

**Table 2. Dioxin/ Furan Sampling Results with TEQ Values for All Sampling Events  
Northwest Pipe Company**

Analyte	SYSTEM 1				SYSTEM 1 (Field Duplicate)				SYSTEM 2			
	7/6/2022	9/29/2022	6/19/2023	9/25/2023	7/6/2022	9/29/2022	6/19/2023	9/25/2023	7/6/2022	9/29/2022	6/19/2023	9/25/2023
	Result pg/L											
1,2,3,4,6,7,8-HpCDD	11 UB	7.3 UB	26 J	6.5 UB	19 J	7.4 UB	25 J	6.4 UB	25 J	12 J	21 J	5.4 UB
1,2,3,4,6,7,8-HpCDF	2.7 UB	2.6 UB	4.1 UB	1 U	5.2 UB	3.5 UB	3.7 UB	1.4 U	5.9 UB	5.3 UB	2.8 UB	0.9 U
1,2,3,4,7,8,9-HpCDF	1.2 UB	0.31 U	1.2 UB	1.1 U	3.4 UB	2.7 UB	0.47 UB	1.5 U	2.5 UB	3.3 UB	0.24 UB	0.99 U
1,2,3,4,7,8-HxCDD	2.3 UB	2.3 UB	3 UB	2.2 UB	4.3 UB	3 UB	2.2 UB	1.9 U	4.1 UB	3.9 UB	2.8 UB	2.5 UB
1,2,3,4,7,8-HxCDF	0.31 U	0.79 UB	0.97 UB	0.94 U	1.9 UB	1.6 UB	0.23 U	1.1 U	2.2 UB	2.7 UB	0.23 U	0.9 U
1,2,3,6,7,8-HxCDD	0.4 U	1.5 UB	1.6 J	1.4 U	2.6 J	2.7 UB	0.35 U	1.9 U	3.4 J	3.3 UB	0.77 J	1.6 U
1,2,3,6,7,8-HxCDF	0.3 U	0.75 UB	0.3 UB	0.92 U	1.7 UB	1.7 UB	0.25 U	0.95 U	2.5 UB	2.3 UB	0.24 U	0.95 U
1,2,3,7,8,9-HxCDD	1.5 J	1.2 UB	9.2 UB	1.3 U	3.4 J	2.2 UB	2 UB	1.7 U	3.9 J	3.4 UB	2.3 UB	1.5 U
1,2,3,7,8,9-HxCDF	2 UB	1.8 UB	1.5 UB	0.86 U	3.9 UB	2.6 UB	0.52 UB	0.98 U	4 UB	3.4 UB	0.22 U	0.77 U
1,2,3,7,8-PeCDD	0.94 U	0.23 U	0.62 U	1.2 U	2 J	0.21 U	0.49 U	1.6 U	1.1 U	2.1 J	0.48 U	1.3 U
1,2,3,7,8-PeCDF	0.48 U	0.96 J	0.28 U	0.69 U	2 J	1.1 J	0.27 U	0.86 U	0.54 U	1.2 J	0.23 U	0.67 U
2,3,4,6,7,8-HxCDF	0.3 U	0.57 UB	1.2 UB	0.79 U	2.5 J	1.5 UB	0.21 U	0.91 U	2.2 J	2.7 UB	0.26 UB	0.72 U
2,3,4,7,8-PeCDF	0.52 U	0.59 J	0.29 U	0.86 U	1.9 J	0.92 J	0.29 U	1.1 U	0.6 U	1.9 J	0.25 U	0.86 U
2,3,7,8-TCDD	1.2 U	0.19 U	0.61 U	1.1 U	1.1 U	0.15 U	0.57 U	1.4 U	1.4 U	0.21 U	0.59 U	1.1 U
2,3,7,8-TCDF	0.5 U	0.11 U	0.34 U	0.38 U	0.56 U	0.03 U	0.3 U	0.45 U	0.6 U	0.07 U	0.27 U	0.36 U
OCDD	98	48 J	200	51 UB	210	50 J	200	73 UB	280	110	220	67 UB
OCDF	5.3 UB	4.8 UB	11 UB	3 UB	15 J	8.5 UB	9.2 UB	4.2 UB	17 J	13 UB	8.3 UB	4.1 UB
TCDD eq (pg/L)	1.7	0.93	2.0	0.015	4.9	1.3	1.2	0.022	3.3	4.1	1.3	0.020
<i>Unit conversion for easier comparison to ROD CUL:</i>												
TCDD eq (µg/L)	<b>1.7E-06</b>	<b>9.3E-07</b>	<b>2.0E-06</b>	<b>1.5E-08</b>	<b>4.9E-06</b>	<b>1.3E-06</b>	<b>1.2E-06</b>	<b>2.2E-08</b>	<b>3.3E-06</b>	<b>4.1E-06</b>	<b>1.3E-06</b>	<b>2.0E-08</b>

**PH JSCS SLV for Dioxins/ Furans (2,3,7,8-TCDD eq) = 5.1E-09 µg/L**

**PH ROD Table 17 Surface Water CUL for Dioxins/ Furans (2,3,7,8-TCDD eq) = 5.1E-10 µg/L**

Notes:  
 U = the analyte was not detected at or greater than the method detection limit.  
 UB = the analyte was qualified as not detected at the reported concentration due to associated method blank contamination.  
 J = the analyte was detected at a concentration greater than the method detection limit but less than the reporting limit, or was qualified as estimated due to a QA/QC exceedance  
 TEF = toxicity equivalency factor (World Health Organization published values, see reference in PH Program Data Management Plan 2021)

Dioxin/furan congeners identified by DEQ/EPA in the IT Slip exceeding sediment remedial action levels (RALs) identified in Table 21 of the ROD (EPA 2018)