

**Table 1
Summary of Groundwater Analytical Results
205 Auto Salvage
Portland, Oregon**



Location: Sample Name:	RBC, Groundwater, Ingestion and Inhalation from Tapwater ⁽¹⁾			RBC, Groundwater, Volatilization to Outdoor Air ⁽¹⁾			RBC, Groundwater in Excavation ⁽¹⁾	RBC, Groundwater, Vapor Intrusion into Buildings, Chronic ⁽²⁾		RBC, Groundwater, Vapor Intrusion into Buildings, Acute ⁽²⁾		GP01	GP02	GP03	
	Residential	Urban Residential	Occupational	Residential	Urban Residential	Occupational	Con. & Exc. Worker	Residential	Commercial	Residential	Commercial	GP01-GW-14	GP02-GW-17	GP03-GW-14	GP03-GW-14-DUP
Sample Date:	Residential	Urban Residential	Occupational	Residential	Urban Residential	Occupational	Con. & Exc. Worker	Residential	Commercial	Residential	Commercial	7/11/2023	7/11/2023	7/11/2023	7/11/2023
TPH (ug/L)															
Gasoline range hydrocarbons	110	110	450	NV	NV	NV	14,000	120	520	NV	NV	50 U	50 U	50 U	50 U
Diesel range hydrocarbons	100	100	430	NV	NV	NV	NV	400	1,700	NV	NV	103	51.3 U	45.5 U	43.5 U
Motor oil range hydrocarbons	100 ^(a)	100 ^(a)	430 ^(a)	NV	NV	NV	NV	400 ^(a)	1,700 ^(a)	NV	NV	96.4 U	103 U	90.9 U	87 U
PAHs (ug/L)															
1-Methylnaphthalene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0533 J	0.0483 U	0.0465 U	0.0431 U
2-Methylnaphthalene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0938 J	0.0507 J	0.0465 U	0.0431 U
Acenaphthene	510	2,400	2,500	NV	NV	NV	NV	NV	NV	NV	NV	0.0514 U	0.0241 U	0.0232 U	0.0215 U
Acenaphthylene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0257 U	0.0241 U	0.0232 U	0.0215 U
Anthracene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0257 U	0.0241 U	0.0232 U	0.0215 U
Benzo(a)anthracene	0.030	0.11	0.38	NV	NV	NV	NV	190	2,300	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U
Benzo(a)pyrene	0.025	0.080	0.47	NV	NV	NV	NV	NV	NV	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U
Benzo(b)fluoranthene	0.25	0.80	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U
Benzo(ghi)perylene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0257 U	0.0241 U	0.0232 U	0.0215 U
Benzo(k)fluoranthene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U
Carbazole	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0257 U	0.0241 U	0.0232 U	0.0215 U
Chrysene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U
Dibenzo(a,h)anthracene	0.025	0.080	0.47	NV	NV	NV	NV	NV	NV	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U
Dibenzofuran	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0861	0.0446 J	0.0232 U	0.0215 U
Fluoranthene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0257 U	0.0241 U	0.0232 U	0.0215 U
Fluorene	280	1,400	1,300	NV	NV	NV	NV	NV	NV	NV	NV	0.127	0.0525	0.0232 U	0.0215 U
Indeno(1,2,3-cd)pyrene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U
Naphthalene	0.17	0.78	0.72	3,600	8,500	16,000	500	11	50	27,000	83,000	0.279	0.172	0.0465 U	0.0431 U
Phenanthrene	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0797 J	0.0507 J	0.0465 U	0.0431 U
Pyrene	110	NV	NV	NV	NV	NV	NV	NV	NV	NV	NV	0.0257 U	0.0241 U	0.0232 U	0.0215 U
cPAH TEQ ^{(b)(3)}	0.025	0.080	0.47	NV	NV	NV	NV	NV	NV	NV	NV	0.0128 U	0.0121 U	0.0116 U	0.0108 U

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Portland, Oregon

Notes	
Shading (color key below) indicates values that exceed screening criteria; non-detects (U) were not compared with screening criteria. Values were compared to screening criteria at the same number of significant figures as those shown for the associated screening criteria. When multiple screening criteria with the same value are exceeded, the result is shaded based on the criterion presented to the left.	
RBC, Groundwater, Ingestion and Inhalation from Tapwater, Residential	
RBC, Groundwater, Ingestion and Inhalation from Tapwater, Urban Residential	
Con. = construction.	PAH = polycyclic aromatic hydrocarbon.
cPAH = carcinogenic polycyclic aromatic hydrocarbon.	RBC = risk-based concentration.
DEQ = Oregon Department of Environmental Quality.	TEF = toxicity equivalency factors.
EPA = US Environmental Protection Agency.	TEQ = toxicity equivalency.
Exc. = excavation.	TPH = total petroleum hydrocarbons.
J = result is estimated.	U = result is non-detect at the method detection limit.
NV = no value.	ug/L = micrograms per liter.
^(a) Value is for generic diesel/heating oil, since generic residual-range hydrocarbon values are not available.	
^(b) cPAH TEQ calculated as the sum of each cPAH multiplied by the corresponding TEF with non-detect results also multiplied by one-half. When all cPAHs are non-detect, the highest detection limit is provided.	
References	
⁽¹⁾ DEQ. 2023. Table: <i>Risk-Based Concentrations for Individual Chemicals</i> . Oregon Department of Environmental Quality. June.	
⁽²⁾ DEQ. 2023. Table 1: <i>Chronic and Acute Vapor Intrusion Risk-Based Concentrations</i> . Oregon Department of Environmental Quality, Environmental Cleanup Program. June.	
⁽³⁾ EPA. 1993. <i>EPA Provisional Guidance for Quantitative Risk Assessment of Polycyclic Aromatic Hydrocarbons</i> . U.S. Environmental Protection Agency 600/R-93/089. July.	

Table 2
Summary of Soil Analytical Results
205 Auto Salvage
Portland, Oregon

Location:	RBC, Soil, Soil Ingestion, Dermal Contact, and Inhalation ⁽¹⁾			Oregon Background Metals Concentrations in Soil, Portland Basin ⁽²⁾	Site-Specific Cleanup Level ^{(a)(3)}	GC01			GC02	
	Sample Name:	Occupational	Construction Worker			Excavation Worker	GC01-S-0.5	GC01-S-0.5-DUP	GC01-S-1.0	GC02-S-0.5
Sample Date:				07/11/2023	07/11/2023		07/11/2023	07/13/2023	07/13/2023	
Sample Depth (ft bgs):						0.5	0.5	1.0	0.5	1.0
Total Metals (mg/kg)										
Arsenic	1.9	15	420	8.8	NV	22.8	18.5	26.6	31.1	156
PCBs (mg/kg)										
Aroclor 1016	NV	NV	NV	NV	NV	0.00581 U	0.00571 U	--	0.00559 U	--
Aroclor 1221	NV	NV	NV	NV	NV	0.00581 U	0.00571 U	--	0.00559 U	--
Aroclor 1232	NV	NV	NV	NV	NV	0.0116 U	0.00571 U	--	0.00559 U	--
Aroclor 1242	NV	NV	NV	NV	NV	0.00581 U	0.00571 U	--	0.00559 U	--
Aroclor 1248	NV	NV	NV	NV	NV	0.00581 U	0.00571 U	--	0.00559 U	--
Aroclor 1254	NV	NV	NV	NV	NV	0.0371 J	0.0818 J	--	0.301 J	--
Aroclor 1260	NV	NV	NV	NV	NV	0.0216 J	0.0308 J	--	0.0376 J	--
Total PCBs ^(b)	NA	NA	NA	NV	0.56	0.059 J	0.113 J	--	0.339 J	--

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Location:	RBC, Soil, Soil Ingestion, Dermal Contact, and Inhalation ⁽¹⁾			Oregon Background Metals Concentrations in Soil, Portland Basin ⁽²⁾	Site-Specific Cleanup Level ^{(a)(3)}	GC03		GC04		GC05	
Sample Name:	Occupational	Construction Worker	Excavation Worker			GC03-S-0.5	GC03-S-1.0	GC04-S-0.5	GC04-S-1.0	GC05-S-0.5	GC05-S-1.0
Sample Date:						07/13/2023	07/13/2023	07/13/2023	07/13/2023	07/13/2023	07/13/2023
Sample Depth (ft bgs):						0.5	1.0	0.5	1.0	0.5	1.0
Total Metals (mg/kg)											
Arsenic	1.9	15	420	8.8	NV	24.6	42.7	24.5	33.2	36.3	49.6
PCBs (mg/kg)											
Aroclor 1016	NV	NV	NV	NV	NV	0.0258 U	0.0256 U	0.0271 U	0.0542 U	0.539 U	0.268 U
Aroclor 1221	NV	NV	NV	NV	NV	0.0258 U	0.0256 U	0.0271 U	0.0542 U	0.539 U	0.268 U
Aroclor 1232	NV	NV	NV	NV	NV	0.0258 U	0.0256 U	0.0271 U	0.0542 U	0.539 U	0.268 U
Aroclor 1242	NV	NV	NV	NV	NV	0.0258 U	0.0256 U	0.0271 U	0.0542 U	0.539 U	0.268 U
Aroclor 1248	NV	NV	NV	NV	NV	0.0258 U	0.0256 U	0.0271 U	0.0542 U	0.539 U	0.268 U
Aroclor 1254	NV	NV	NV	NV	NV	0.853	1.03	1.78	3.31 J	18.1	9.53
Aroclor 1260	NV	NV	NV	NV	NV	0.0258 U	0.0256 U	0.0271 U	0.0542 U	0.539 U	0.268 U
Total PCBs ^(b)	NA	NA	NA	NV	0.56	0.853	1.03	1.78	3.31 J	18.1	9.53

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Shading (color key below) indicates values that exceed screening criteria; non-detects (U) results were not compared with screening criteria. Where multiple criteria are exceeded, the highest value is shaded.

- RBC, Soil, Soil Ingestion, Dermal Contact, and Inhalation, Occupational
- RBC, Soil, Soil Ingestion, Dermal Contact, and Inhalation, Construction Worker
- Oregon Background Metals Concentrations in Soil, Portland Basin
- Site-Specific Screening Criteria

-- = not analyzed.
DEQ = Oregon Department of Environmental Quality.
ft bgs = feet below ground surface.
J = result is estimated.
mg/kg = milligram per kilogram.
NA = not applicable, per project requirements, total PCBs are compared to project-specific cleanup level.
NV = no value.
PCB = polychlorinated biphenyl.
U = result is non-detect at the method detection limit.
^(a)A DEQ-approved cleanup level is established for the site; therefore, total PCBs are not screened against the generic DEQ risk-based concentrations.
^(b)Total PCBs is the sum of all detected PCB Aroclors. Non-detect results are not included in the sum.

References
⁽¹⁾DEQ. 2023. Table: *Risk-Based Concentrations for Individual Chemicals*. Oregon Department of Environmental Quality. June.
⁽²⁾DEQ. 2013. *Oregon Background Concentrations for Metals in Soil*. Oregon Department of Environmental Quality. March.
⁽³⁾ DEQ. 2023. Rebecca Digiustino, Oregon Department of Environmental Quality. *Request for Revised Residual PCB Cleanup Level of 0.56 mg/kg, Auto Salvage 205 (ECSI No. 2087)*. Letter to Garry Gossett. City of Portland. June 29.