Hiland WC – Echo Mountain 4100605

Post-Wildfire Distribution System VOC Monitoring Results Summary
Prepared by G. Baird 10/12/20
Sample collection date: 10/6/20
DEQ lab reported results to OHA: 10/9/20
Results summary: No regulated VOC detections at or above the LOQ. No MCL or HAL exceedances.

1. Sample location: 533 Yodel

1,2,3-Trichlorobenzene - 0.00031 ppm (J), (PV3::B), (BK2::C)	
1,3,5-Trimethylbenzene - 0.00026 ppm (J), (PV3::B)	1-day HAL 10 ppm
1,4-Dichlorobenzene - 0.0002 ppm (J), (PV3::B), (BK2::C)	MCL 0.075 ppm. 1&10-day HAL 11 ppm, Lifetime HAL 0.075 ppm
1,4-Dimethylbenzene + 1,3-Dimethylbenzene - 0.00057 ppm (J), (PV3::B), (BK2::C)	
4-Chlorotoluene - 0.00027 ppm (J), (PV3::B), (BK2::C)	1&10-day HAL 2 ppm, Lifetime HAL 0.1 ppm
Ethylbenzene - 0.0003 ppm (J), (PV3::B)	MCL 0.7 ppm. 1-day HAL 30 ppm. 10-day HAL 3 ppm. Lifetime HAL 0.7 ppm
Naphthalene - 0.00073 ppm (J), (PV3::B), (BK2::C)	1&10-day HAL 0.5 ppm, Lifetime HAL 0.1 ppm. CA MCL 0.1 ppm, CA NL 0.017 ppm
n-Propylbenzene - 0.00026 ppm (J), (PV3::B), (BK2::C)	
Styrene - 0.00036 ppm (J), (PV3::B)	MCL 0.1 ppm. 1-day HAL 20 ppm. 10-day HAL 2 ppm. Lifetime HAL 0.1 ppm
Toluene - 0.00023 ppm (J), (PV3::B), (BK2::C)	MCL 1 ppm. 1-day HAL 20 ppm. 10-day HAL 2 ppm
Trichlorofluoromethane (Freon 11) – ND (PV3::B), (CV3::B)	1&10-day HAL 7 ppm, Lifetime HAL 2 ppm
Xylenes, total - 0.00057 ppm (J), (PV3::B), (BK2::C)	MCL 10 ppm. 1&10-day HAL 40 ppm

2. Sample location: 457 Pleasure

1,2,3-Trichlorobenzene - 0.00029 ppm (J), (PV3::B), (BK2::C)	
Naphthalene - 0.00069 ppm (J), (PV3::B), (BK2::C)	1&10-day HAL 0.5 ppm, Lifetime HAL 0.1 ppm. CA MCL 0.1 ppm, CA NL 0.017 ppm
Toluene - 0.00023 ppm (J), (PV3::B), (BK2::C)	MCL 1 ppm. 1-day HAL 20 ppm. 10-day HAL 2 ppm
Trichlorofluoromethane (Freon 11) – ND (PV3::B), (CV3::B)	1&10-day HAL 7 ppm, Lifetime HAL 2 ppm

3. Sample location: 547 Yodel

1,2,3-Trichlorobenzene - 0.00035 ppm (J), (PV3::B), (BK2::C)	
1,3,5-Trimethylbenzene - 0.00026 ppm (J), (PV3::B)	1-day HAL 10 ppm
1,4-Dichlorobenzene - 0.00021 ppm (J), (PV3::B), (BK2::C)	MCL 0.075 ppm. 1&10-day HAL 11 ppm, Lifetime HAL 0.075 ppm
1,4-Dimethylbenzene + 1,3-Dimethylbenzene - 0.00057 ppm (J), (PV3::B), (BK2::C)	
4-Chlorotoluene - 0.00027 ppm (J), (PV3::B), (BK2::C)	1&10-day HAL 2 ppm, Lifetime HAL 0.1 ppm
Naphthalene - 0.0008 ppm (J), (PV3::B), (BK2::C)	1&10-day HAL 0.5 ppm, Lifetime HAL 0.1 ppm. CA MCL 0.1 ppm, CA NL 0.017 ppm
n-Propylbenzene - 0.00026 ppm (J), (PV3::B), (BK2::C)	
sec-Butylbenzene - 0.00027 ppm (J), (PV3::B), (BK2::C)	

Styrene - 0.00037 ppm (J), (PV3::B)	MCL 0.1 ppm. 1-day HAL 20 ppm. 10-day HAL 2 ppm. Lifetime HAL 0.1 ppm
Trichlorofluoromethane (Freon 11) – ND (PV3::B), (CV3::B)	1&10-day HAL 7 ppm, Lifetime HAL 2 ppm
Xylenes, total - 0.00057 ppm (J), (PV3::B), (BK2::C)	MCL 10 ppm. 1&10-day HAL 40 ppm

4. Trip Blank

1,2,3-Trichlorobenzene - 0.0003 ppm (J), (PV3::B), (BK2::C)
1,4-Dimethylbenzene + 1,3-Dimethylbenzene - 0.00056 ppm (J), (PV3::B), (BK2::C)
Naphthalene - 0.00071 ppm (J), (PV3::B), (BK2::C)
Styrene - 0.00036 ppm (J), (PV3::B)
Trichlorofluoromethane (Freon 11) – ND (PV3::B), (CV3::B)
Xylenes, total - 0.00056 ppm (J), (PV3::B), (BK2::C)

Qualifiers:

PV3::B = Samples were received outside acceptable temperature range.

J = Sample result is an estimated concentration between the laboratory limit of detection (LOD) and the laboratory limit of quantitation (LOQ)

BK2::C = Analyte found in the method blank. The blank result is > 1/2 of the sample concentration.

CV3::B = ICV outside acceptance limits. Per DEQ, an initial calibration verification (ICV) failure means that there is a disagreement between the calibration curve and a secondary standard made or purchased from a different source. It could indicate a bias in the calibration, or a bias in the second source, or stability issues in the instrument. In the case of a ND result the impacts are probably minimal, but it is always possible that a low detection around the detection limit (0.000026 mg/L) could be biased “ND”, so it must be noted in the report.