

### Sample data overview

Sample	Results PPM	RSD%
<b>Sulfur Analysis</b>		
Diesel	9.44	0.17
E85	1.72	1.79
Jet Fuel	507	0.12
Enhanced Gasoline	4.42	0.96
BOB Gasoline	2.55	1.24
B7 Diesel	9.64	0.27
Jet Fuel	168	0.08
Heating Oil	29.4	0.15
Residual Oil *	3784	0.10
Residual Oil *	6782	0.10
Polymers **	75.2	2.60
Polymers **	626	3.60
<b>Nitrogen Analysis</b>		
Diesel	61.6	0.48
Enhanced Gasoline	1.35	1.81
BOB Gasoline	1.29	2.75
B7 Diesel	39.9	0.92
Heating Oil	55.6	0.33
Polymers **	15.1	3.60
Polymers **	46.2	2.80

\* Sample diluted as specified in test method

\*\* Sample introduced as solids



### HPI Applications

#### Sulfur Analysis

- LPG
- Condensates
- Naphtha
- Diesel
- Aromatics
- Natural Gas
- Mineral Oil
- Gasoline
- Gaseous Hydrocarbons
- Jet Fuel

#### Nitrogen Analysis

- Naphtha
- Condensates
- Distillates
- Oils
- Liquid Hydrocarbons
- LPG
- Light Aromatics
- Lubricating oils

#### Methods: Sulfur

- ASTM D5453
- EN ISO 20846
- ASTM D6667
- ASTM D7183
- ASTM D7551
- EN 15486
- IP 490
- JIS K 2541

#### Methods: Nitrogen

- ASTM D5762\*
- ASTM D4629
- ASTM D5176
- ASTM D7184
- DIN 51444
- ISO/TR 11905
- GB/T 17674
- UOP 936
- JIS K 2609

### Non-HPI Applications

#### VERTICAL CONFIGURATION

##### Sulfur Analysis

- Water
- Wastewater
- Ethyl Alcohol

##### Nitrogen Analysis

- Water
- Wastewater
- Ethyl Alcohol

#### HORIZONTAL CONFIGURATION

##### Sulfur Analysis

- Food
- Polymers\*
- Water
- Wastewater
- Ethyl Alcohol

##### Nitrogen Analysis

- Food
- Polymers\*
- Water
- Wastewater
- Ethyl Alcohol

\* Horizontal configuration

## Method overview

Product	Method	Detection	Vertical			Horizontal			
			VS	VN	VNS	HS	HN	HNS	
(Natural) Gas	ASTM D7551	UVF	•		•	•		•	
LPG	ASTM D5453	UVF	•		•	•		•	
	ASTM D6667	UVF	•		•	•		•	
	ASTM D7551	UVF	•		•		•	•	
	ISO 20729	UVF	•		•	•		•	
	EN 17178	UVF	•		•	•		•	
	UOP 936	CLD		•	•		•	•	
	UOP 989	UVF	•		•				
	GOST R 56866	UVF	•		•	•		•	
	ASTM D5453	UVF	•		•	•		•	
Gasoline	EN ISO 20846	UVF	•		•	•		•	
	GOST R 56342	UVF	•		•	•		•	
	ASTM D4629	CLD		•	•		•	•	
	ASTM D5762	CLD					•	•	
	IP490	UVF	•		•	•		•	
	DIN 51444	CLD		•	•		•	•	
	UOP 981	CLD		•	•				
	UOP 987 part A	UVF	•		•				
	SH/T 0657	CLD		•	•		•	•	
	SH/T 0689	UVF	•		•	•		•	
	Ethanol	EN 15486	UVF	•		•	•		•
		IP554	UVF	•		•	•		•
		ASTM D5453	UVF	•		•	•		•
ASTM D4629		CLD		•	•		•	•	
ASTM D5762		CLD					•	•	
UOP 987 part A		UVF	•		•				
ASTM D5453		UVF	•		•	•		•	
Jet	ASTM D5762	CLD					•	•	
	DIN 51444	CLD		•	•		•	•	
	EN ISO 20846	UVF	•		•	•		•	
	UOP 987 part A	UVF	•		•				
	ASTM D4629	CLD		•	•		•	•	
	ASTM D5762	CLD					•	•	
Diesel	ASTM D5453	UVF	•		•	•		•	
	IP 490	UVF	•		•	•		•	
	DIN 51444	CLD		•	•		•	•	
	UOP 987 part A	UVF	•		•				
	ASTM D7183	UVF	•		•				
	ASTM D7184	CLD		•	•				
	ASTM D5762	CLD					•	•	
	DIN 51444	CLD		•	•		•	•	
Aromatics	UOP 971	CLD		•	•				
	UOP 981	CLD		•	•				
	UOP 987 part A	UVF	•		•				
	DIN 51444	CLD		•	•		•	•	
	ASTM D4629	CLD		•	•		•	•	
	ASTM D5762	CLD					•	•	
	GB/T 17674	CLD					•	•	
Polymer	None specified	CLD/UVF				•	•	•	