A3. Daily Analyzer Calibrations and Data Sheets

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	13-Jun-12	End Date:	13-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	ViG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	150
High Gas	8483	8484
Response Line	0.982	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3012	3124	3.6	< 5% of cylinder concentration
Mid Gas	5010	4922	5022	2.0	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	14-Jun-12
Time:	8:40

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	150	150	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3124	3184	**0.6**	< 3% of the measurement range	
					Test Avg. Conc.	**1,831**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	86%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	13-Jun-12	End Date:	13-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line	1.011	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	293	295	0.6	< 5% of cylinder concentration
Mid Gas	485	490	490	0.1	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	14-Jun-12
Time:	8:40

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	1	2	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	295	295	**0.0**	< 3% of the measurement range	
					Test Avg. Conc.	**252**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	14-Jun-12	End Date:	14-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)

Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	150
High Gas	8483	8484
Response Line	0.982	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)

Calibration Gas	Cylinder Conc.	Predicted Response	Actual Response	Calibration Error	Acceptance Criteria
Low Gas	3066	3012	3124	3.6	< 5% of cylinder concentration
Mid Gas	5010	4922	5022	2.0	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	15-Jun-12
Time:	11:48

Post Calibration Drift Data

Calibration Gas	Cylinder Conc.	Initial Test Response	Final Test Response	Calibration Drift	Acceptance Criteria
Post Cal 1 Zero	0	150	250	**1.0**	< 3% of the measurement range
Post Cal 1 Upscale	3066	3124	3280	**1.6**	< 3% of the measurement range
					Test Avg. Conc. **1,639**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data

Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	14-Jun-12	End Date:	14-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line	1.011	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	293	295	0.6	< 5% of cylinder concentration
Mid Gas	485	490	490	0.1	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	15-Jun-12
Time:	11:48

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	1	2	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	295	298	**0.3**	< 3% of the measurement range	
					Test Avg. Conc.	**239**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	15-Jun-12	End Date:	15-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	150
High Gas	8483	8484
Response Line	0.982	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3012	3124	3.6	< 5% of cylinder concentration
Mid Gas	5010	4922	5022	2.0	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response)./ Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DS
Date:	16-Jun-12
Time:	12:30

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	150	322	**1.7**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3124	3270	**1.5**	< 3% of the measurement range	
					Test Avg. Conc.	**1,716**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	15-Jun-12	End Date:	15-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line	1.011	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	293	295	0.6	< 5% of cylinder concentration
Mid Gas	485	490	490	0.1	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DS
Date:	16-Jun-12
Time:	12:30

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	1	1	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	295	283	**1.2**	< 3% of the measurement range	
					Test Avg. Conc.	**259**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	16-Jun-12	End Date:	16-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)

Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	150
High Gas	8483	8484
Response Line	0.982	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)

Calibration Gas	Cylinder Conc.	Predicted Response	Actual Response	Calibration Error	Acceptance Criteria
Low Gas	3066	3012	3124	3.6	< 5% of cylinder concentration
Mid Gas	5010	4922	5022	2.0	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DS
Date:	17-Jun-12
Time:	9:45

Post Calibration Drift Data

Calibration Gas	Cylinder Conc.	Initial Test Response	Final Test Response	Calibration Drift	Acceptance Criteria
Post Cal 1 Zero	0	150	360	2.1	< 3% of the measurement range
Post Cal 1 Upscale	3066	3124	3298	1.7	< 3% of the measurement range
				Test Avg. Conc.	1,749

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data

Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	16-Jun-12	End Date:	16-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line	1.011	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	293	295	0.6	< 5% of cylinder concentration
Mid Gas	485	490	490	0.1	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DS
Date:	17-Jun-12
Time:	9:45

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	1	1	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	295	290	**0.5**	< 3% of the measurement range	
					Test Avg. Conc.	**277**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	17-Jun-12	End Date:	17-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	150
High Gas	8483	8484
Response Line	0.982	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3012	3124	3.6	< 5% of cylinder concentration
Mid Gas	5010	4922	5022	2.0	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	18-Jun-12
Time:	8:38

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	150	380	**2.3**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3124	3230	**1.1**	< 3% of the measurement range	
					Test Avg. Conc.	**1,810**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	17-Jun-12	End Date:	17-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line	1.011	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	293	295	0.6	< 5% of cylinder concentration
Mid Gas	485	490	490	0.1	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	18-Jun-12
Time:	8:38

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	1	1	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	295	294	**0.1**	< 3% of the measurement range	
					Test Avg. Conc.	**284**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	18-Jun-12	End Date:	18-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	150
High Gas	8483	8484
Response Line	0.982	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3012	3124	3.6	< 5% of cylinder concentration
Mid Gas	5010	4922	5022	2.0	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	19-Jun-12
Time:	14:50

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	150	210	**0.6**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3124	3270	**1.5**	< 3% of the measurement range	
					Test Avg. Conc.	**1,815**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-65	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	18-Jun-12	End Date:	18-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line	1.011	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	293	295	0.6	< 5% of cylinder concentration
Mid Gas	485	490	490	0.1	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	19-Jun-12
Time:	14:50

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	1	1	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	295	292	**0.3**	< 3% of the measurement range	
					Test Avg. Conc.	**268**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	48%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	19-Jun-12	End Date:	19-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	150
High Gas	8483	8484
Response Line	0.982	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3012	3124	3.6	< 5% of cylinder concentration
Mid Gas	5010	4922	5022	2.0	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Albright
Date:	14-Jun-12
Time:	14:50

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	150	210	**0.6**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3124	3270	**1.5**	< 3% of the measurement range	
					Test Avg. Conc.	**1,836**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	**Required % of Span**	**Cylinder Conc.**	**Cylinder Composition**	**Cylinder Number**	**Expiration Date**	**Actual % of Span**
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	19-Jun-12	End Date:	19-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	07-Jun-12
Time:	16:18

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line	1.011	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	293	295	0.6	< 5% of cylinder concentration
Mid Gas	485	490	490	0.1	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Albright
Date:	14-Jun-12
Time:	14:50

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	1	1	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	295	292	**0.3**	< 3% of the measurement range	
					Test Avg. Conc.	**273**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	20-Jun-12	End Date:	20-Jun-12
Start Time:	7:45	End Time:	21:30

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Stratton
Date:	21-Jun-12
Time:	9:23

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	68	**0.3**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3075	**0.2**	< 3% of the measurement range	
Post Cal 2 Upscale	5010	5010	4963	**0.5**	Test Avg. Conc.	**5,232**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	20-Jun-12	End Date:	20-Jun-12
Start Time:	7:45	End Time:	21:30

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Stratton
Date:	21-Jun-12
Time:	9:23

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	282	**0.8**	< 3% of the measurement range	
Post Cal 2 Upscale	820	820	805	**1.5**	Test Avg. Conc.	**760**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	48%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	21-Jun-12	End Date:	21-Jun-12
Start Time:	13:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	22-Jun-12
Time:	9:57

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	50	**0.12**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3014	**0.83**	< 3% of the measurement range	
					Test Avg. Conc.	**1,784**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	21-Jun-12	End Date:	21-Jun-12
Start Time:	13:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	22-Jun-12
Time:	9:57

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	284	**0.6**	< 3% of the measurement range	
					Test Avg. Conc.	**157**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	22-Jun-12	End Date:	22-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	ER/DH
Date:	23-Jun-12
Time:	10:15

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	60	**0.22**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	2945	**1.52**	< 3% of the measurement range	
					Test Avg. Conc.	**1,890**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	22-Jun-12	End Date:	22-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	ER/DH
Date:	23-Jun-12
Time:	10:15

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	278	**1.2**	< 3% of the measurement range	
					Test Avg. Conc.	**155**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	46-56	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	23-Jun-12	End Date:	23-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DH
Date:	24-Jun-12
Time:	9:25

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	45	**0.07**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3020	**0.77**	< 3% of the measurement range	
					Test Avg. Conc.	**1,778**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	23-Jun-12	End Date:	23-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DH
Date:	24-Jun-12
Time:	9:25

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	289	**0.1**	< 3% of the measurement range	
					Test Avg. Conc.	**133**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	24-Jun-12	End Date:	24-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)

Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)

Calibration Gas	Cylinder Conc.	Predicted Response	Actual Response	Calibration Error	Acceptance Criteria
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	25-Jun-12
Time:	15:05

Post Calibration Drift Data

Calibration Gas	Cylinder Conc.	Initial Test Response	Final Test Response	Calibration Drift	Acceptance Criteria
Post Cal 1 Zero	0	38	50	**0.12**	< 3% of the measurement range
Post Cal 1 Upscale	3066	3097	3075	**0.22**	< 3% of the measurement range
					Test Avg. Conc. **1,767**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data

Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	24-Jun-12	End Date:	24-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	25-Jun-12
Time:	15:05

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	292	**0.2**	< 3% of the measurement range	
					Test Avg. Conc.	**123**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	25-Jun-12	End Date:	25-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Stratton
Date:	26-Jun-12
Time:	11:40

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	38	**0.00**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3016	**0.81**	< 3% of the measurement range	
					Test Avg. Conc.	**1,738**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	25-Jun-12	End Date:	25-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data		
Manufacturer -	VIG	
Model/Serial Number -	200/2660406	
Fuel Pressure -	7.0	
Combustion Air Pressure -	5.5	
Carrier Gas Pressure -	22.0	
Range -	0 -	1,000
Calibrant (choose one, x in box)	Propane	
	Methane	x
Cal Gas Molecular Weight:	16.039	g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Stratton
Date:	26-Jun-12
Time:	11:40

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	289	**0.1**	< 3% of the measurement range	
					Test Avg. Conc.	**115**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	26-Jun-12	End Date:	26-Jun-12
Start Time:	0:00	End Time:	13:00

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	27-Jun-12
Time:	9:50

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	21	**0.17**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3038	**0.59**	< 3% of the measurement range	
					Test Avg. Conc.	**1,221**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	**Required % of Span**	**Cylinder Conc.**	**Cylinder Composition**	**Cylinder Number**	**Expiration Date**	**Actual % of Span**
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	26-Jun-12	End Date:	26-Jun-12
Start Time:	0:00	End Time:	13:00

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	27-Jun-12
Time:	9:50

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	289	**0.1**	< 3% of the measurement range	
					Test Avg. Conc.	**67**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	27-Jun-12	End Date:	27-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data		
Manufacturer -	VIG	
Model/Serial Number -	200/2660406	
Fuel Pressure -	6.5	
Combustion Air Pressure -	5.5	
Sample Pressure -	2.0	
Range -	0 - 10,000	
Calibrant (choose one, x in box)	Propane	x
	Methane	
Cal Gas Molecular Weight:	44.09	g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	28-Jun-12
Time:	10:32

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	14	**0.24**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3136	**0.39**	< 3% of the measurement range	
					Test Avg. Conc.	**990**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	60%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	27-Jun-12	End Date:	27-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	28-Jun-12
Time:	10:32

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	295	**0.5**	< 3% of the measurement range	
					Test Avg. Conc.	**72**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	28-Jun-12	End Date:	28-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	29-Jun-12
Time:	11:18

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	19	**0.19**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3124	**0.27**	< 3% of the measurement range	
					Test Avg. Conc.	**1,055**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	28-Jun-12	End Date:	28-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	29-Jun-12
Time:	11:18

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	296	**0.6**	< 3% of the measurement range	
					Test Avg. Conc.	**83**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	29-Jun-12	End Date:	29-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Bud
Date:	01-Jul-12
Time:	8:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	33	**0.05**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3327	**2.30**	< 3% of the measurement range	
					Test Avg. Conc.	**1,329**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = **120 seconds**

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	29-Jun-12	End Date:	29-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Bud
Date:	01-Jul-12
Time:	8:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	295	**0.5**	< 3% of the measurement range	
					Test Avg. Conc.	**107**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	28%
Mid Gas	45-65	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	30-Jun-12	End Date:	30-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Bud
Date:	01-Jul-12
Time:	8:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	33	**0.05**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3327	**2.30**	< 3% of the measurement range	
					Test Avg. Conc.	**1,510**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = **120 seconds**

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	30-Jun-12	End Date:	30-Jun-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Bud
Date:	01-Jul-12
Time:	8:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	295	**0.5**	< 3% of the measurement range	
					Test Avg. Conc.	**118**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	1-Jul-12	End Date:	01-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	02-Jul-12
Time:	13:35

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	13	**0.25**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3100	**0.03**	< 3% of the measurement range	
					Test Avg. Conc.	**1,417**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	1-Jul-12	End Date:	01-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	02-Jul-12
Time:	13:35

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	298	**0.8**	< 3% of the measurement range	
					Test Avg. Conc.	**112**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	2-Jul-12	End Date:	02-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	03-Jul-12
Time:	14:08

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	15	**0.23**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3100	**0.03**	< 3% of the measurement range	
					Test Avg. Conc.	**1,292**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	2-Jul-12	End Date:	02-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	03-Jul-12
Time:	14:08

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	298	**0.8**	< 3% of the measurement range	
					Test Avg. Conc.	**105**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	3-Jul-12	End Date:	03-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DH
Date:	04-Jul-12
Time:	7:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	23	**0.15**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	2935	**1.62**	< 3% of the measurement range	
					Test Avg. Conc.	**1,290**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	3-Jul-12	End Date:	03-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	DH
Date:	04-Jul-12
Time:	7:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	303	**1.3**	< 3% of the measurement range	
					Test Avg. Conc.	**103**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	4-Jul-12	End Date:	04-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	05-Jul-12
Time:	13:30

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	19	**0.19**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3165	**0.68**	< 3% of the measurement range	
					Test Avg. Conc.	**1,209**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	**Required % of Span**	**Cylinder Conc.**	**Cylinder Composition**	**Cylinder Number**	**Expiration Date**	**Actual % of Span**
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	4-Jul-12	End Date:	04-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	05-Jul-12
Time:	13:30

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	298	**0.8**	< 3% of the measurement range	
					Test Avg. Conc.	**101**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	**Required % of Span**	**Cylinder Conc.**	**Cylinder Composition**	**Cylinder Number**	**Expiration Date**	**Actual % of Span**
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	5-Jul-12	End Date:	05-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	06-Jul-12
Time:	9:45

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	9	**0.29**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3100	**0.03**	< 3% of the measurement range	
					Test Avg. Conc.	**1,180**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	5-Jul-12	End Date:	05-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	06-Jul-12
Time:	9:45

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	298	**0.8**	< 3% of the measurement range	
					Test Avg. Conc.	**98**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	6-Jul-12	End Date:	06-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Ed Perkins
Date:	07-Jul-12
Time:	9:35

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	30	**0.08**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3185	**0.88**	< 3% of the measurement range	
					Test Avg. Conc.	**1,054**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	6-Jul-12	End Date:	06-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Ed Perkins
Date:	07-Jul-12
Time:	9:35

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	1	**0.1**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	296	**0.6**	< 3% of the measurement range	
					Test Avg. Conc.	**90**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	7-Jul-12	End Date:	07-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Dan B
Date:	08-Jul-12
Time:	7:45

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	34	**0.04**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3158	**0.61**	< 3% of the measurement range	
					Test Avg. Conc.	**989**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	7-Jul-12	End Date:	07-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	Dan B
Date:	08-Jul-12
Time:	7:45

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	299	**0.9**	< 3% of the measurement range	
					Test Avg. Conc.	**84**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	8-Jul-12	End Date:	08-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	09-Jul-12
Time:	11:30

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	14	**0.24**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3110	**0.13**	< 3% of the measurement range	
					Test Avg. Conc.	**876**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	26-36	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	8-Jul-12	End Date:	08-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	09-Jul-12
Time:	11:30

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	300	**1.0**	< 3% of the measurement range	
					Test Avg. Conc.	**84**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	9-Jul-12	End Date:	09-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	10-Jul-12
Time:	15:00

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	15	**0.23**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3136	**0.39**	< 3% of the measurement range	
					Test Avg. Conc.	**907**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	9-Jul-12	End Date:	09-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	10-Jul-12
Time:	15:00

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	306	**1.6**	< 3% of the measurement range	
					Test Avg. Conc.	**92**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	10-Jul-12	End Date:	10-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	11-Jul-12
Time:	11:15

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	18	**0.20**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3100	**0.03**	< 3% of the measurement range	
					Test Avg. Conc.	**904**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	10-Jul-12	End Date:	10-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data		
Manufacturer -	VIG	
Model/Serial Number -	200/2660406	
Fuel Pressure -	7.0	
Combustion Air Pressure -	5.5	
Carrier Gas Pressure -	22.0	
Range -	0 -	1,000
Calibrant (choose one, x in box)	Propane	
	Methane	x
Cal Gas Molecular Weight:	16.039	g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	11-Jul-12
Time:	11:15

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	308	**1.8**	< 3% of the measurement range	
					Test Avg. Conc.	**94**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	11-Jul-12	End Date:	11-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	12-Jul-12
Time:	10:32

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	17	**0.21**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3150	**0.53**	< 3% of the measurement range	
					Test Avg. Conc.	**877**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	**Required % of Span**	**Cylinder Conc.**	**Cylinder Composition**	**Cylinder Number**	**Expiration Date**	**Actual % of Span**
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	86%

System Response Time = **120 seconds**

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	11-Jul-12	End Date:	11-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	AFA
Date:	12-Jul-12
Time:	10:32

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	308	**1.8**	< 3% of the measurement range	
					Test Avg. Conc.	**99**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	12-Jul-12	End Date:	12-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data		
Manufacturer -	VIG	
Model/Serial Number -	200/2660406	
Fuel Pressure -	6.5	
Combustion Air Pressure -	5.5	
Sample Pressure -	2.0	
Range -	0 - 10,000	
Calibrant (choose one, x in box)	Propane	x
	Methane	
Cal Gas Molecular Weight:	44.09	g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. STRATTON
Date:	13-Jul-12
Time:	15:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	41	**0.03**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3143	**0.46**	< 3% of the measurement range	
					Test Avg. Conc.	**960**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	12-Jul-12	End Date:	12-Jul-12
Start Time:	0:00	End Time:	23:59

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. STRATTON
Date:	13-Jul-12
Time:	15:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	311	**2.1**	< 3% of the measurement range	
					Test Avg. Conc.	**109**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	13-Jul-12	End Date:	13-Jul-12
Start Time:	0:00	End Time:	15:19

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2.0		
Range -	0	-	10,000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Cal Gas Molecular Weight:	44.09		g/mol

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (Hi / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	38
High Gas	8483	8470
Response Line	0.994	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	3066	3048	3097	1.6	< 5% of cylinder concentration
Mid Gas	5010	4980	5010	0.6	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Stratton
Date:	13-Jul-12
Time:	15:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	38	41	**0.03**	< 3% of the measurement range	
Post Cal 1 Upscale	3066	3097	3143	**0.46**	< 3% of the measurement range	
					Test Avg. Conc.	**959**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3,066	Propane/Air	SA3275	3/26/2015	31%
Mid Gas	45-55	5,010	Propane/Air	SA20684	3/26/2015	50%
High Gas	80-90	8,483	Propane/Air	CC110684	4/2/2015	85%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Methane

Source Summary			
Facility:	Sprague Searsport		
Source/Location:	Residual Oil Exhaust Duct		
Start Date	13-Jul-12	End Date:	13-Jul-12
Start Time:	0:00	End Time:	15:19

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	7.0		
Combustion Air Pressure -	5.5		
Carrier Gas Pressure -	22.0		
Range -	0	-	1,000
Calibrant (choose one, x in box)	Propane		
	Methane		x
Cal Gas Molecular Weight:	16.039	g/mol	

Initial Calibration Summary	
Operator:	A. Stratton
Date:	20-Jun-12
Time:	6:45

Initial Calibration Data (HI / Zero)		
Calibration Gas	Cylinder Conc.	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line	1.000	

Where: Response Line = (Ha-Za)/(Hc-Zc)

Initial Calibration Data (Mid / Low)					
Calibration Gas	**Cylinder Conc.**	**Predicted Response**	**Actual Response**	**Calibration Error**	**Acceptance Criteria**
Low Gas	290	290	290	0.0	< 5% of cylinder concentration
Mid Gas	485	485	486	0.2	< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Summary	
Operator:	A. Stratton
Date:	13-Jul-12
Time:	15:20

Post Calibration Drift Data						
Calibration Gas	**Cylinder Conc.**	**Initial Test Response**	**Final Test Response**	**Calibration Drift**	**Acceptance Criteria**	
Post Cal 1 Zero	0	0	0	**0.0**	< 3% of the measurement range	
Post Cal 1 Upscale	290	290	311	**2.1**	< 3% of the measurement range	
					Test Avg. Conc.	**103**

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100

Gas Cylinder Data						
Calibration Gas	Required % of Span	Cylinder Conc.	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290.0	CH4/Air	CC198791	4/2/2015	29%
Mid Gas	45-55	485.0	CH4/Air	SA152203	4/2/2015	49%
High Gas	80-90	820.0	CH4/Air	SA1610	4/2/2015	82%

System Response Time = 120 seconds

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary	
Facility:	Sprague Searsport
Source/Location:	Tank A3 – Residual Oil
Test Date:	7 June 12 16:18

Day 1

Operator Summary	
Initial Calibration:	A. Stratton
Post Calibration 1:	
Post Calibration 2:	
Post Calibration 3:	

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	2		
Range -	0	-	10000
Calibrant (choose one, x in box)	Propane	x	
	Methane		
Program Molecular Weight:	44.09	g/mol	

Initial Calibration Test Data		
Calibration Gas	Cylinder Concentration	Actual Response
Zero Gas	0	150
High Gas	8483	8484
Response Line		

Response Line = (Ha-Za)/(Hc-Zc)

Post Calibration Summary			
Post Calibration No.	1	2	3
Date			
Time			

Calibration Gas	Cylinder Concentration	Predicted Response	Actual Response	Calibration Error	Acceptance Criteria
Low Gas	3066		3124		< 5% of cylinder concentration
Mid Gas	5010		5022		< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Drift Test Data

Calibration Gas	Cylinder Concentration	Initial Test Response	Final Test Response	Calibration Drift	Acceptance Criteria
Post Cal 1 Zero					< 3% of the measurement range
Post Cal 1 Upscale					< 3% of the measurement range
					Test Run 1 Avg. Conc.
Post Cal 2 Zero					< 3% of the measurement range
Post Cal 2 Upscale					< 3% of the measurement range
					Test Run 2 Avg. Conc.
Post Cal 3 Zero					< 3% of the measurement range
Post Cal 3 Upscale					< 3% of the measurement range
					Test Run 3 Avg. Conc.

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100
Measurement Range

Gas Cylinder Data

Calibration Gas	Required % of Span	Cylinder Concentration	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3066	Propane/Air	SA3275	3/29/12	31 %
Mid Gas	45-55	5010	Propane/Air	SA20684	3/29/15	50 %
High Gas	80-90	8483	Propane/Air	CC110684	4/2/15	85 %

CEMS System Response Time = **seconds**

Method 25A Calibration Data Sheet - Total Hydrocarbons

Source Summary	
Facility:	Sprague Searsport
Source/Location:	Tank #3 Exhaust
Test Date:	20 June 2012

Operator Summary	
Initial Calibration:	D. Stratton
Post Calibration 1:	D. Stratton
Post Calibration 2:	
Post Calibration 3:	

THC Analyzer Data			
Manufacturer -	VIG		
Model/Serial Number -	200/2660406		
Fuel Pressure -	6.5		
Combustion Air Pressure -	5.5		
Sample Pressure -	20		
Range -	0	-	10000
Calibrant (choose one, x in box)	Propane		x
	Methane		
Program Molecular Weight:	44.09	g/mol	

Initial Calibration Test Data		
Calibration Gas	Cylinder Concentration	Actual Response
Zero Gas	0	38
High Gas	8483	847
Response Line		

Response Line = (Ha-Za)/(Hc-Zc)

Post Calibration Summary			
Post Calibration No.	1	2	3
Date			
Time			

Calibration Gas	Cylinder Concentration	Predicted Response	Actual Response	Calibration Error	Acceptance Criteria
Low Gas	3066		3097		< 5% of cylinder concentration
Mid Gas	5010		5010		< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Drift Test Data

Calibration Gas	Cylinder Concentration	Initial Test Response	Final Test Response	Calibration Drift	Acceptance Criteria
Post Cal 1 Zero	0		210		< 3% of the measurement range
Post Cal 1 Upscale	3066		3270		< 3% of the measurement range
					Test Run 1 Avg. Conc.
Post Cal 2 Zero					< 3% of the measurement range
Post Cal 2 Upscale					< 3% of the measurement range
					Test Run 2 Avg. Conc.
Post Cal 3 Zero					< 3% of the measurement range
Post Cal 3 Upscale					< 3% of the measurement range
					Test Run 3 Avg. Conc.

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100 / Measurement Range

Gas Cylinder Data

Calibration Gas	Required % of Span	Cylinder Concentration	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	3066	Propane/Air	SA3275	3/26/2015	
Mid Gas	45-55	5010	Propane/Air	SA20684	3/26/2015	
High Gas	80-90	8483	Propane/Air	CC110684	4/27/2015	

CEMS System Response Time = 120 **seconds**

Method 18 Calibration Data Sheet - Methane

Source Summary	
Facility:	Sprague Searsport
Source/Location:	Tank 3 – Residual Oil
Test Date:	7 June 12 – 16:18

Day 1

Operator Summary	
Initial Calibration:	A. Stratton
Post Calibration 1:	
Post Calibration 2:	
Post Calibration 3:	

THC Analyzer Data		
Manufacturer -	VIG	
Model/Serial Number -	200/2660406	
Fuel Pressure -	~~6.1~~	6.5
Combustion Air Pressure -	~~5.0~~	5.5
Carrier Gas Pressure	~~15.0~~	22
Range - 0 -		1000
Calibrant (choose one, x in box)	Propane	
	Methane	x
Program Molecular Weight:	16.039	g/mol

Initial Calibration Test Data		
Calibration Gas	Cylinder Concentration	Actual Response
Zero Gas	0.0	1
High Gas	820	830
Response Line		

Response Line = (Ha-Za)/(Hc-Zc)

Post Calibration Summary			
Post Calibration No.	1	2	3
Date			
Time			

Calibration Gas	Cylinder Concentration	Predicted Response	Actual Response	Calibration Error	Acceptance Criteria
Low Gas	290		295		< 5% of cylinder concentration
Mid Gas	485		490		< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Drift Test Data

Calibration Gas	Cylinder Concentration	Initial Test Response	Final Test Response	Calibration Drift	Acceptance Criteria
Post Cal 1 Zero					< 3% of the measurement range
Post Cal 1 Upscale					< 3% of the measurement range
					Test Run 1 Avg. Conc.
Post Cal 2 Zero					< 3% of the measurement range
Post Cal 2 Upscale					< 3% of the measurement range
					Test Run 2 Avg. Conc.
Post Cal 3 Zero					< 3% of the measurement range
Post Cal 3 Upscale					< 3% of the measurement range
					Test Run 3 Avg. Conc.

Where:

Calibration Drift = (Final Test Response - Initial Test Response) * 100 / Measurement Range

Gas Cylinder Data

Calibration Gas	Required % of Span	Cylinder Concentration	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air		N/A	0%
Low Gas	25-35	290	CH4/Air	CC198791	4/2/15	
Mid Gas	45-55	485	CH4/Air	SA15002	4/2/15	
High Gas	80-90	820	CH4/Air	SA1010	4/2/15	

CEMS System Response Time = 180 **seconds**

Method 18 Calibration Data Sheet - Methane

Source Summary	
Facility:	Sprague Searsport
Source/Location:	Tank #3 Exhaust
Test Date:	20 June 2012

Operator Summary	
Initial Calibration:	D. Schoville
Post Calibration 1:	D. Schoville
Post Calibration 2:	
Post Calibration 3:	

THC Analyzer Data		
Manufacturer -	VIG	
Model/Serial Number -	200/2660406	
Fuel Pressure -		
Combustion Air Pressure -		
Carrier Gas Pressure		
Range -	0	-
Calibrant (choose one, x in box)	Propane	
	Methane	x
Program Molecular Weight:	16.039	g/mol

Post Calibration Summary			
Post Calibration No.	1	2	3
Date			
Time			

Initial Calibration Test Data		
Calibration Gas	Cylinder Concentration	Actual Response
Zero Gas	0.0	0
High Gas	820	820
Response Line		

Response Line = (Ha-Za)/(Hc-Zc)

Calibration Gas	Cylinder Concentration	Predicted Response	Actual Response	Calibration Error	Acceptance Criteria
Low Gas	290		290		< 5% of cylinder concentration
Mid Gas	485		486		< 5% of cylinder concentration

Where:

Predicted Response = (Cylinder Concentration) x (Response Line)

Calibration Error = (Actual Response - Predicted Response) / Cylinder Concentration x 100

Post Calibration Drift Test Data

Calibration Gas	Cylinder Concentration	Initial Test Response	Final Test Response	Calibration Drift	Acceptance Criteria
Post Cal 1 Zero	0		1		< 3% of the measurement range
Post Cal 1 Upscale	290		292		< 3% of the measurement range
					Test Run 1 Avg. Conc.
Post Cal 2 Zero					< 3% of the measurement range
Post Cal 2 Upscale					< 3% of the measurement range
					Test Run 2 Avg. Conc.
Post Cal 3 Zero					< 3% of the measurement range
Post Cal 3 Upscale					< 3% of the measurement range
					Test Run 3 Avg. Conc.

Where:

$$\text{Calibration Drift} = \frac{(\text{Final Test Response} - \text{Initial Test Response})}{\text{Measurement Range}} * 100$$

Gas Cylinder Data

Calibration Gas	Required % of Span	Cylinder Concentration	Cylinder Composition	Cylinder Number	Expiration Date	Actual % of Span
Fuel	N/A		UHP H2		N/A	N/A
Combustion Air			UHP Air		N/A	
Zero Gas	<0.1%	0	UHP Air	CC198791	N/A	0%
Low Gas	25-35	290	CH4/Air	[illegible]	4/2/15	
Mid Gas	45-55	485	CH4/Air	SA15203	4/2/2015	
High Gas	80-90	820	CH4/Air	SA1616	4/2/2015	

CEMS System Response Time = 120 **seconds**

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	D. Stratton
Date:	~~11-30~~ 13 Jun 12
Time:	11:30

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	200 *
Propane	3066	3151

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	2
Methane	290	292

* It took 12 minutes for the THC zero to drop from 1700 ppm (stack value) to 300 ppm. It took another 12 minutes to drop from 300 ppm to 200 ppm. The 3066 ppm gas instantely came up to 3151.

D. Stratton

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	14 June 2012
Time:	0840

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	150
Propane	3066	3184

Took only 4 minutes to reach 200.

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	2
Methane	290	295

0900 - Methane reading zero, not showing a thing, THC isn't close to in range when I shot the 290 Methane.
Called Anthony to see what was wrong, left message.

- All Set!

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	15 Jun 2012
Time:	1148

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

1st
2nd

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	250 and dropping
Propane	3066	3280

1st ~~2nd~~
3rd ~~4th~~

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	2
Methane	290	298

close off tank 1st to bleed off

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	PT
Date:	6/16/12
Time:	1230

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	322
Propane	3066	3270

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	283

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	JJ
Date:	6/12/12
Time:	0945

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	360
Propane	3066	3298

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	290

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	18 Jun 2012
Time:	0837

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	380 → after 12 minutes
Propane	3066	3230

Zero air took much longer than usual to come down

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	294

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	APA
Date:	19 Jun 2012
Time:	1450

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	210
Propane	3066	3270

Cal went much faster today for zero air After 5 minutes didn't seem to move much from when I turned it on.

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	292

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	A. Strathy
Date:	21 June 2012
Time:	09:23

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	68
Propane	3066	3075
	5010	4963

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	282
	820	805

(after fuel press. adjust.)

Raised methane Fuel pressure to 7.0 because it periodically flamed out. Checked Cal on lower PPM conc. O.K. (AS)

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	6/22/12
Time:	0957

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	50
Propane	3066	3014

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	284

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	ER / DH
Date:	6-23-2012
Time:	1015

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	60
Propane	3066	2945

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	278

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	DH
Date:	6/24/2012
Time:	0925

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	45
Propane	3066	3020

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	289

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	6/25/12
Time:	1505

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at ~~6.5~~ psi 7.0
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	50
Propane	3066	3075

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	292

- Changed Batts on TTE's
- Adjusted Meters to Key.
- Adjusted Gate on number 1 as it was reading positive
- Cal went well, all things considered.

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	A. Sitta Hoy
Date:	2-6 June 2012
Time:	11:40

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	38
Propane	3066	3016

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	289

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	6/27/12
Time:	0950

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	21
Propane	3066	3038

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	289

Normal numbers

THC	Methane
~1000	<100

is there a reason for these being different?

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	6/28/12
Time:	1032

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	14
Propane	3066	3136

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	295

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	6/29/12
Time:	1118

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	19
Propane	3066	3124

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	296

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	BJD
Date:	July 1 -12
Time:	0820

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	33
Propane	3066	3327

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	295

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/2/12
Time:	1335

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	13
Propane	3066	3100

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	298

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/3/12
Time:	1408

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	15
Propane	3066	3100

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	298

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	DH
Date:	7/4/2012
Time:	0720

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	23
Propane	3066	2935

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	303

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/5/12
Time:	1330

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	19
Propane	3066	3165

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	298

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/6/12
Time:	0945

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	9
Propane	3066	3100

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	298

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	Ed Perkins
Date:	7-7-12
Time:	0935

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	30
Propane	3066	3185

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	1
Methane	290	296

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	Dan B
Date:	7/8/12
Time:	0745

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	34
Propane	3066	3158

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	299

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/9/12
Time:	1130

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	14
Propane	3066	3110

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	300

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/10/12
Time:	1500

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	15
Propane	3066	3136

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	306

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/11/12
Time:	1115

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	18
Propane	3066	3100

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	308

↗ still passes, but over the past week getting closer and closer to failing. AFA

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	AFA
Date:	7/12/12
Time:	1032

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	17
Propane	3066	3150

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	308

VIG Monitor Daily Calibration Data Sheet

Daily Calibration Summary	
Facility:	Sprague Searsport
Source/Location:	Residual Oil Tank #3
Technician Initials:	A. Stratton
Date:	13 July 2012
Time:	15:20

VIG Monitor Summary	
Manufacturer -	VIG
Model/Serial Number -	200/2660406
THC Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Methane Monitor Hydrogen Fuel Pressure -	Maintain at 6.5 psi
Combustion Air Pressure -	Maintain at 5.5 psi
Sample Pressure -	Maintain at 2 psi
Carrier Gas Pressure -	Maintain at 22 psi

Total Hydrocarbon Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	41
Propane	3066	3143

Methane Daily Calibration Data		
Calibration Gas	Cylinder Concentration	Monitor Response
Zero Air	0	0
Methane	290	311