---	---	---	---	---	<0.0206 (ND)	---	---
Dibenz[a,h]anthracene	c, nv	---	---	---	---	---	---	---	---	<0.0124 (ND)	---	---
Fluoranthene	nc, nv	---	---	---	---	---	---	---	---	0.0294	---	---
Fluorene	nc, v	---	---	---	---	---	---	---	---	<0.0124 (ND)	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	---	---	---	---	0.013	---	---
Pyrene	nc, v	---	---	---	---	---	---	---	---	0.0137	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons												
Generic Gasoline (GRO)	nc, v	---	---	---	---	---	---	---	---	---	---	---
Generic Diesel / Heating Oil (DRO)	nc, v	<26.5 (ND)	<116 (ND)	<120 (ND)	<24.3 (ND)	<23.2 (ND)	<28.3 (ND)	<1460 (ND)	<1260 (ND)	<24.1 (ND)	<26.6 (ND)	<24.2 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	1360	**3330**	**2990**	<48.6 (ND)	310	992	104000	67500	<48.3 (ND)	<53.2 (ND)	61.1

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).
(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID		EX19SW		EX20W	EX21S	EX22C	SS1		SS2	SS3	SS4
Sample ID		EX19SW-3.25'	EX19SW-5'	EX20SW-2.25'	EX21S-3.25'	EX22C-3'	SS1	SS1	SS2	SS3	SS4
Date Sampled		2/14/2024	2/14/2024	2/14/2024	2/15/2024	2/15/2024	2/15/2024	8/30/2023	8/30/2023	8/30/2023	8/30/2023
Depth Sampled (feet)		3.25	5	2.25	3.25	3	Soil Stockpile		Soil Stockpile	Soil Stockpile	Soil Stockpile
Sampled By		GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA	GAA
Constituent of Interest	Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)
Volatile Organic Constituents											
Benzene	c, v	---	---	<0.0144 (ND)	---	<0.0139 (ND)	---	---	---	---	---
Bromodichloromethane	c, v	---	---	---	---	---	---	---	---	---	---
Bromoform	c, v	---	---	---	---	---	---	---	---	---	---
Bromomethane	nc, v	---	---	---	---	---	---	---	---	---	---
Carbon tetrachloride	c, v	---	---	---	---	---	---	---	---	---	---
Chlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	---	---	---	---	---	---
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	---	---	---	---	---	---
Chloroform	c, v	---	---	---	---	---	---	---	---	---	---
Chloromethane	nc, v	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	nc, v	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethane	c, v	---	---	---	---	---	---	---	---	---	---
1,1-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---
cis-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---
trans-1,2-Dichloroethene	nc, v	---	---	---	---	---	---	---	---	---	---
Dichloromethane	c, v	---	---	---	---	---	---	---	---	---	---
EDB (1,2-dibromoethane)	c, v	---	---	<0.072 (ND)	---	<0.0693 (ND)	---	---	---	---	---
EDC (1,2-dichloroethane)	c, v	---	---	<0.036 (ND)	---	<0.0346 (ND)	---	---	---	---	---
Ethylbenzene	c, v	---	---	<0.036 (ND)	---	<0.0346 (ND)	---	---	---	---	---
MTBE (methyl t-butyl ether)	c, v	---	---	<0.072 (ND)	---	<0.0693 (ND)	---	---	---	---	---
Naphthalene	c, v	---	---	<0.144 (ND)	---	<0.139 (ND)	---	---	---	---	---
iso-Propylbenzene (cumene)	nc, v	---	---	<0.072 (ND)	---	<0.0693 (ND)	---	---	---	---	---
Tetrachloroethene (PCE)	c, v	---	---	---	---	---	---	---	---	---	---
Toluene	nc, v	---	---	<0.072 (ND)	---	<0.0693 (ND)	---	---	---	---	---
1,1,1-Trichloroethane	nc, v	---	---	---	---	---	---	---	---	---	---
1,1,2-Trichloroethane	c, v	---	---	---	---	---	---	---	---	---	---
Trichloroethene	NA, v	---	---	---	---	---	---	---	---	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	---	---	---	---	---	---
1,2,4-Trimethylbenzene	nc, v	---	---	<0.072 (ND)	---	<0.0693 (ND)	---	---	---	---	---
1,3,5-Trimethylbenzene	nc, v	---	---	<0.072 (ND)	---	<0.0693 (ND)	---	---	---	---	---
Vinyl chloride	c, v	---	---	---	---	---	---	---	---	---	---
Xylenes	nc, v	---	---	<0.108 (ND)	---	<0.104 (ND)	---	---	---	---	---
Pesticides											
Aldrin	c, v	---	---	---	---	---	---	---	---	---	---
Chlordane	c, v	---	---	---	---	---	---	---	---	---	---
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	---	---	---	---	---	---	---	---	---	---
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	---	---	---	---	---	---	---	---	---	---
Dieldrin	c, nv	---	---	---	---	---	---	---	---	---	---
Endosulfan (alpha-beta)	nc, v	---	---	---	---	---	---	---	---	---	---
Endrin	nc, nv	---	---	---	---	---	---	---	---	---	---
Heptachlor	c, v	---	---	---	---	---	---	---	---	---	---
Heptachlor Epoxide	c, v	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	c, v	---	---	---	---	---	---	---	---	---	---
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	---	---	---	---	---	---	---	---	---	---
gamma-Hexachlorocyclohexane (Lindane)	c, nv	---	---	---	---	---	---	---	---	---	---
Toxaphene	c, nv	---	---	---	---	---	---	---	---	---	---
Metals											
Arsenic	c, nv	5.04	---	3.8	4	4.67	<1.16 (ND)	<0.1 (ND)	<0.1 (ND)	<0.1 (ND)	<0.1 (ND)
Barium	nc, nv	182	---	181	212	182	52.4	<5 (ND)	<5 (ND)	<5 (ND)	<5 (ND)
Cadmium	nc, nv	0.287	---	<0.279 (ND)	<0.276 (ND)	<0.301 (ND)	<0.232 (ND)	<0.1 (ND)	<0.1 (ND)	<0.1 (ND)	<0.1 (ND)
Chromium (III)	nc, nv	22.4	---	20.3	23.9	22	2.49	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)
Copper	nc, nv	---	---	---	---	---	---	---	---	---	---
Lead	NA, nv	29.8	8.08	20.6	11.7	17.6	26.9	1	54.1	<0.05 (ND)	0.369
Mercury	nc, nv	<0.108 (ND)	---	<0.112 (ND)	<0.111 (ND)	<0.12 (ND)	<0.0927 (ND)	<0.007 (ND)	<0.007 (ND)	<0.007 (ND)	<0.007 (ND)
Silver	nc, nv	<0.27 (ND)	---	<0.279 (ND)	<0.276 (ND)	<1.51 (ND)	<0.232 (ND)	<0.1 (ND)	<0.1 (ND)	<0.1 (ND)	<0.1 (ND)
Semivolatile Organic Constituents											
Polychlorinated biphenyls (Total PCBs)	c, v	<0.0123 (ND)	<0.0133 (ND)	<0.0123 (ND)	<0.0118 (ND)	<0.0125 (ND)	<0.00878 (ND)	---	---	---	---
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	nc, v	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Anthracene	nc, v	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Benz[a]anthracene	c, v	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Benzo[b]fluoranthene	c, nv	---	---	0.0192	---	0.0165	---	---	---	---	---
Benzo[k]fluoranthene	c, nv	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Chrysene	c, nv	---	---	0.0229	---	0.0188	---	---	---	---	---
Dibenz[a,h]anthracene	c, nv	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Fluoranthene	nc, nv	---	---	0.03	---	0.0227	---	---	---	---	---
Fluorene	nc, v	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Indeno[1,2,3-cd]pyrene	c, nv	---	---	<0.0121 (ND)	---	<0.0121 (ND)	---	---	---	---	---
Pyrene	nc, v	---	---	0.026	---	0.0226	---	---	---	---	---
Styrene	nc, v	---	---	---	---	---	---	---	---	---	---
Total Petroleum Hydrocarbons											
Generic Gasoline (GRO)	nc, v	---	---	---	---	---	---	---	---	---	---
Generic Diesel / Heating Oil (DRO)	nc, v	<23.7 (ND)	<26.3 (ND)	<24.9 (ND)	<22.7 (ND)	<23.3 (ND)	<18.3 (ND)	<447 (ND)	<1180 (ND)	<28.6 (ND)	<1150 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	97.6	418	<49.7 (ND)	1680	189	62.3	23400	133000	2510	75100

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 1 - Summary of Analytical Data, Soil

Location ID / Sample ID / Date Sampled / Depth Sampled (feet) / Sampled By	Note	Maximum Soil Concentration (remaining soil)	ODEQs Screening-Level Risk-Based Concentrations SLRBCs[1] (Soil)	Background Concentrations (Regional Default)	Exceeds ODEQs Screening-Level SLRBCs (Soil) and/ Regional Background Concentrations
				Portland Basin	TRUE OR Y FALSE OR N
Constituent of Interest		mg/Kg (ppm)			
Volatile Organic Constituents					
Benzene	c, v	<0.0259 (ND)	0.023	---	Y
Bromodichloromethane	c, v	---	0.002	---	---
Bromoform	c, v	---	0.046	---	---
Bromomethane	nc, v	---	0.083	---	---
Carbon tetrachloride	c, v	---	0.013	---	---
Chlorobenzene	nc, v	---	5.8	---	---
Chlorodibromomethane (dibromochloromethane)	c, v	---	0.0024	---	---
Chloroethane (ethyl chloride)	nc, v	---	310	---	---
Chloroform	c, v	---	0.0034	---	---
Chloromethane	nc, v	---	2.2	---	---
1,2-Dichlorobenzene	nc, v	---	36	---	---
1,4-Dichlorobenzene	c, v	---	0.057	---	---
1,1-Dichloroethane	c, v	---	0.044	---	---
1,1-Dichloroethene	nc, v	---	6.7	---	---
cis-1,2-Dichloroethene	nc, v	---	0.63	---	---
trans-1,2-Dichloroethene	nc, v	---	7.0	---	---
Dichloromethane	c, v	---	0.14	---	---
EDB (1,2-dibromoethane)	c, v	<0.0892 (ND)	0.00012	---	(Y)
EDC (1,2-dichloroethane)	c, v	<0.0446 (ND)	0.0028	---	(Y)
Ethylbenzene	c, v	<0.0446 (ND)	0.22	---	N
MTBE (methyl t-butyl ether)	c, v	<0.686 (ND)	0.11	---	(Y)
Naphthalene	c, v	0.0225	0.077	---	N
iso-Propylbenzene (cumene)	nc, v	<0.0892 (ND)	96	---	N
Tetrachloroethene (PCE)	c, v	---	0.46	---	---
Toluene	nc, v	<0.0892 (ND)	83	---	N
1,1,1-Trichloroethane	nc, v	---	190	---	(Y)
1,1,2-Trichloroethane	c, v	---	0.0063	---	---
Trichloroethene	NA, v	---	0.013	---	---
Trichlorofluoromethane (Freon 11)	nc, v	---	61	---	---
1,2,4-Trimethylbenzene	nc, v	<0.0892 (ND)	10	---	N
1,3,5-Trimethylbenzene	nc, v	<0.0892 (ND)	11	---	N
Vinyl chloride	c, v	---	0.00057	---	---
Xylenes	nc, v	<0.134 (ND)	23	---	N
Pesticides					
Aldrin	c, v	<0.0249 (ND)	0.023	---	(Y)
Chlordane	c, v	0.017	0.91	---	N
DDD (4,4'-Dichlorodiphenyldichloroethane)	c, nv	0.00849	1.1	---	N
DDE (4,4'-Dichlorodiphenyldichloroethene)	c, v	0.0106	1.6	---	N
DDT (4,4'-Dichlorodiphenyltrichloroethane)	c, nv	0.00803	1.9	---	N
Dieldrin	c, nv	0.00543	0.01	---	N
Endosulfan (alpha-beta)	nc, v	<0.00878 (ND)	200	---	N
Endrin	nc, nv	<0.00439 (ND)	11	---	N
Heptachlor	c, v	<0.00439 (ND)	0.017	---	N
Heptachlor Epoxide	c, v	<0.00439 (ND)	0.0042	---	(Y)
Hexachlorobenzene	c, v	<0.00439 (ND)	0.018	---	N
alpha-Hexachlorocyclohexane (alpha-HCH)	c, nv	<0.00439 (ND)	0.0063	---	N
gamma-Hexachlorocyclohexane (Lindane)	c, nv	<0.00439 (ND)	0.036	---	N
Toxaphene	c, nv	<0.131 (ND)	0.36	---	N
Metals					
Arsenic	c, nv	16.6	0.43	8.8	Y
Barium	nc, nv	230	15000	790	N
Cadmium	nc, nv	<1.23 (ND)	78	0.63	N
Chromium (III)	nc, nv	27.2	120000	76	N
Copper	nc, nv	41.6	3100	34	N
Lead	NA, nv	184	30	28	Y
Mercury	nc, nv	0.202	23	0.23	N
Silver	nc, nv	<1.51 (ND)	390	0.82	N
Semivolatile Organic Constituents					
Polychlorinated biphenyls (Total PCBs)	c, v	0.0389	0.23	---	N
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	nc, v	<0.0411 (ND)	770	---	N
Anthracene	nc, v	<0.0411 (ND)	8200	---	N
Benz[a]anthracene	c, v	0.0179	1.1	---	N
Benzo[a]pyrene (BaP equivalents)	c, nv	0.0216	0.11	---	N
Benzo[b]fluoranthene	c, nv	0.0267	1.1	---	N
Benzo[k]fluoranthene	c, nv	<0.0411 (ND)	11	---	N
Chrysene	c, nv	0.026	110	---	N
Dibenz[a,h]anthracene	c, nv	<0.0411 (ND)	0.11	---	N
Fluoranthene	nc, nv	0.03	2400	---	N
Fluorene	nc, v	<0.0411 (ND)	770	---	N
Indeno[1,2,3-cd]pyrene	c, nv	0.0251	1.1	---	N
Pyrene	nc, v	0.0373	1800	---	N
Styrene	nc, v	---	170	---	---
Total Petroleum Hydrocarbons					
Generic Gasoline (GRO)	nc, v	<8.9 (ND)	31	---	N
Generic Diesel / Heating Oil (DRO)	nc, v	368	1100	---	N
Generic Mineral Insulating Oil (RRO)	nc, nv	6980	2800	---	CA

Notes:
mg/Kg = milligram per kilogram or parts per million (ppm).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Shaded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for soil (screening level assumes residential use, from ODEQ RBCs dated May 2018).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

Pink shaded cells in table indicate sampled location has been subsequently removed to appropriate waste disposal/recycling location and no longer represents current conditions.

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.
BKG = constituent exceeded its SLRBC; however, was not detected above default background concentrations in soil

Table 2 - Summary of Analytical Data, Reconnaissance and Monitoring Well Ground Water

Location ID		B1	B2	B3	B5	B6	B7	B10	B11
Sample ID		B1-H20	B2-H20	B3-H20	B5-H20	B6-H2O	B7-H2O	B10-H2O	B11-H2O
Date Sampled		7/20/22	7/20/22	7/20/22	7/20/22	3/30/23	3/30/23	3/30/23	3/30/23
Sampled By		CG	CG	CG	CG	CG	CG	CG	CG
Constituent of Interest	Note	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)
Volatile Organic Constituents									
Acrylonitrile	c, v	---	---	---	---	<2 (ND)	<2 (ND)	<2 (ND)	<2 (ND)
Benzene	c, v	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)	---	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)
Bromodichloromethane	c, v	---	---	---	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Bromoform	c, v	---	---	---	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Bromomethane	nc, v	---	---	---	---	<5 (ND)	<5 (ND)	<5 (ND)	<5 (ND)
Carbon tetrachloride	c, v	---	---	---	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Chlorobenzene	nc, v	---	---	---	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
Chlorodibromomethane (dibromochloromethane)	c, v	---	---	---	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Chloroethane (ethyl chloride)	nc, v	---	---	---	---	<5 (ND)	<5 (ND)	<5 (ND)	<5 (ND)
Chloroform	c, v	---	---	---	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Chloromethane	nc, v	---	---	---	---	<5 (ND)	<5 (ND)	<5 (ND)	<5 (ND)
1,2-Dichlorobenzene	nc, v	---	---	---	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
1,4-Dichlorobenzene	c, v	---	---	---	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
1,1-Dichloroethane	c, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
1,1-Dichloroethene	nc, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
cis-1,2-Dichloroethene	nc, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
trans-1,2-Dichloroethene	nc, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Dichloromethane	c, v	---	---	---	---	<10 (ND)	<10 (ND)	<10 (ND)	<10 (ND)
EDB (1,2-dibromoethane)	c, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
EDC (1,2-dichloroethane)	c, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Ethylbenzene	c, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
MTBE (methyl t-butyl ether)	c, v	2.72	<1 (ND)	1.06	---	<1 (ND)	<1 (ND)	<1 (ND)	5.74
Naphthalene	c, v	<2 (ND)	<2 (ND)	<2 (ND)	---	<2 (ND)	<2 (ND)	<2 (ND)	<2 (ND)
iso-Propylbenzene (cumene)	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Tetrachloroethene (PCE)	c, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Toluene	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
1,1,1-Trichloroethane	nc, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
1,1,2-Trichloroethane	c, v	---	---	---	---	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
Trichloroethene	NA, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Trichlorofluoromethane (Freon 11)	nc, v	---	---	---	---	<2 (ND)	<2 (ND)	<2 (ND)	<2 (ND)
1,2,4-Trimethylbenzene	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
1,3,5-Trimethylbenzene	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Vinyl chloride	c, v	---	---	---	---	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Xylenes	nc, v	<1.5 (ND)	<1.5 (ND)	<1.5 (ND)	---	<1.5 (ND)	<1.5 (ND)	<1.5 (ND)	<1.5 (ND)
Metals (Dissolved)									
Arsenic (Dissolved)		---	---	---	---	1.88	1.43	1.59	<1 (ND)
Barium (Dissolved)		---	---	---	---	35.1	28.9	22.9	35.3
Cadmium (Dissolved)		---	---	---	---	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)
Chromium (Dissolved)		---	---	---	---	<2 (ND)	<2 (ND)	<2 (ND)	<2 (ND)
Copper (Dissolved)		---	---	---	---	<2 (ND)	3.39	<2 (ND)	<2 (ND)
Lead (Dissolved)		---	---	---	---	<0.2 (ND)	0.474	<0.2 (ND)	<0.2 (ND)
Mercury (Dissolved)		---	---	---	---	<0.08 (ND)	<0.08 (ND)	<0.08 (ND)	<0.08 (ND)
Silver (Dissolved)		---	---	---	---	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)
Semivolatile Organic Constituents									
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	nc, v	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.0465 (ND)
Anthracene	nc, v	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.0465 (ND)
Benz[a]anthracene	c, v	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Benzo[a]pyrene (BaP equivalents)	c, nv	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Benzo[b]fluoranthene	c, nv	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Benzo[k]fluoranthene	c, nv	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Chrysene	c, nv	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Dibenz[a,h]anthracene	c, nv	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Fluoranthene	nc, nv	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Fluorene	nc, v	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Indeno[1,2,3-cd]pyrene	c, nv	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Pyrene	nc, v	---	---	---	---	<0.0408 (ND)	<0.0426 (ND)	<0.043 (ND)	<0.465 (ND)
Styrene	nc, v	---	---	---	---	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Total Petroleum Hydrocarbons									
Generic Gasoline (GRO)	nc, v	---	---	---	---	<100 (ND)	<100 (ND)	<100 (ND)	<100 (ND)
Generic Diesel / Heating Oil (DRO)	nc, v	<213 (ND)	<208 (ND)	<204 (ND)	<217 (ND)	<247 (ND)	<202 (ND)	<238 (ND)	<247 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	<426 (ND)	<417 (ND)	**482**	**469**	<494 (ND)	<404 (ND)	<476 (ND)	<494 (ND)

Notes:
ug/L = micrograms per Liter or parts per billion (ppb).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
[1] Lowest Risk-Based Concentration for ground water (screening level assumes residential use, from ODEQ RBCs dated May 2018).
[2] Default background concentration for metals (Freshwater), ODEQ October 28, 2002.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Bolded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for ground water (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

Y = maximum concentration exceeds screening criteria and background and it tentatively identified as a Constituent of Potential Concern

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.

Table 2 - Summary of Analytical Data, Reconnaissance and Monitoring Well Ground Water

Location ID		B12	MW1	MW2	MW3
Sample ID		B12-H2O	MW1-H2O	MW2-H2O	MW3-H2O
Date Sampled		3/30/23	3/30/23	3/30/23	3/30/23
Sampled By		CG	CG	CG	CG
Constituent of Interest	Note	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)	µg/L (ppb)
Volatile Organic Constituents					
Acrylonitrile	c, v	<2 (ND)	<2 (ND)	<2 (ND)	<2 (ND)
Benzene	c, v	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)	<0.2 (ND)
Bromodichloromethane	c, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Bromoform	c, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Bromomethane	nc, v	<5 (ND)	<5 (ND)	<5 (ND)	<5 (ND)
Carbon tetrachloride	c, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Chlorobenzene	nc, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
Chlorodibromomethane (dibromochloromethane)	c, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Chloroethane (ethyl chloride)	nc, v	<5 (ND)	<5 (ND)	<5 (ND)	<5 (ND)
Chloroform	c, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Chloromethane	nc, v	<5 (ND)	<5 (ND)	6.89	<5 (ND)
1,2-Dichlorobenzene	nc, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
1,4-Dichlorobenzene	c, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
1,1-Dichloroethane	c, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
1,1-Dichloroethene	nc, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
cis-1,2-Dichloroethene	nc, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
trans-1,2-Dichloroethene	nc, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Dichloromethane	c, v	<10 (ND)	<10 (ND)	<10 (ND)	<10 (ND)
EDB (1,2-dibromoethane)	c, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
EDC (1,2-dichloroethane)	c, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Ethylbenzene	c, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
MTBE (methyl t-butyl ether)	c, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Naphthalene	c, v	<2 (ND)	<2 (ND)	<2 (ND)	<2 (ND)
iso-Propylbenzene (cumene)	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Tetrachloroethene (PCE)	c, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Toluene	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
1,1,1-Trichloroethane	nc, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
1,1,2-Trichloroethane	c, v	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)	<0.5 (ND)
Trichloroethene	NA, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Trichlorofluoromethane (Freon 11)	nc, v	<2 (ND)	<2 (ND)	<2 (ND)	<2 (ND)
1,2,4-Trimethylbenzene	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
1,3,5-Trimethylbenzene	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Vinyl chloride	c, v	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)	<0.4 (ND)
Xylenes	nc, v	<1.5 (ND)	<1.5 (ND)	<1.5 (ND)	<1.5 (ND)
Metals (Dissolved)					
Arsenic (Dissolved)		<1 (ND)	---	2.83	**3.03**
Barium (Dissolved)		24	---	46.9	125
Cadmium (Dissolved)		<0.2 (ND)	---	<0.2 (ND)	<0.2 (ND)
Chromium (Dissolved)		<2 (ND)	---	<2 (ND)	<2 (ND)
Copper (Dissolved)		<2 (ND)	---	<2 (ND)	<2 (ND)
Lead (Dissolved)		<0.2 (ND)	---	<0.2 (ND)	<0.2 (ND)
Mercury (Dissolved)		<0.08 (ND)	---	<0.08 (ND)	<0.08 (ND)
Silver (Dissolved)		<0.2 (ND)	---	<0.2 (ND)	<0.2 (ND)
Semivolatile Organic Constituents					
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	nc, v	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Anthracene	nc, v	<0.0408 (ND)	<0.276 (ND)	<0.0421 (ND)	---
Benz[a]anthracene	c, v	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Benzo[a]pyrene (BaP equivalents)	c, nv	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Benzo[b]fluoranthene	c, nv	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Benzo[k]fluoranthene	c, nv	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Chrysene	c, nv	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Dibenz[a,h]anthracene	c, nv	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Fluoranthene	nc, nv	<0.0408 (ND)	<0.276 (ND)	<0.0421 (ND)	<0.17 (ND)
Fluorene	nc, v	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	0.054
Indeno[1,2,3-cd]pyrene	c, nv	<0.0408 (ND)	<0.069 (ND)	<0.0421 (ND)	<0.0426 (ND)
Pyrene	nc, v	<0.0408 (ND)	<0.276 (ND)	<0.0421 (ND)	<0.17 (ND)
Styrene	nc, v	<1 (ND)	<1 (ND)	<1 (ND)	<1 (ND)
Total Petroleum Hydrocarbons					
Generic Gasoline (GRO)	nc, v	<100 (ND)	---	<100 (ND)	<100 (ND)
Generic Diesel / Heating Oil (DRO)	nc, v	<200 (ND)	---	<213 (ND)	<235 (ND)
Generic Mineral Insulating Oil (RRO)	nc, nv	<400 (ND)	---	<426 (ND)	<471 (ND)

Notes:
ug/L = micrograms per Liter or parts per billion (ppb).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
[1] Lowest Risk-Based Concentration for ground water (screening level assumes residential use, from ODEQ RBCs dated May 2018).
[2] Default background concentration for metals (Freshwater), ODEQ October 28, 2002.
— = not analyzed or not applicable.
c = carcinogenic
nc = noncarcinogenic
v = volatile
nv = nonvolatile
GRO = gasoline-range organics.
DRO = diesel-range organics.
RRO = residual-range organics.

Bolded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for ground water (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

Y = maximum concentration exceeds screening criteria and background and it tentatively identified as a Constituent of Potential Concern

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.

Table 2 - Summary of Analytical Data, Reconnaissance and Monitoring Well Ground Water

Location ID / Sample ID / Date Sampled / Sampled By Constituent of Interest	Note	Maximum Ground Water Concentration	ODEQs Screening-level Risk-Based Concentrations (SLRBCs)[1]	Background (Surface Water) Concentrations (metals)[2]	Exceeds Surface Water Background Concentration (metals)? TRUE OR Y FALSE OR N	Potential COPC? TRUE OR Y FALSE OR N
		µg/L (ppb)				
Volatile Organic Constituents						
Acrylonitrile	c, v	<2 (ND)	0.052	NE	N	(Y)
Benzene	c, v	<0.2 (ND)	0.46	NE	N	N
Bromodichloromethane	c, v	<1 (ND)	0.13	NE	N	(Y)
Bromoform	c, v	<1 (ND)	3.3	NE	N	N
Bromomethane	nc, v	<5 (ND)	7.5	NE	N	N
Carbon tetrachloride	c, v	<1 (ND)	0.46	NE	N	(Y)
Chlorobenzene	nc, v	<0.5 (ND)	77	NE	N	N
Chlorodibromomethane (dibromochloromethane)	c, v	<1 (ND)	0.17	NE	N	(Y)
Chloroethane (ethyl chloride)	nc, v	<5 (ND)	21000	NE	N	N
Chloroform	c, v	<1 (ND)	0.22	NE	N	(Y)
Chloromethane	nc, v	6.89	190	NE	N	N
1,2-Dichlorobenzene	nc, v	<0.5 (ND)	300	NE	N	N
1,4-Dichlorobenzene	c, v	<0.5 (ND)	0.48	NE	N	(Y)
1,1-Dichloroethane	c, v	<0.4 (ND)	2.8	NE	N	N
1,1-Dichloroethene	nc, v	<0.4 (ND)	280	NE	N	N
cis-1,2-Dichloroethene	nc, v	<0.4 (ND)	36	NE	N	N
trans-1,2-Dichloroethene	nc, v	<0.4 (ND)	360	NE	N	N
Dichloromethane	c, v	<10 (ND)	11	NE	N	N
EDB (1,2-dibromoethane)	c, v	<0.5 (ND)	0.0075	NE	N	(Y)
EDC (1,2-dichloroethane)	c, v	<0.5 (ND)	0.17	NE	N	(Y)
Ethylbenzene	c, v	<0.5 (ND)	1.5	NE	N	N
MTBE (methyl t-butyl ether)	c, v	5.74	14	NE	N	N
Naphthalene	c, v	<2 (ND)	0.17	NE	N	(Y)
iso-Propylbenzene (cumene)	nc, v	<1 (ND)	440	NE	N	N
Tetrachloroethene (PCE)	c, v	<0.4 (ND)	12	NE	N	N
Toluene	nc, v	<1 (ND)	1100	NE	N	N
1,1,1-Trichloroethane	nc, v	<0.4 (ND)	8000	NE	N	N
1,1,2-Trichloroethane	c, v	<0.5 (ND)	0.28	NE	N	(Y)
Trichloroethene	NA, v	<0.4 (ND)	0.49	NE	N	N
Trichlorofluoromethane (Freon 11)	nc, v	<2 (ND)	1100	NE	N	N
1,2,4-Trimethylbenzene	nc, v	<1 (ND)	54	NE	N	N
1,3,5-Trimethylbenzene	nc, v	<1 (ND)	59	NE	N	N
Vinyl chloride	c, v	<0.4 (ND)	0.027	NE	N	(Y)
Xylenes	nc, v	<1.5 (ND)	190	NE	N	N
Metals (Dissolved)						
Arsenic (Dissolved)		3.03	0.052	2	Y	Y
Barium (Dissolved)		125	4000	---	N	N
Cadmium (Dissolved)		0.2	20	1	N	N
Chromium (Dissolved)		2	30000	1	Y	N
Copper (Dissolved)		3.39	800	9	N	N
Lead (Dissolved)		0.474	15	13.3	N	N
Mercury (Dissolved)		<0.08 (ND)	6	0.1	N	N
Silver (Dissolved)		<0.2 (ND)	100	1	N	N
Semivolatile Organic Constituents						
Polycyclic Aromatic Hydrocarbons						
Acenaphthene	nc, v	<0.069 (ND)	510	NE	N	N
Anthracene	nc, v	<0.276 (ND)	1700	NE	N	N
Benz[a]anthracene	c, v	<0.465 (ND)	0.03	NE	N	(Y)
Benzo[a]pyrene (BaP equivalents)	c, nv	<0.465 (ND)	0.025	NE	N	(Y)
Benzo[b]fluoranthene	c, nv	<0.465 (ND)	0.25	NE	N	(Y)
Benzo[k]fluoranthene	c, nv	<0.465 (ND)	2.5	NE	N	N
Chrysene	c, nv	<0.465 (ND)	25	NE	N	N
Dibenz[a,h]anthracene	c, nv	<0.465 (ND)	0.025	NE	N	(Y)
Fluoranthene	nc, nv	<0.465 (ND)	800	NE	N	N
Fluorene	nc, v	0.054	280	NE	N	N
Indeno[1,2,3-cd]pyrene	c, nv	<0.465 (ND)	0.25	NE	N	(Y)
Pyrene	nc, v	<0.465 (ND)	110	NE	N	N
Styrene	nc, v	<1 (ND)	1200	NE		N
Total Petroleum Hydrocarbons						
Generic Gasoline (GRO)	nc, v	<100 (ND)	110	NE	N	N
Generic Diesel / Heating Oil (DRO)	nc, v	<247 (ND)	100	NE	N	(Y)
Generic Mineral Insulating Oil (RRO)	nc, nv	482	300	NE	N	CA

Notes:
ug/L = micrograms per Liter or parts per billion (ppb).
<# (ND) = not detected at or above the laboratory method reporting limit shown.
NE = not established.
[1] Lowest Risk-Based Concentration for ground water (screening level assumes residential use, from ODEQ RBCs dated May 2018).
[2] Default background concentration for metals (Freshwater), ODEQ October 28, 2002.
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GRO = gasoline-range organics.
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RRO = residual-range organics.

Bolded concentrations exceed screening level risk-based concentrations and background concentrations, as applicable.

[1] Lowest Risk-Based Concentration for ground water (screening level).

(Y) indicates analyte not detected, but detection limit is above screening concentration.

Y = maximum concentration exceeds screening criteria and background and it tentatively identified as a Constituent of Potential Concern

CA = since generic RBCs for RRO are based on mineral oil, constiteunts commonly assosicated with RRO were further evaulated to identify potential COPCs.

Table 3. Further Evaluation of COPCs in Soil

Contaminated Medium		SOIL mg/Kg (ppm)						Maximum Detected Concentration	Exposure Point Concentration (Based on 90% UCL)	Lowest Applicable RBC (Soil)	Constituent of Concern (COC, based on MDC or EPC, as appliable)?
Exposure Pathway		Soil Ingestion, Dermal Contact, and Inhalation RBC_{ss}									
Receptor Scenario		Occupational		Construction Worker		Excavation Worker					
Direct or Indirect Pathway (see notes)		DC		DC		DC					
Contaminant of Concern	Note		Note		Note		Note	mg/Kg (ppm)	mg/Kg (ppm)	mg/Kg (ppm)	Y/N
Volatile Organic Constituents											
Benzene	c, v	37		380		11000	>Csat	0.0259	---	37	N
Metals											
Arsenic	c, nv	1.9		15		420		16.6	6.2	1.9	BKG
Lead	NA, nv	800	L	800	L	800	L	184	---	800	N

Notes:
mg/Kg = milligrams per Kilogram or parts per million (ppm)
c = carcinogenic
v = volatile
nv = nonvolatile
<Csat = This soil RBC exceeds the limit of three-phase equilibrium partitioning.