**FORMER CIRCLE K 1461**

**WASTE DISCHARGE AUTHORIZATION No. 4614-01**

**MONTHLY SYSEM WATER SAMPLING RESULTS**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample Location | Sample Date | Nonpolar FOG by EPA Method 1664B | **Chemical of Concern** | | | | | | | | |
| VOCs by EPA Method 8260D | | | | | | | | | |
| Nonpolar FOG | Benzene | Toluene | Ethylbenzene | Total Xylenes | TCE | Cis-1,2-DCE | PCE | Trans-1-2-DCE | Vinyl Chloride | |
| *Screening Level1 (mg/L):* | | *100* | *0.070* | *1.4* | *1.7* | *2.2* | *0.50* | *1.0* | *0.24* | *1.0* | *0.012* | |
| Untreated Influent, prior to GAC vessels | 12/18/2024 | **36.1** | **0.00851** | **0.00169** | 0.001 U | **0.0273** | -- | -- | -- | -- | -- | |
| 1/17/2025 | 5.88 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | -- | -- | -- | -- | -- | |
| 02/27/2025 | **11.9 J-** | **0.00209** | **0.00183** | 0.001 U | 0.003 U | 0.001 U | 0.001 U | **0.00336** | 0.001 U | 0.001 U | |
| 03/21/2025 | **6.31** | 0.001 U | 0.001 U | 0.001 U | **0.00604** | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 04/25/2025 | **63.9** | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | **0.0159** | 0.001 U | 0.001 U | |
| 5/23/2025 | **6.1** | 0.001 U | 0.001 U | 0.001 U | **0.00794** | **0.00125** | **0.00120** | **0.0160** | 0.001 U | 0.001 U | |
| Midpoint between GAC vessels | 12/18/2024 | **6.63** | 0.001 U | 0.001 U | 0.001 U | 0.003 U | -- | -- | -- | -- | -- | |
| 1/17/2025 | 5.88 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | -- | -- | -- | -- | -- | |
| 02/27/2025 | 5.62 UJ | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 03/21/2025 | 5.81 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 04/25/2025 | 5.80 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 5/23/2025 | **6.7** | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| Treated effluent, post GAC vessels | 12/18/2024 | 5.05 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 1/17/2025 | 5.49 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 02/27/2025 | 5.88 UJ | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 03/21/2025 | 5.95 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 04/252025 | 6.00 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |
| 5/23/2025 | 6.00 U | 0.001 U | 0.001 U | 0.001 U | 0.003 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | 0.001 U | |

Notes:

1 = Screening levels are based on effluent limits in the KCIW Discharge Permit No. 4614-01.

**Bold** = sample result was detected; **Yellow** = sample result exceeds the screening level

DCE = dichloroethene

EPA = U.S. Environmental Protection Agency

FOG = fats, oils, and grease

GRO = gasoline-range organics

KCIW = King County Industrial Waste

mg/L = milligrams per liter

PCE = tetrachloroethene

TCE = trichloroethene

VOCs = volatile organic compounds

-- = sample was not analyzed for analyte, and/or chemical of concern

Laboratory Qualifiers:

J = Estimated: The analyte was positively identified; the quantitation is an estimation.

J- = Estimated, Low Bias: The result was an estimated quantity, but the result may be biased low.

U = Not detected at the limit of detection.  
UJ = Not detected at the limit of detection, but the limit is an estimation.