Parkland Refining (B.C.) Ltd.

Permit: 1217 / Due Date: July 31, 2023

19R - Fluid catalytic cracker (FCC) regenerator and waste heat boiler (WHB)

19R - Fluid catalytic cracker (FCC) regenerator and waste heat boiler (WHB)	
Nitrogen Oxides	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1875.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	500.0000 kg/d
Minimum Hourly Average Test Result:	29.000 kg/d
Date/Time of Minimum Hourly Average Test Result:	May 18, 2023
Maximum Hourly Average Test Result:	323.000 kg/d
Date/Time of Maximum Hourly Average Test Result:	April 14, 2023
Average of Test Results Over the Quarter:	230.000 kg/d
98th Percentile Value:	307.000 kg/d
Data Recovery:	94.000 %
Comments:	
Opacity	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1989.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	20.0000 %
Minimum Hourly Average Test Result:	1.000 %
Date/Time of Minimum Hourly Average Test Result:	May 19, 2023
Maximum Hourly Average Test Result:	28.000 %
Date/Time of Maximum Hourly Average Test Result:	April 01, 2023
Average of Test Results Over the Quarter:	7.000 %
98th Percentile Value:	13.000 %
Data Recovery:	100.000 %
Comments:	

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Sulphur Oxides	
Test Date Range:	April 1 - June 30
Total Hours of Data Collected:	1875.00 hours
Permitted Flow Limit:	2450.00 m3/min
Contaminant Permit Limit:	400.0000 mg/m3
Minimum Hourly Average Test Result:	1.000 mg/m3
Date/Time of Minimum Hourly Average Test Result:	June 19, 2023
Maximum Hourly Average Test Result:	589.000 mg/m3
Date/Time of Maximum Hourly Average Test Result:	May 21, 2023
Average of Test Results Over the Quarter:	289.000 mg/m3
98th Percentile Value:	388.000 mg/m3
Data Recovery:	94.000 %
Comments:	Maximum occurred during torch oil operation with throughput of less than 10,000 BPD

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