

## Roberta Judas

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**From:** Sarah Elsasser  
**Sent:** June-16-16 2:49 PM  
**To:** Roberta Judas  
**Subject:** FW: TPH  
**Attachments:** typical-hydrocarbon-02062012.pdf

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**From:** Wells, David (DDMI) [<mailto:David.Wells@riotinto.com>]  
**Sent:** June 16, 2016 12:12 PM  
**To:** Ryan Fequet <[rfequet@wlwb.ca](mailto:rfequet@wlwb.ca)>  
**Subject:** TPH

Ryan,

As requested, Diavik proposed the Carbon Range of C6-C32 for the analysis of Total Petroleum Hydrocarbons as required by the SNP. This range corresponds to the TPH range used by our analytical laboratory (see attached graphic from Maxxam), covers fuels and oils used at Diavik (ie diesel, hydraulic oils, etc), and aligns with previous board directions (NIWTP Sludge and UG Sampling) to monitor Fraction 3 hydrocarbons which extend to C34. The Maxxam TPH range is based on the including all volatile (C6-C10) and extractable (C10-C32) hydrocarbons.

If you have further questions related to the above please contact me at your convenience.

David

David Wells  
Superintendent - Environment - HSE

**Diavik Diamond Mines (2012) Inc.**

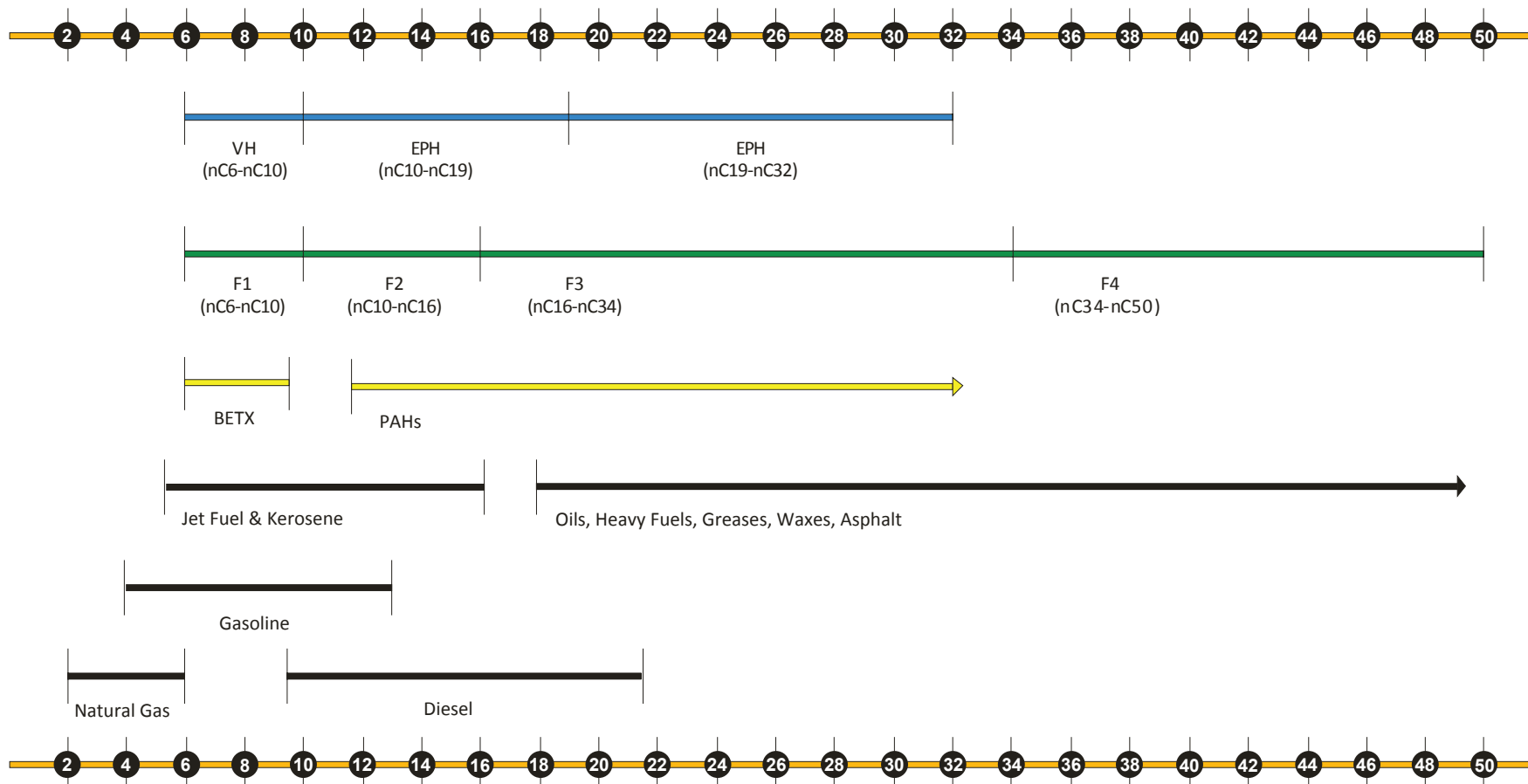
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# PETROLEUM HYDROCARBONS

## REFERENCE SHEET

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- = Number of Carbon Atoms
- = BC CSR Petroleum Hydrocarbon Regulations
- = CCME Petroleum Hydrocarbon Regulations
- = Other Organic Compounds
- = Common Petroleum Products

For more information about Petroleum Hydrocarbon analyses, please contact us by email at [enviro@maxxam.ca](mailto:enviro@maxxam.ca) or by telephone:

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## TYPICAL CARBON RANGES AND ANALYTICAL TECHNIQUES

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