AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week** A
Test Period Start Date/Time:	01/11/99 08:42:00 AM
Test Period End Date/Time:	01/19/99 12:17:58 PM
Stove Model Tested:	**P01: HES Trailblazer 2000-C**
Stove Type:	Catalytic

Time

Total Test Period	171.25	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	171.25	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	100.0%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	413	Degrees F	212	Degrees C
Test Facility Ambient Temperature	80	Degrees F	27	Degrees C

ESS Settings

ESS Sampling Rate	1.058	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	15.0	G/Kg
Emission Rate	18.4	G/Hour
Concentration	908	Mg/M3

Fuel

Total Fuel Used	260.2	KG With Moisture
Average Fuel Moisture	24.0%	Percent Dry Basis
Total Fuel Burned	209.8	KG Dry
Average Burn Rate During Stove Operation	1.2	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	32.6%
XAD-2	19.9%
Filter	47.5%
Total	100%

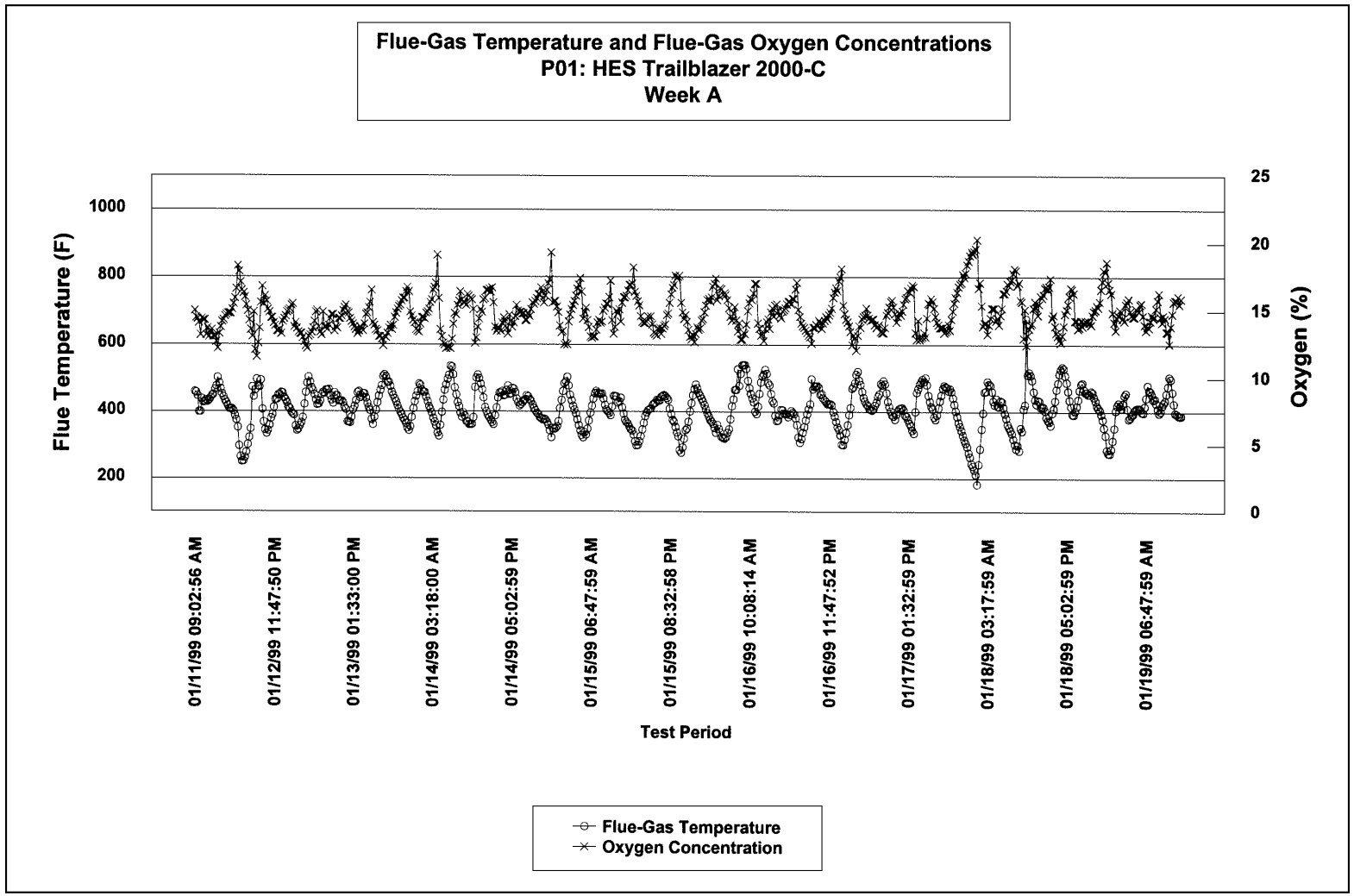
Average Flue-Gas Concentrations

Oxygen (AWES)	14.66	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week B**
Test Period Start Date/Time:	01/19/99 01:32:01 PM
Test Period End Date/Time:	01/26/99 01:32:57 PM
Stove Model Tested:	**P01: HES Trailblazer 2000-C**
Stove Type:	Catalytic

Time

Total Test Period	168.25	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	168.25	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	100.0%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	443	Degrees F	229	Degrees C
Test Facility Ambient Temperature	71	Degrees F	22	Degrees C

ESS Settings

ESS Sampling Rate	1.058	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	12.9	G/Kg
Emission Rate	16.0	G/Hour
Concentration	803	Mg/M3

Fuel

Total Fuel Used	252.9	KG With Moisture
Average Fuel Moisture	21.0%	Percent Dry Basis
Total Fuel Burned	209.0	KG Dry
Average Burn Rate During Stove Operation	1.2	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	32.9%
XAD-2	22.8%
Filter	44.3%
Total	100%

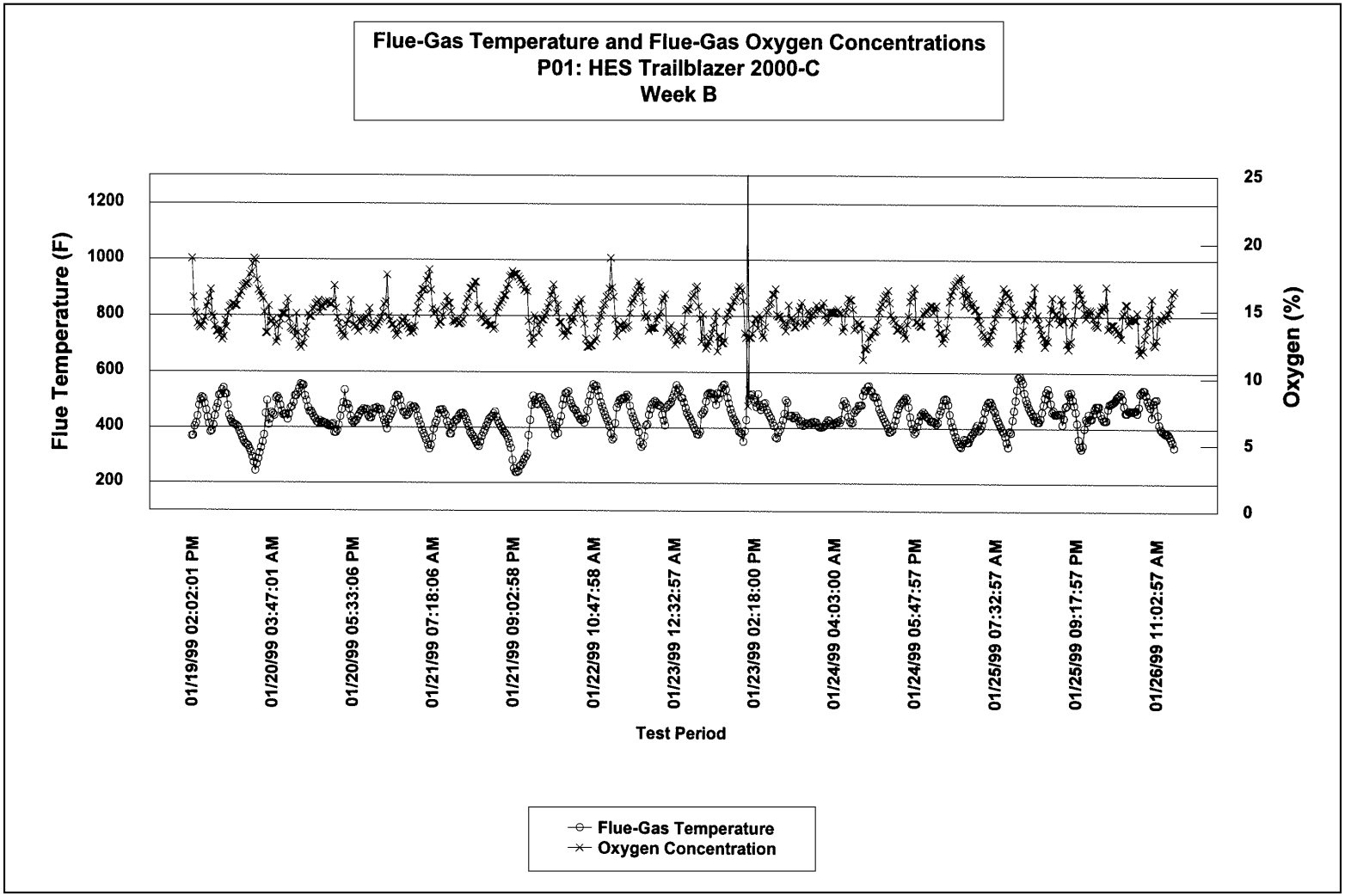
Average Flue-Gas Concentrations

Oxygen (AWES)	14.44	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week C**
Test Period Start Date/Time:	01/26/99 02:47:01 PM
Test Period End Date/Time:	02/02/99 02:32:57 PM
Stove Model Tested:	**P01: HES Trailblazer 2000-C**
Stove Type:	Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	168	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	100.0%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	457	Degrees F	236	Degrees C
Test Facility Ambient Temperature	72	Degrees F	22	Degrees C

ESS Settings

ESS Sampling Rate	1.058	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	13.5	G/Kg
Emission Rate	16.9	G/Hour
Concentration	913	Mg/M3

Fuel

Total Fuel Used	258.9	KG With Moisture
Average Fuel Moisture	22.8%	Percent Dry Basis
Total Fuel Burned	210.9	KG Dry
Average Burn Rate During Stove Operation	1.3	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	52.5%
XAD-2	17.8%
Filter	29.7%
Total	100%

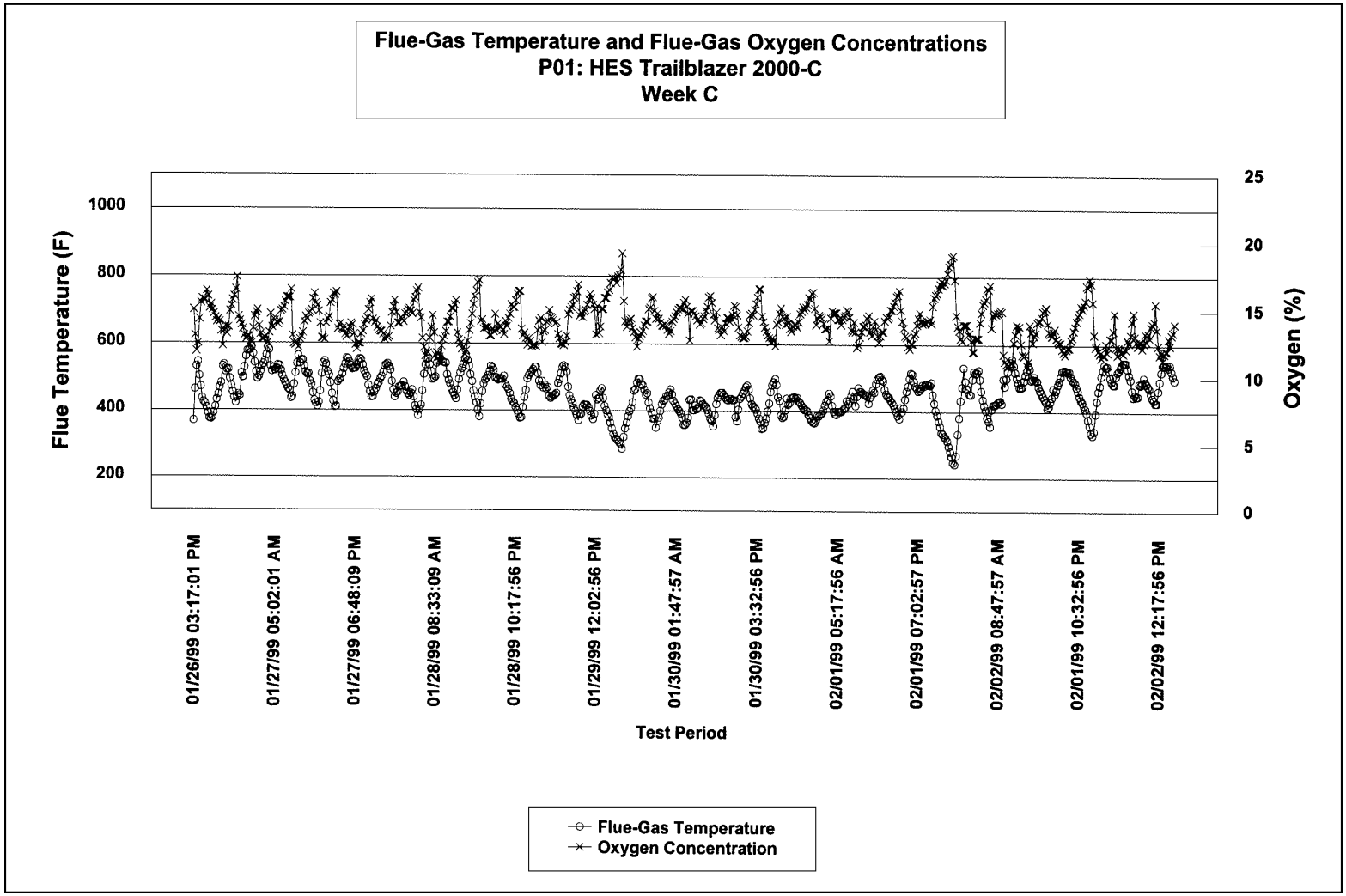
Average Flue-Gas Concentrations

Oxygen (AWES)	13.90	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week A**
Test Period Start Date/Time:	01/13/99 02:02:45 PM
Test Period End Date/Time:	01/20/99 01:47:50 PM
Stove Model Tested:	**P02: Lopi Answer Series**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	92.25	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	54.9%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	311	Degrees F	155	Degrees C
Test Facility Ambient Temperature	76	Degrees F	24	Degrees C

ESS Settings

ESS Sampling Rate	1.124	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	19.4	G/Kg
Emission Rate	12.3	G/Hour
Concentration	553	Mg/M3

Fuel

Total Fuel Used	117.6	KG With Moisture
Average Fuel Moisture	101.2%	Percent Dry Basis
Total Fuel Burned	58.5	KG Dry
Average Burn Rate During Stove Operation	0.6	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	43.9%
XAD-2	16.4%
Filter	39.7%
Total	100%

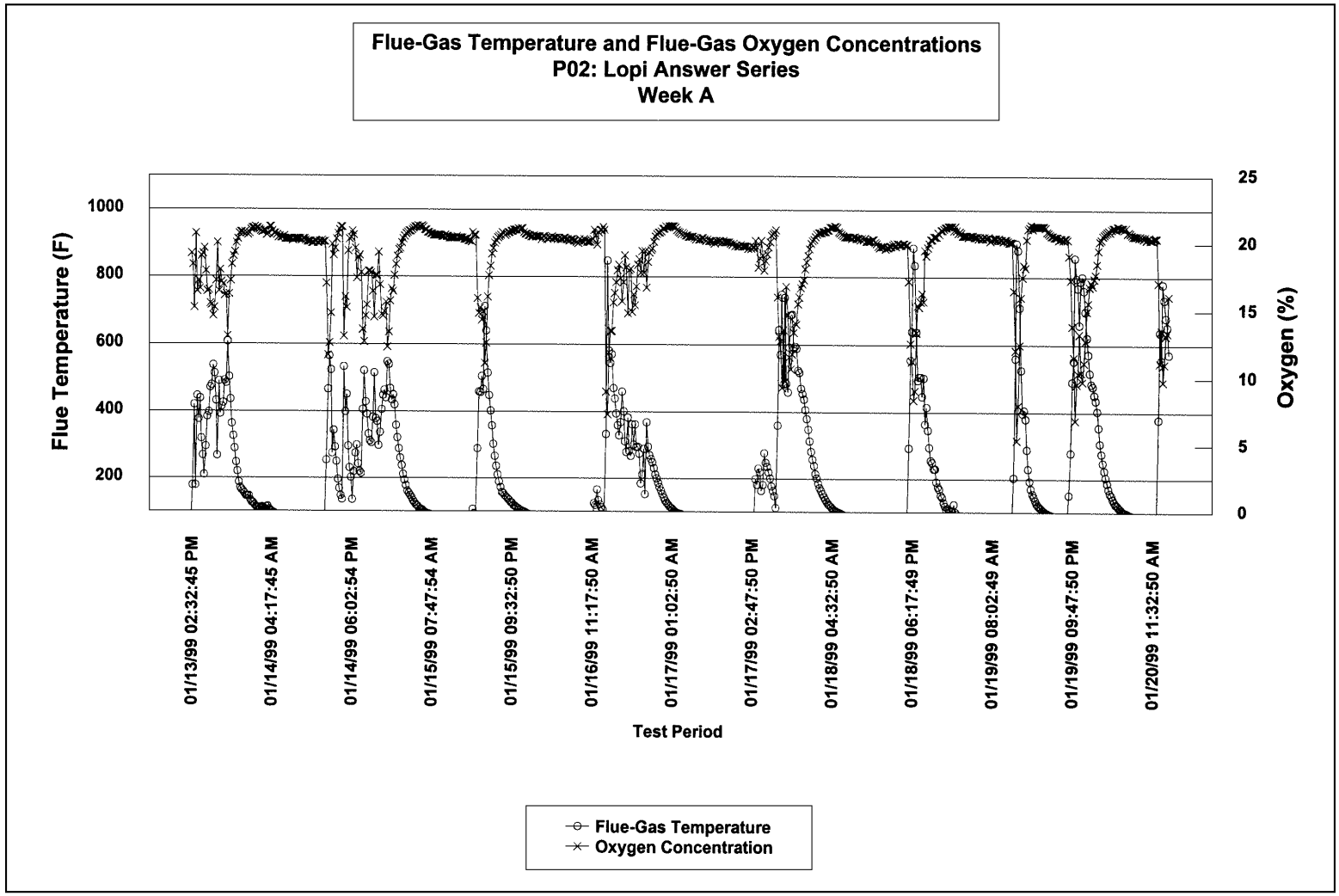
Average Flue-Gas Concentrations

Oxygen (AWES)	18.13	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week B**
Test Period Start Date/Time:	01/20/99 02:48:21 PM
Test Period End Date/Time:	01/27/99 02:32:52 PM
Stove Model Tested:	**P02: Lopi Answer Series**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	**166.75**	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	**114.75**	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	**68.8%**	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	**339**	Degrees F	**170**	Degrees C
Test Facility Ambient Temperature	**78**	Degrees F	**25**	Degrees C

ESS Settings

ESS Sampling Rate	**1.124**	L/Minute
Sample Cycle Duration	**15.00**	Minutes
Sample Time Per Sample Cycle	**120**	Seconds

Particulate Emissions

Emission Factor	**17.5**	G/Kg
Emission Rate	**13.3**	G/Hour
Concentration	**814**	Mg/M3

Fuel

Total Fuel Used	**103.3**	KG With Moisture
Average Fuel Moisture	**18.5%**	Percent Dry Basis
Total Fuel Burned	**87.2**	KG Dry
Average Burn Rate During Stove Operation	**0.8**	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	**32.4%**
XAD-2	**27.7%**
Filter	**39.9%**
Total	**100%**

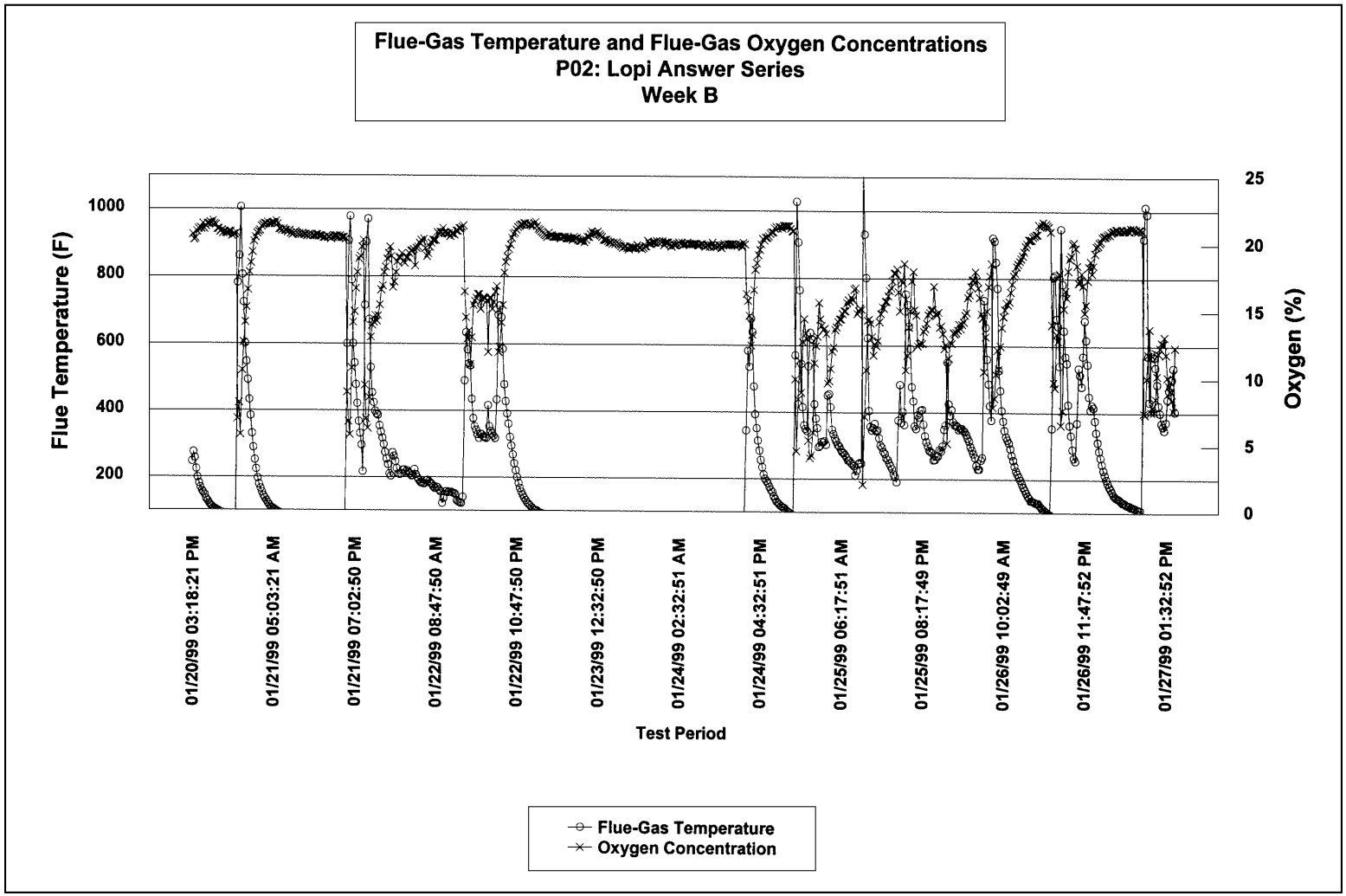
Average Flue-Gas Concentrations

Oxygen (AWES)	**16.50**	Percent

Test Notes:

Test Note Number 1: **Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide**

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week C**
Test Period Start Date/Time:	01/27/99 03:47:00 PM
Test Period End Date/Time:	02/03/99 03:32:51 PM
Stove Model Tested:	**P02: Lopi Answer Series**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	109.5	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	65.2%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	324	Degrees F	162	Degrees C
Test Facility Ambient Temperature	71	Degrees F	22	Degrees C

ESS Settings

ESS Sampling Rate	1.124	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	14.3	G/Kg
Emission Rate	10.3	G/Hour
Concentration	577	Mg/M3

Fuel

Total Fuel Used	99.9	KG With Moisture
Average Fuel Moisture	26.7%	Percent Dry Basis
Total Fuel Burned	78.9	KG Dry
Average Burn Rate During Stove Operation	0.7	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	47.9%
XAD-2	16.9%
Filter	35.2%
Total	100%

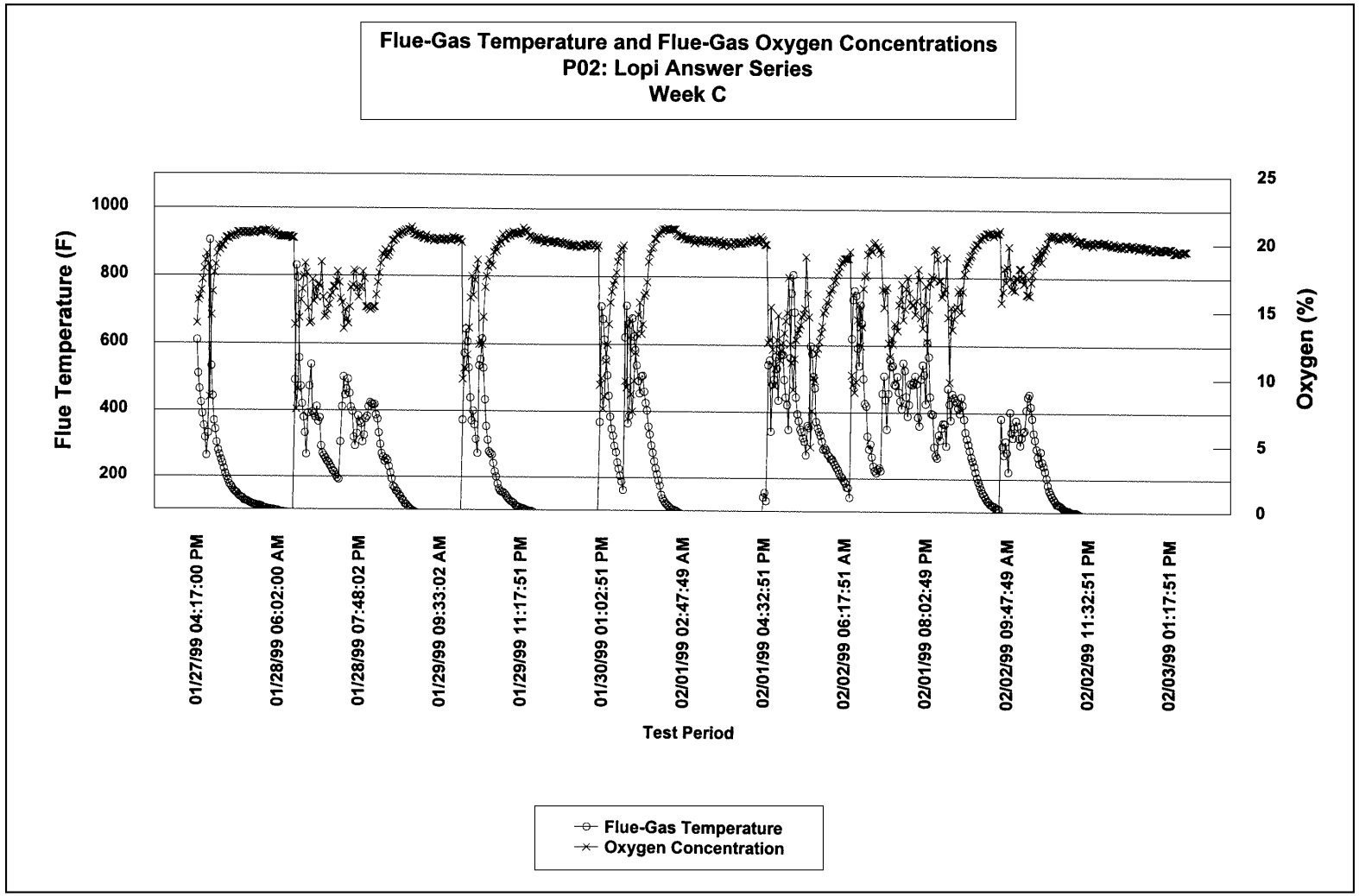
Average Flue-Gas Concentrations

Oxygen (AWES)	17.00	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week A**
Test Period Start Date/Time:	01/12/99 09:17:01 AM
Test Period End Date/Time:	01/19/99 09:48:01 AM
Stove Model Tested:	**P03: Lopi 380-96 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.75	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	34	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	20.1%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	356	Degrees F	180	Degrees C
Test Facility Ambient Temperature	80	Degrees F	26	Degrees C

ESS Settings

ESS Sampling Rate	1.069	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	5.9	G/Kg
Emission Rate	4.7	G/Hour
Concentration	192	Mg/M3

Fuel

Total Fuel Used	32.5	KG With Moisture
Average Fuel Moisture	18.3%	Percent Dry Basis
Total Fuel Burned	27.5	KG Dry
Average Burn Rate During Stove Operation	0.8	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	87.8%
XAD-2	21.1%
Filter	-9.0%
Total	100%

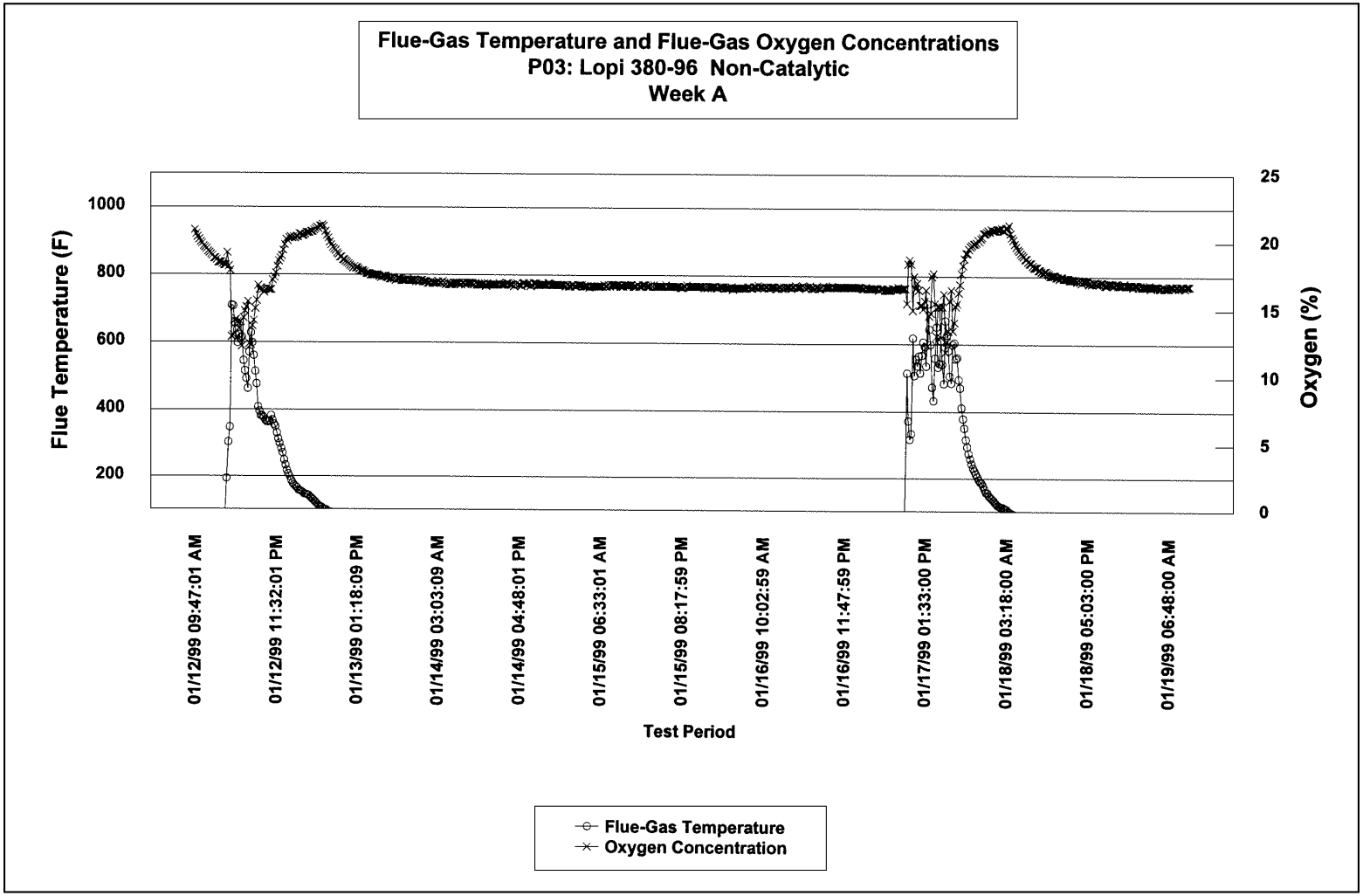
Average Flue-Gas Concentrations

Oxygen (AWES)	17.65	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week B**
Test Period Start Date/Time:	01/19/99 11:17:10 AM
Test Period End Date/Time:	01/26/99 11:48:00 AM
Stove Model Tested:	**P03: Lopi 380-96 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	**168.75**	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	**59.25**	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	**35.1%**	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	**370**	Degrees F	**188**	Degrees C
Test Facility Ambient Temperature	**74**	Degrees F	**24**	Degrees C

ESS Settings

ESS Sampling Rate	**1.069**	L/Minute
Sample Cycle Duration	**15.00**	Minutes
Sample Time Per Sample Cycle	**120**	Seconds

Particulate Emissions

Emission Factor	**7.1**	G/Kg
Emission Rate	**7.4**	G/Hour
Concentration	**215**	Mg/M3

Fuel

Total Fuel Used	**72.8**	KG With Moisture
Average Fuel Moisture	**18.3%**	Percent Dry Basis
Total Fuel Burned	**61.5**	KG Dry
Average Burn Rate During Stove Operation	**1.0**	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	**74.2%**
XAD-2	**13.4%**
Filter	**12.4%**
Total	**100%**

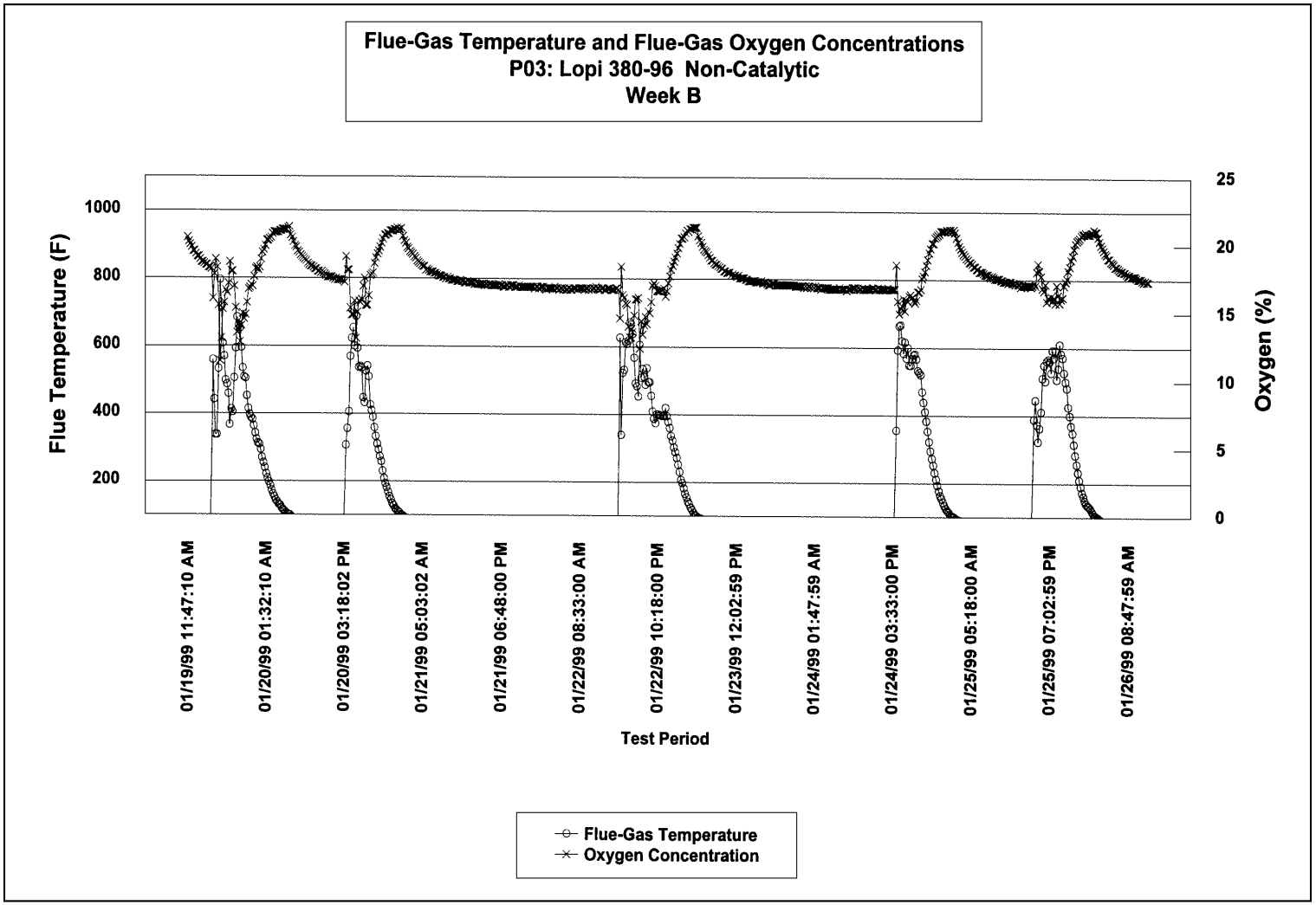
Average Flue-Gas Concentrations

Oxygen (AWES)	**17.89**	Percent

Test Notes:

Test Note Number 1: **Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide**

Test Note Number 2: **STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)**



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week C**
Test Period Start Date/Time:	01/26/99 12:32:01 PM
Test Period End Date/Time:	02/02/99 12:17:58 PM
Stove Model Tested:	**P03: Lopi 380-96 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	68.75	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	40.9%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	367	Degrees F	186	Degrees C
Test Facility Ambient Temperature	74	Degrees F	23	Degrees C

ESS Settings

ESS Sampling Rate	1.069	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	5.8	G/Kg
Emission Rate	5.8	G/Hour
Concentration	188	Mg/M3

Fuel

Total Fuel Used	85.4	KG With Moisture
Average Fuel Moisture	23.3%	Percent Dry Basis
Total Fuel Burned	69.2	KG Dry
Average Burn Rate During Stove Operation	1.0	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	77.8%
XAD-2	21.0%
Filter	1.2%
Total	100%

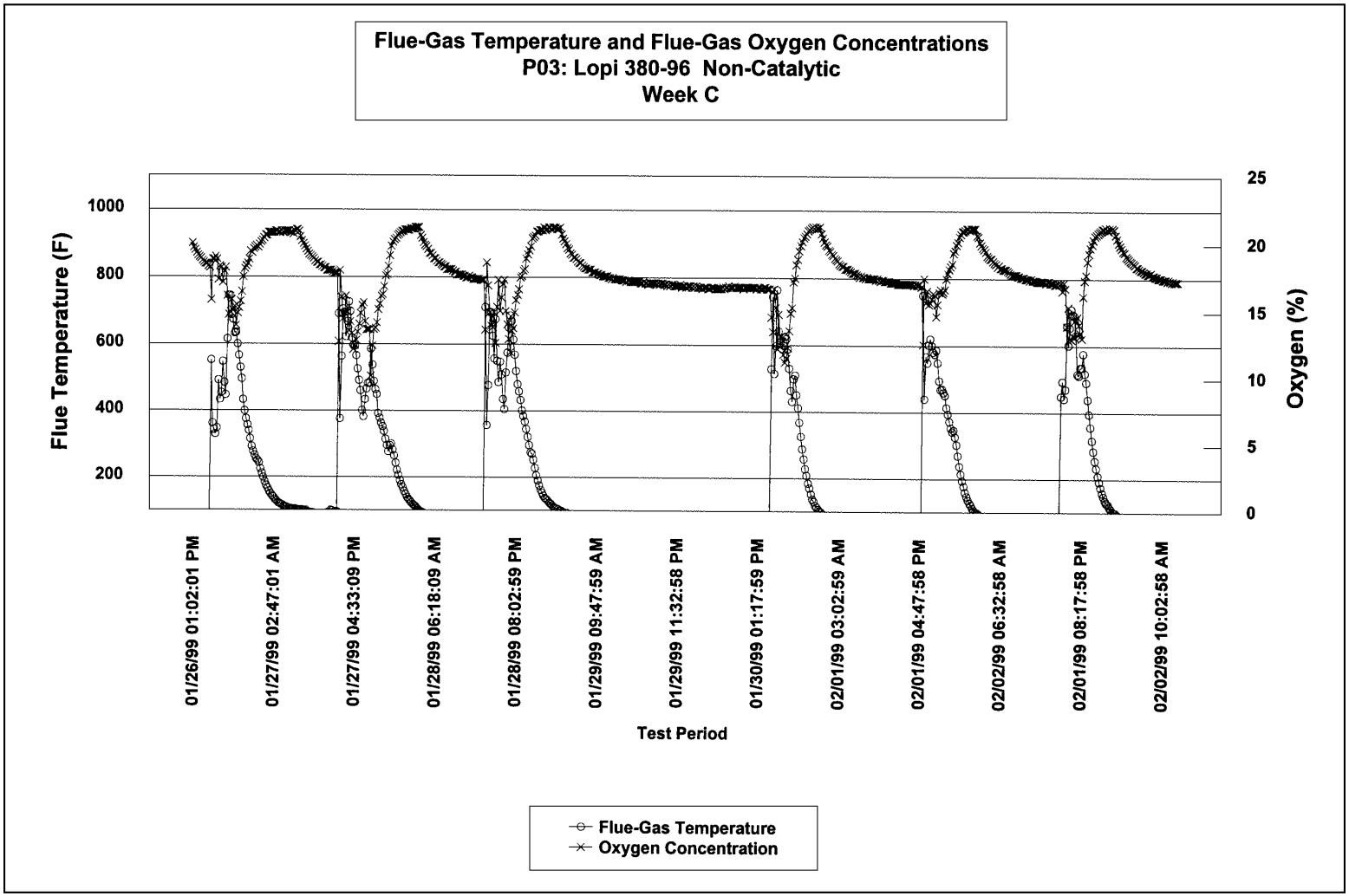
Average Flue-Gas Concentrations

Oxygen (AWES)	17.76	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week A**
Test Period Start Date/Time:	01/13/99 11:02:01 AM
Test Period End Date/Time:	01/20/99 11:02:58 AM
Stove Model Tested:	**P04: Lopi Flushbay-96 Catalytic**
Stove Type:	Catalytic

Time

Total Test Period	168.25	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	95.25	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	56.6%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	285	Degrees F	141	Degrees C
Test Facility Ambient Temperature	77	Degrees F	25	Degrees C

ESS Settings

ESS Sampling Rate	1.145	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	5.4	G/Kg
Emission Rate	4.0	G/Hour
Concentration	206	Mg/M3

Fuel

Total Fuel Used	83.6	KG With Moisture
Average Fuel Moisture	18.3%	Percent Dry Basis
Total Fuel Burned	70.7	KG Dry
Average Burn Rate During Stove Operation	0.7	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	54.2%
XAD-2	19.2%
Filter	26.6%
Total	100%

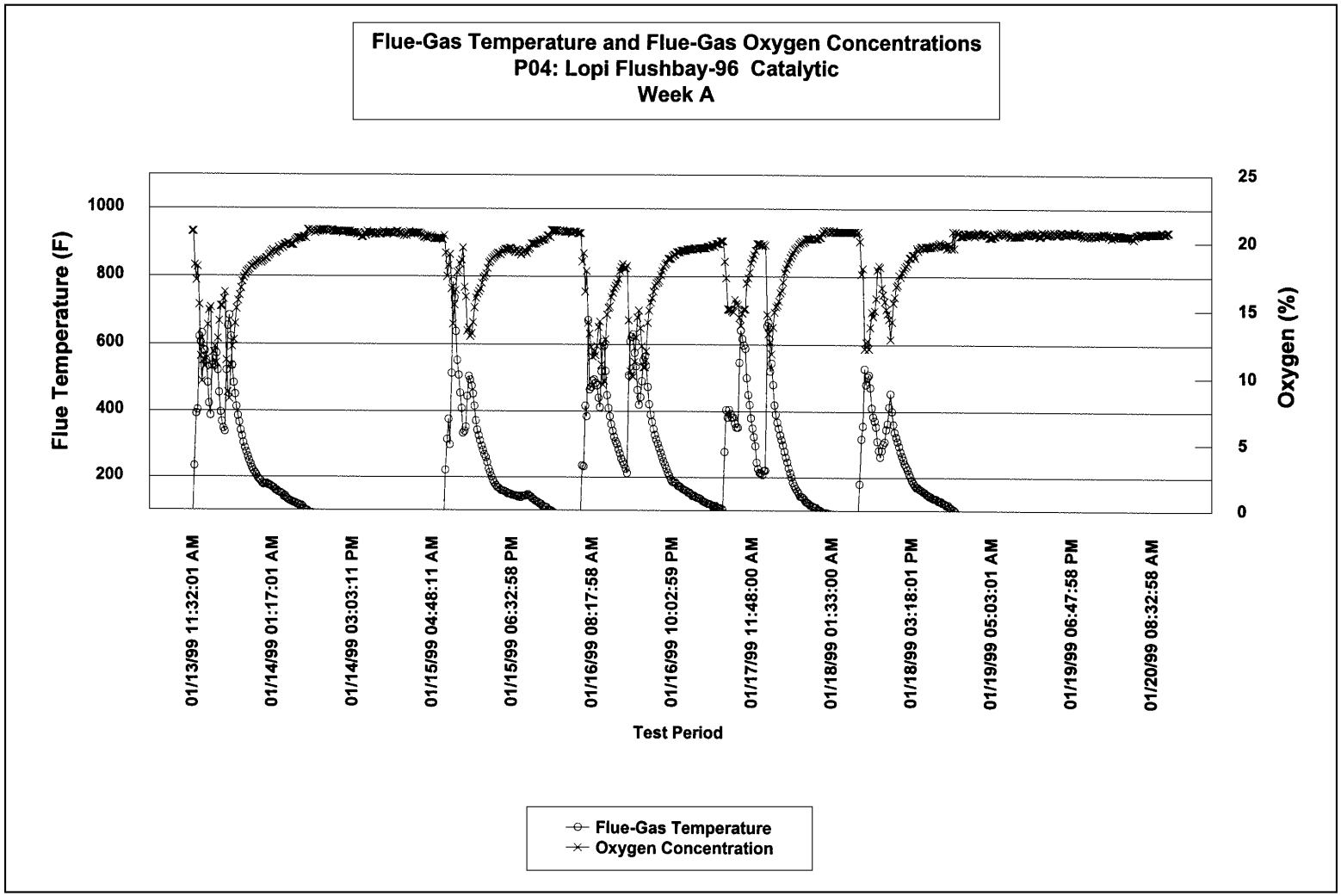
Average Flue-Gas Concentrations

Oxygen (AWES)	17.16	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location: Portland, Oregon USA
Test Run Number: Week B
Test Period Start Date/Time: 01/20/99 01:17:00 PM
Test Period End Date/Time: 01/27/99 01:02:58 PM
Stove Model Tested: **P04: Lopi Flushbay-96 Catalytic**
Stove Type: Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	117	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	69.6%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	327	Degrees F	164	Degrees C
Test Facility Ambient Temperature	75	Degrees F	24	Degrees C

ESS Settings

ESS Sampling Rate	1.145	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	5.0	G/Kg
Emission Rate	4.7	G/Hour
Concentration	213	Mg/M3

Fuel

Total Fuel Used	130.0	KG With Moisture
Average Fuel Moisture	18.5%	Percent Dry Basis
Total Fuel Burned	109.7	KG Dry
Average Burn Rate During Stove Operation	0.9	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	51.7%
XAD-2	17.2%
Filter	31.1%
Total	100%

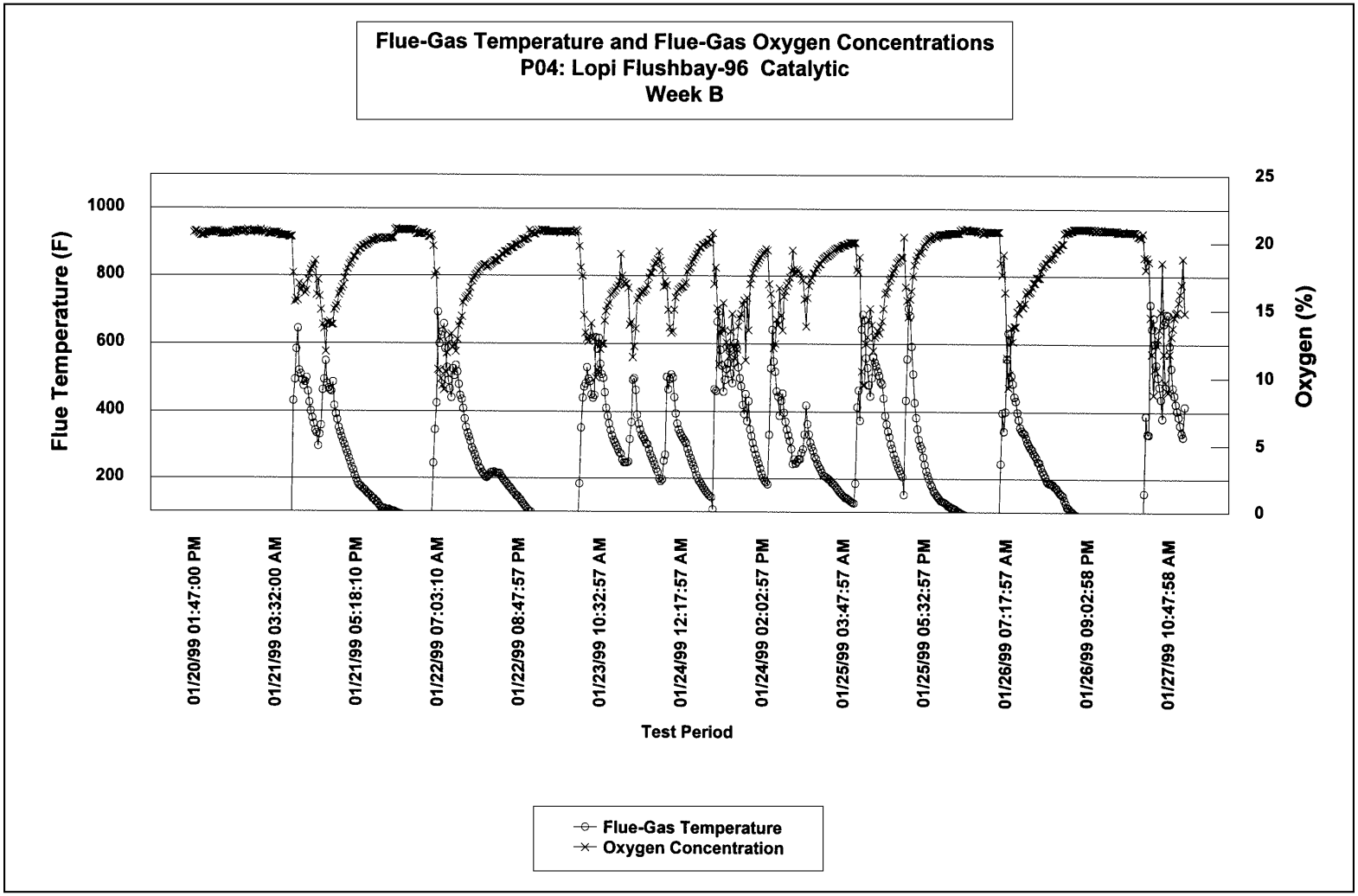
Average Flue-Gas Concentrations

Oxygen (AWES)	16.70	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location: Portland, Oregon USA
Test Run Number: Week C
Test Period Start Date/Time: 01/27/99 02:32:00 PM
Test Period End Date/Time: 02/03/99 02:17:58 PM
Stove Model Tested: **P04: Lopi Flushbay-96 Catalytic**
Stove Type: Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	116.75	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	69.5%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	279	Degrees F	137	Degrees C
Test Facility Ambient Temperature	75	Degrees F	24	Degrees C

ESS Settings

ESS Sampling Rate	1.145	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	5.9	G/Kg
Emission Rate	3.9	G/Hour
Concentration	198	Mg/M3

Fuel

Total Fuel Used	91.1	KG With Moisture
Average Fuel Moisture	18.4%	Percent Dry Basis
Total Fuel Burned	77.0	KG Dry
Average Burn Rate During Stove Operation	0.7	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	63.1%
XAD-2	12.9%
Filter	23.9%
Total	100%

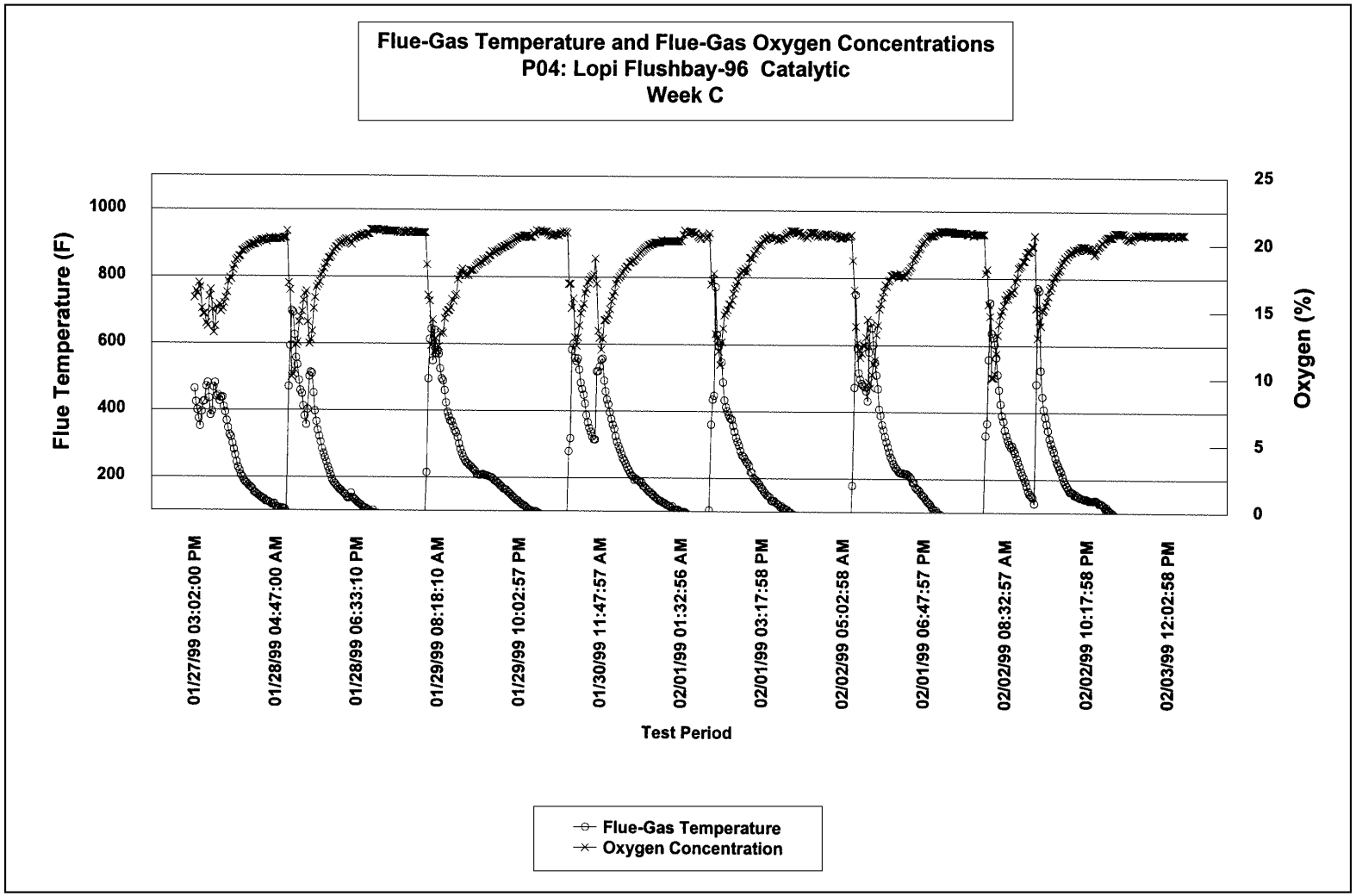
Average Flue-Gas Concentrations

Oxygen (AWES)	17.62	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



File: P04-c3.123 Printed: 07/26/99 at 03:57:01 PM

AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week A**
Test Period Start Date/Time:	01/14/99 09:33:02 AM
Test Period End Date/Time:	01/21/99 08:32:58 AM
Stove Model Tested:	**P05: Lopi Flex-95 Catalytic**
Stove Type:	Catalytic

Time

Total Test Period	167.25	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	20	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	12.0%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	334	Degrees F	168	Degrees C
Test Facility Ambient Temperature	73	Degrees F	23	Degrees C

ESS Settings

ESS Sampling Rate	1.038	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	7.0	G/Kg
Emission Rate	14.3	G/Hour
Concentration	169	Mg/M3

Fuel

Total Fuel Used	48.6	KG With Moisture
Average Fuel Moisture	19.3%	Percent Dry Basis
Total Fuel Burned	40.7	KG Dry
Average Burn Rate During Stove Operation	2.0	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	133.8%
XAD-2	21.4%
Filter	-55.2%
Total	100%

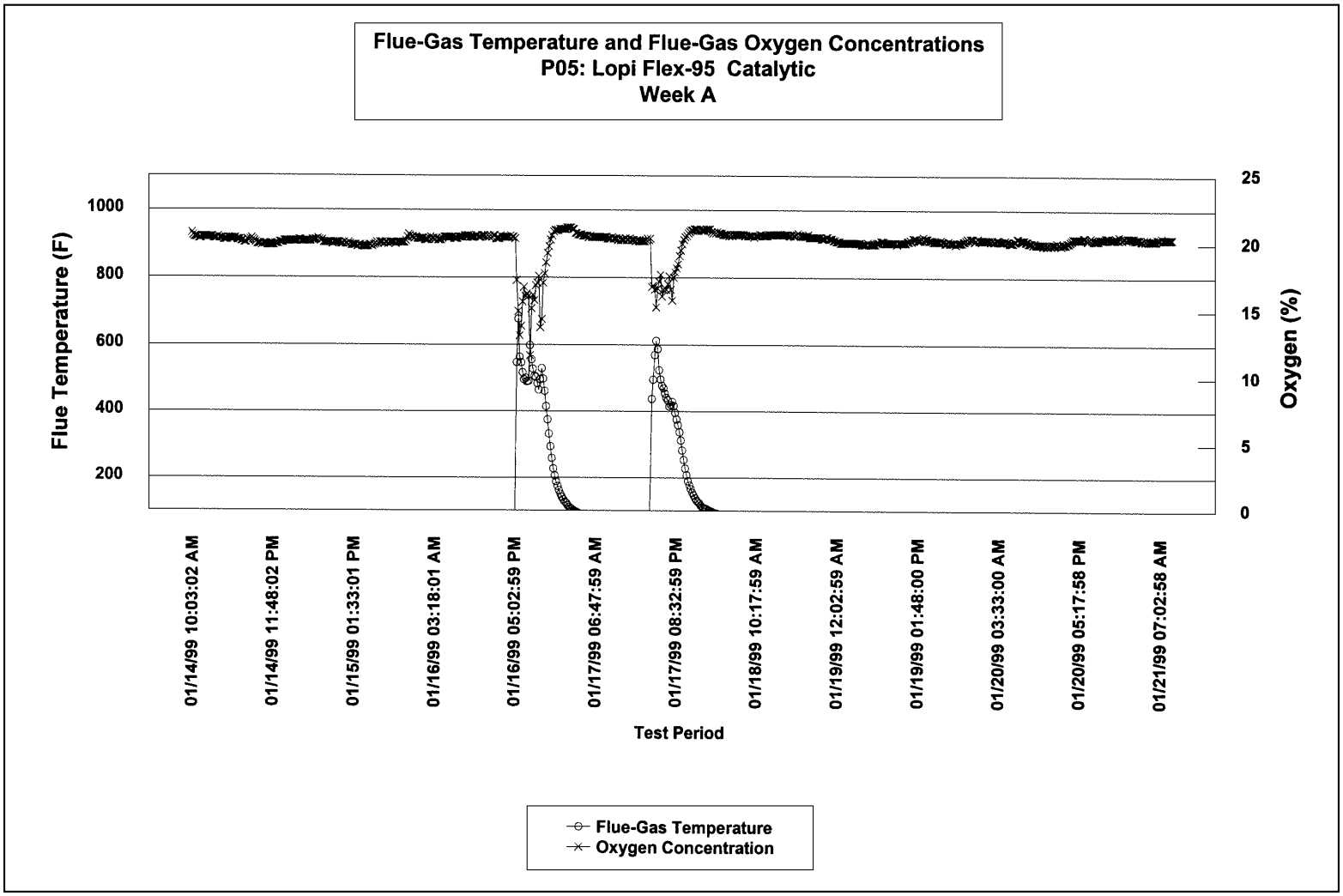
Average Flue-Gas Concentrations

Oxygen (AWES)	18.50	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location: Portland, Oregon USA
Test Run Number: Week B
Test Period Start Date/Time: 01/22/99 03:32:02 PM
Test Period End Date/Time: 01/29/99 03:17:54 PM
Stove Model Tested: **P05: Lopi Flex-95 Catalytic**
Stove Type: Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	33.5	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	19.9%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	403	Degrees F	206	Degrees C
Test Facility Ambient Temperature	72	Degrees F	22	Degrees C

ESS Settings

ESS Sampling Rate	1.038	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	6.4	G/Kg
Emission Rate	5.3	G/Hour
Concentration	180	Mg/M3

Fuel

Total Fuel Used	32.7	KG With Moisture
Average Fuel Moisture	19.0%	Percent Dry Basis
Total Fuel Burned	27.5	KG Dry
Average Burn Rate During Stove Operation	0.8	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	103.6%
XAD-2	7.8%
Filter	-11.4%
Total	100%

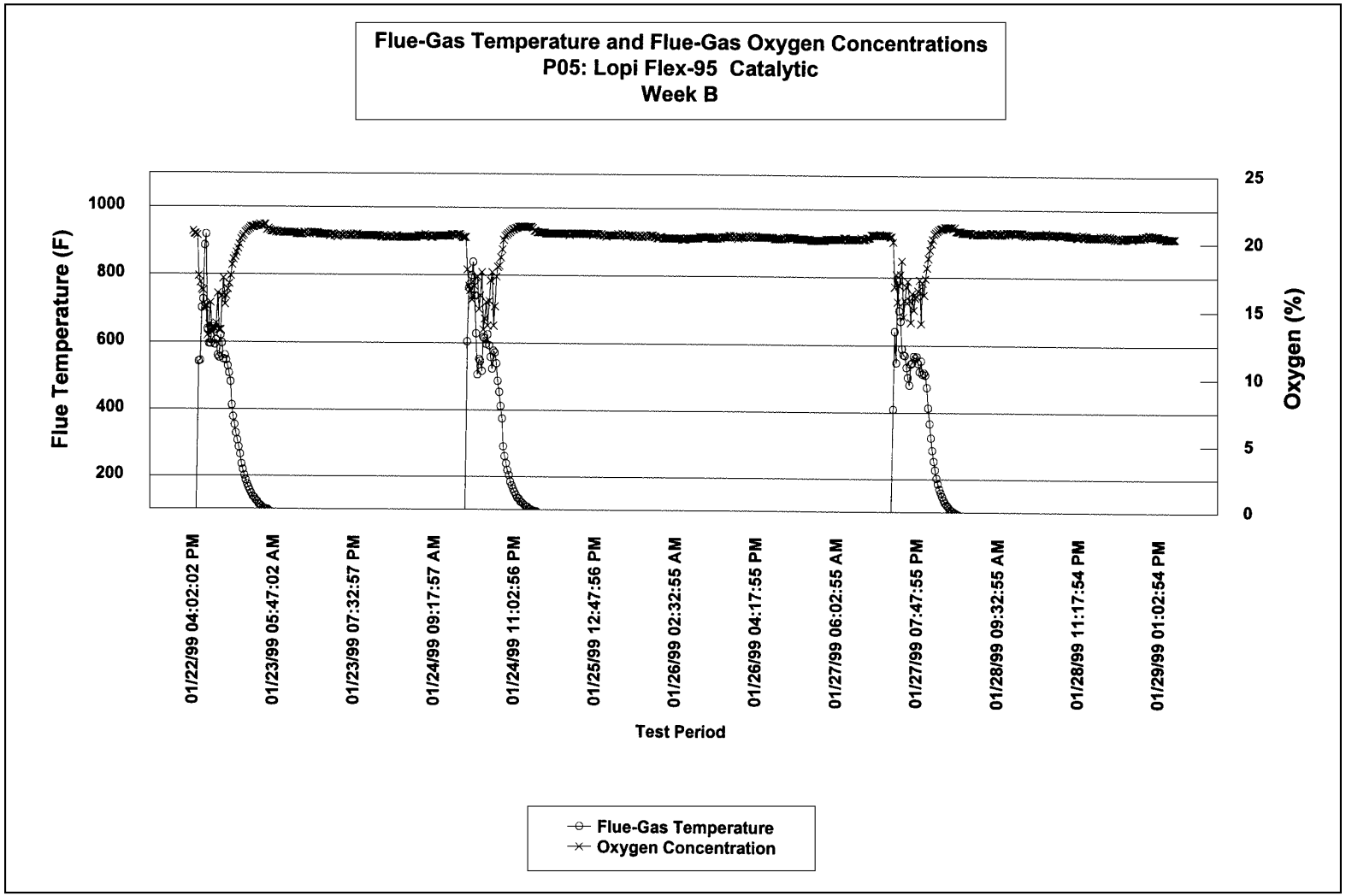
Average Flue-Gas Concentrations

Oxygen (AWES)	18.12	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



File: P05-b3.123 Printed: 07/26/99 at 03:57:42 PM

AWES-Emissions Results

Project Name: ERG/EPA

Residence Location: Portland, Oregon USA
Test Run Number: Week C
Test Period Start Date/Time: 01/30/99 11:02:01 AM
Test Period End Date/Time: 02/06/99 10:48:00 AM
Stove Model Tested: **P05: Lopi Flex-95 Catalytic**
Stove Type: Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	33.75	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	20.1%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	372	Degrees F	189	Degrees C
Test Facility Ambient Temperature	70	Degrees F	21	Degrees C

ESS Settings

ESS Sampling Rate	1.038	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	4.4	G/Kg
Emission Rate	4.2	G/Hour
Concentration	114	Mg/M3

Fuel

Total Fuel Used	38.1	KG With Moisture
Average Fuel Moisture	19.0%	Percent Dry Basis
Total Fuel Burned	32.0	KG Dry
Average Burn Rate During Stove Operation	0.9	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	60.0%
XAD-2	20.0%
Filter	20.0%
Total	100%

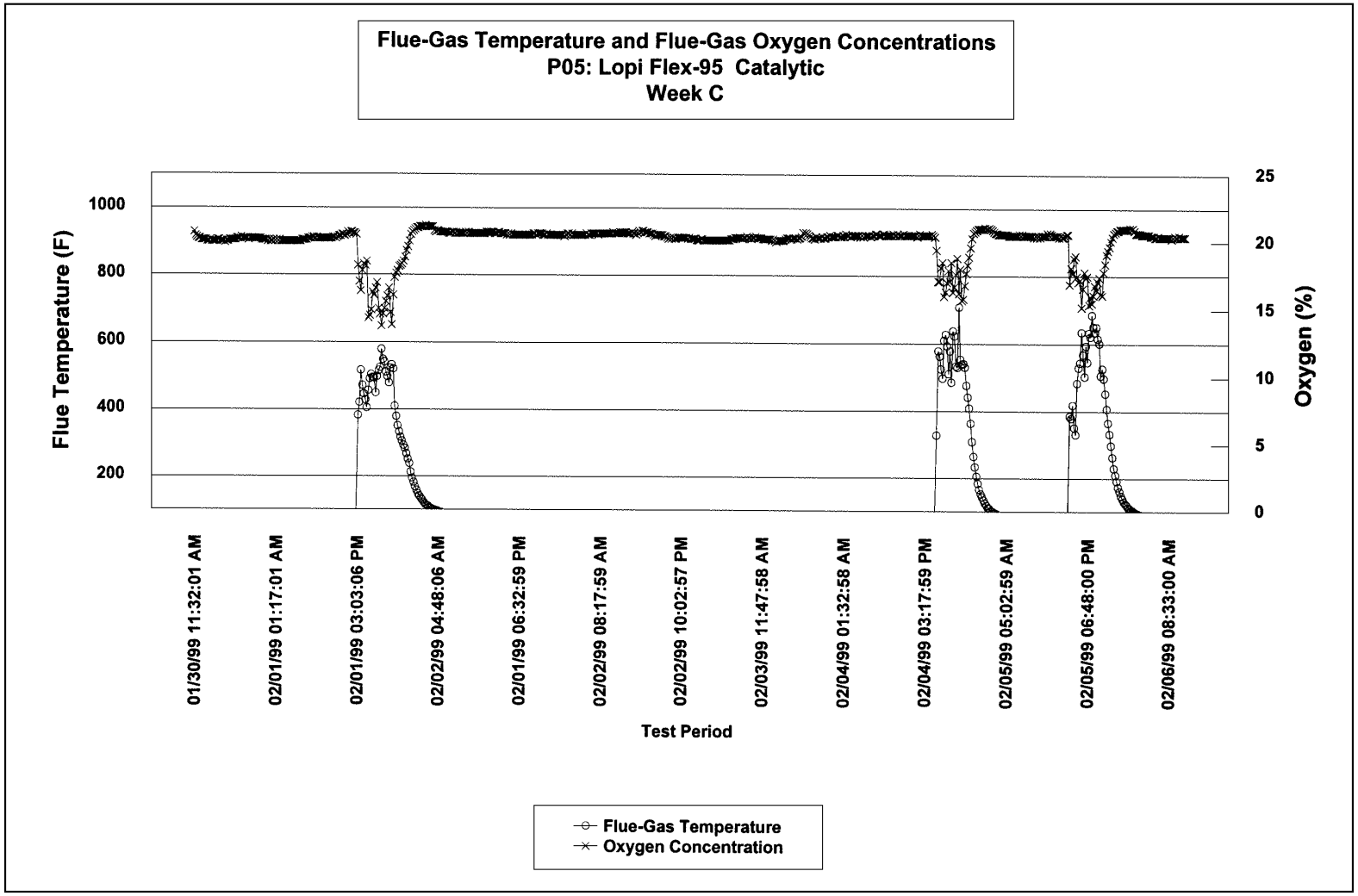
Average Flue-Gas Concentrations

Oxygen (AWES)	18.32	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week A**
Test Period Start Date/Time:	01/23/99 10:47:01 AM
Test Period End Date/Time:	01/30/99 10:32:59 AM
Stove Model Tested:	**P06: Pacific Energy Super-27 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	139	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	82.7%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	475	Degrees F	246	Degrees C
Test Facility Ambient Temperature	71	Degrees F	22	Degrees C

ESS Settings

ESS Sampling Rate	1.042	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	9.1	G/Kg
Emission Rate	13.5	G/Hour
Concentration	508	Mg/M3

Fuel

Total Fuel Used	412.5	KG With Moisture
Average Fuel Moisture	100.8%	Percent Dry Basis
Total Fuel Burned	205.4	KG Dry
Average Burn Rate During Stove Operation	1.5	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	39.6%
XAD-2	11.7%
Filter	48.6%
Total	100%

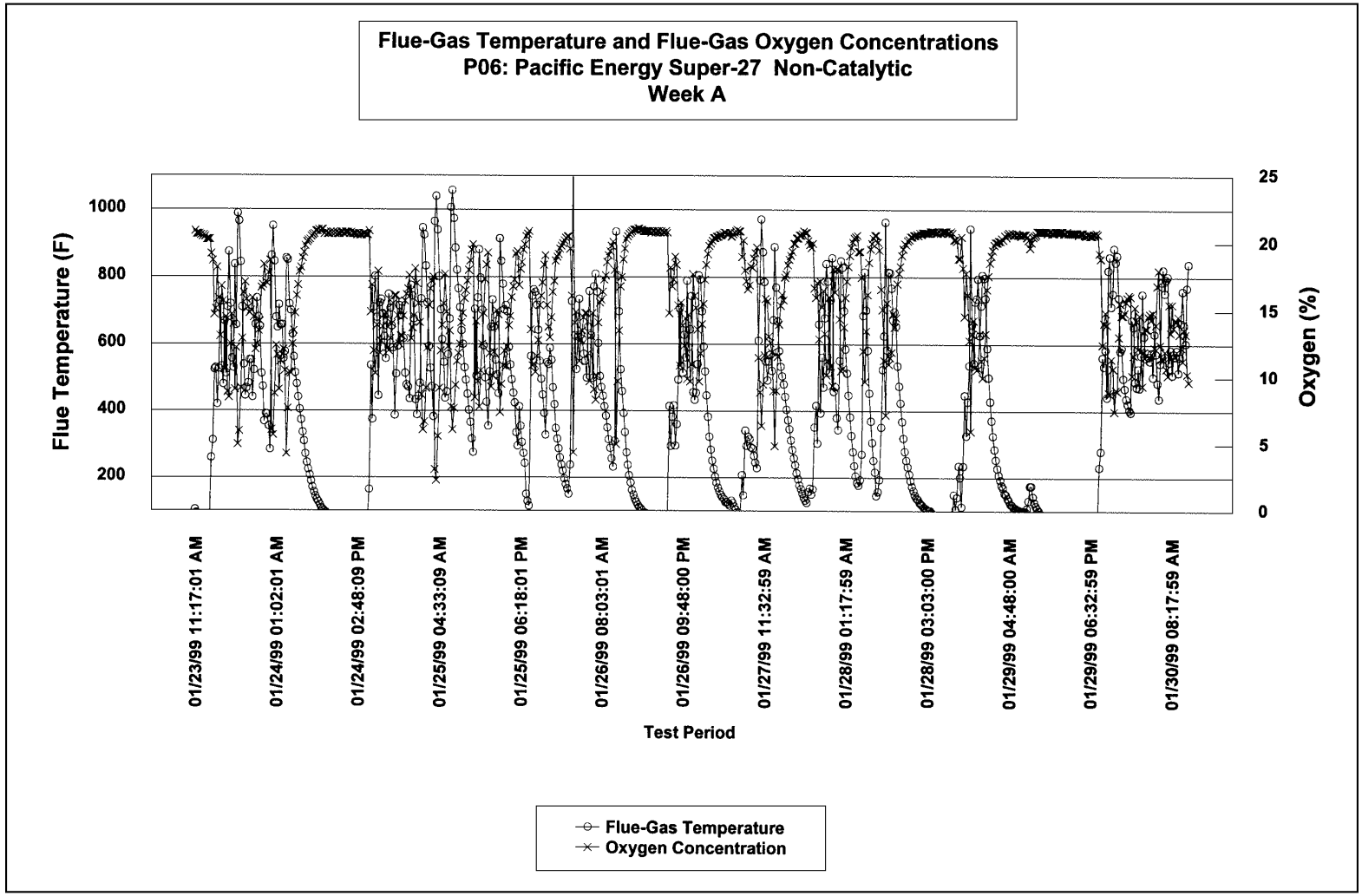
Average Flue-Gas Concentrations

Oxygen (AWES)	15.52	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



File: P06-a3.123 Printed: 07/26/99 at 03:58:41 PM

AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week B**
Test Period Start Date/Time:	01/30/99 04:17:00 PM
Test Period End Date/Time:	02/06/99 04:02:57 PM
Stove Model Tested:	**P06: Pacific Energy Super-27 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	142	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	84.5%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	464	Degrees F	240	Degrees C
Test Facility Ambient Temperature	69	Degrees F	21	Degrees C

ESS Settings

ESS Sampling Rate	1.042	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	14.7	G/Kg
Emission Rate	18.9	G/Hour
Concentration	813	Mg/M3

Fuel

Total Fuel Used	373.1	KG With Moisture
Average Fuel Moisture	105.0%	Percent Dry Basis
Total Fuel Burned	182.0	KG Dry
Average Burn Rate During Stove Operation	1.3	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	29.5%
XAD-2	36.9%
Filter	33.5%
Total	100%

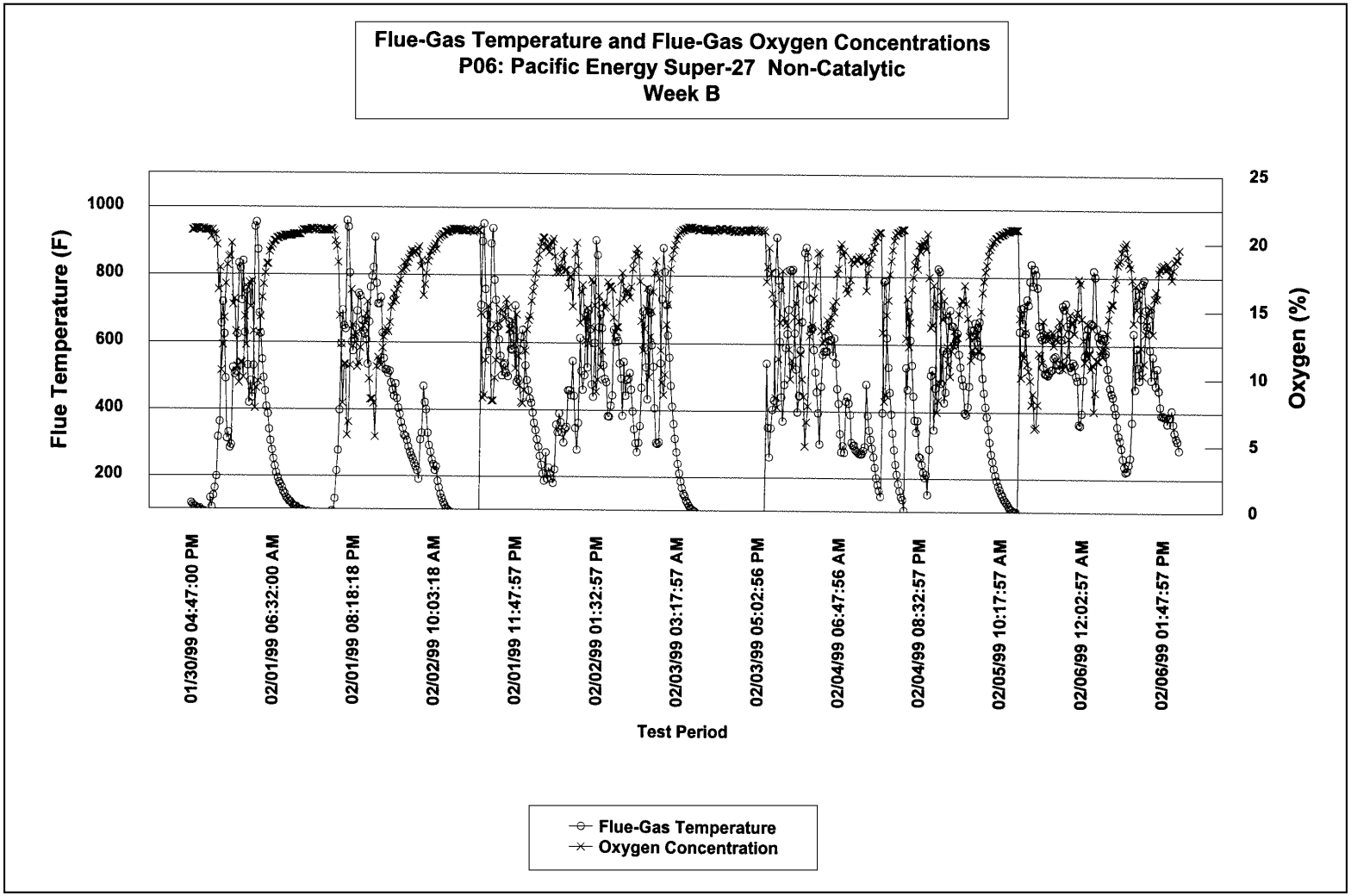
Average Flue-Gas Concentrations

Oxygen (AWES)	15.55	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week C**
Test Period Start Date/Time:	02/07/99 12:47:00 PM
Test Period End Date/Time:	02/14/99 11:17:58 AM
Stove Model Tested:	**P06: Pacific Energy Super-27 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	**166.75**	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	**152.75**	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	**91.6%**	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	**485**	Degrees F	**252**	Degrees C
Test Facility Ambient Temperature	**72**	Degrees F	**22**	Degrees C

ESS Settings

ESS Sampling Rate	**1.042**	L/Minute
Sample Cycle Duration	**15.00**	Minutes
Sample Time Per Sample Cycle	**120**	Seconds

Particulate Emissions

Emission Factor	**8.7**	G/Kg
Emission Rate	**10.0**	G/Hour
Concentration	**616**	Mg/M3

Fuel

Total Fuel Used	**351.7**	KG With Moisture
Average Fuel Moisture	**101.2%**	Percent Dry Basis
Total Fuel Burned	**174.9**	KG Dry
Average Burn Rate During Stove Operation	**1.1**	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	**39.9%**
XAD-2	**13.9%**
Filter	**46.2%**
Total	**100%**

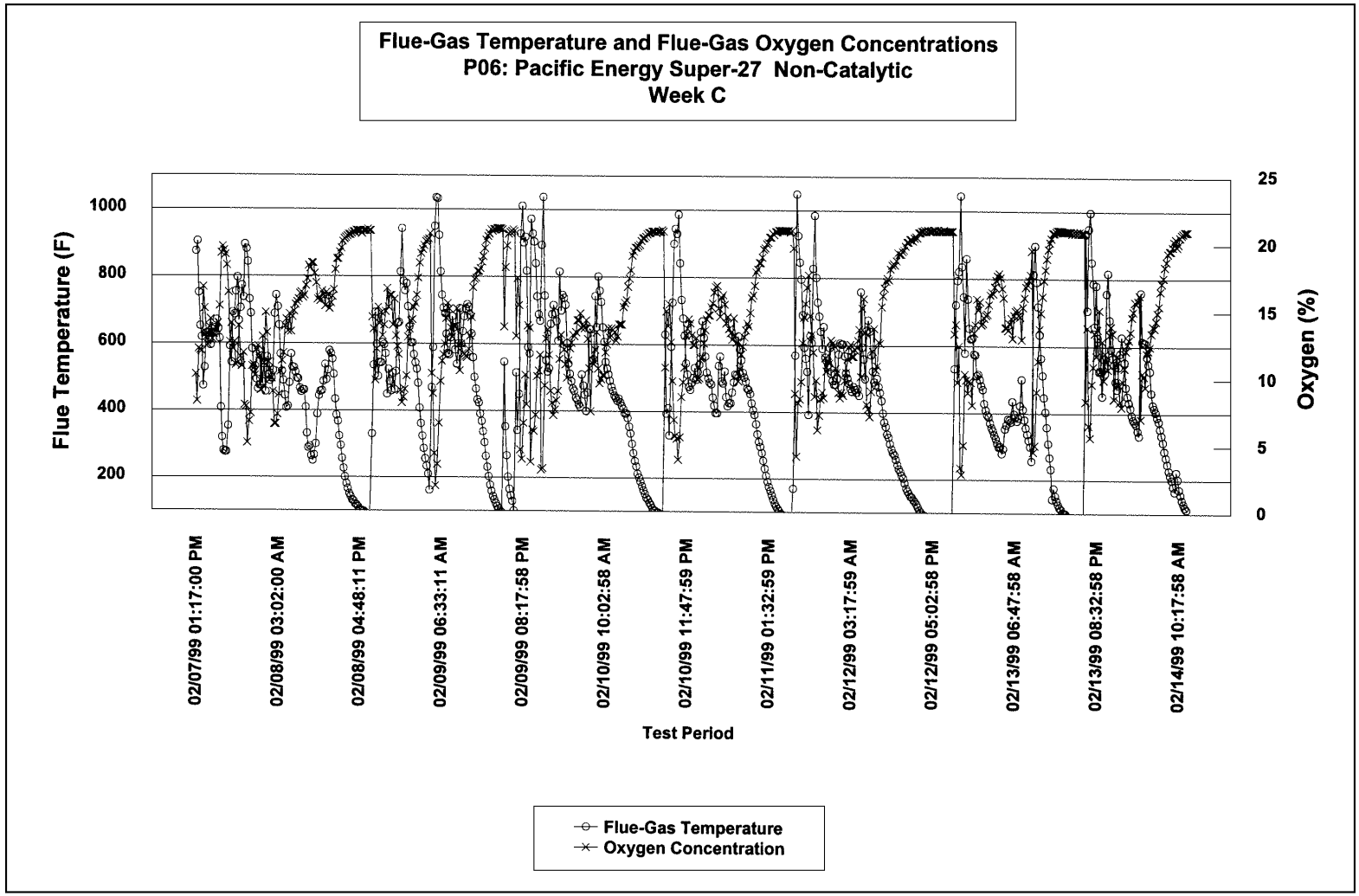
Average Flue-Gas Concentrations

Oxygen (AWES)	**14.07**	Percent

Test Notes:

Test Note Number 1: **Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide**

Test Note Number 2: **STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)**



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week A**
Test Period Start Date/Time:	01/20/99 09:17:00 AM
Test Period End Date/Time:	01/27/99 09:02:58 AM
Stove Model Tested:	**P07: Lopi 520/96 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	168	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	100.0%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	348	Degrees F	176	Degrees C
Test Facility Ambient Temperature	69	Degrees F	21	Degrees C

ESS Settings

ESS Sampling Rate	1.109	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	18.4	G/Kg
Emission Rate	26.6	G/Hour
Concentration	1097	Mg/M3

Fuel

Total Fuel Used	487.2	KG With Moisture
Average Fuel Moisture	101.2%	Percent Dry Basis
Total Fuel Burned	242.2	KG Dry
Average Burn Rate During Stove Operation	1.4	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	20.4%
XAD-2	20.0%
Filter	59.6%
Total	100%

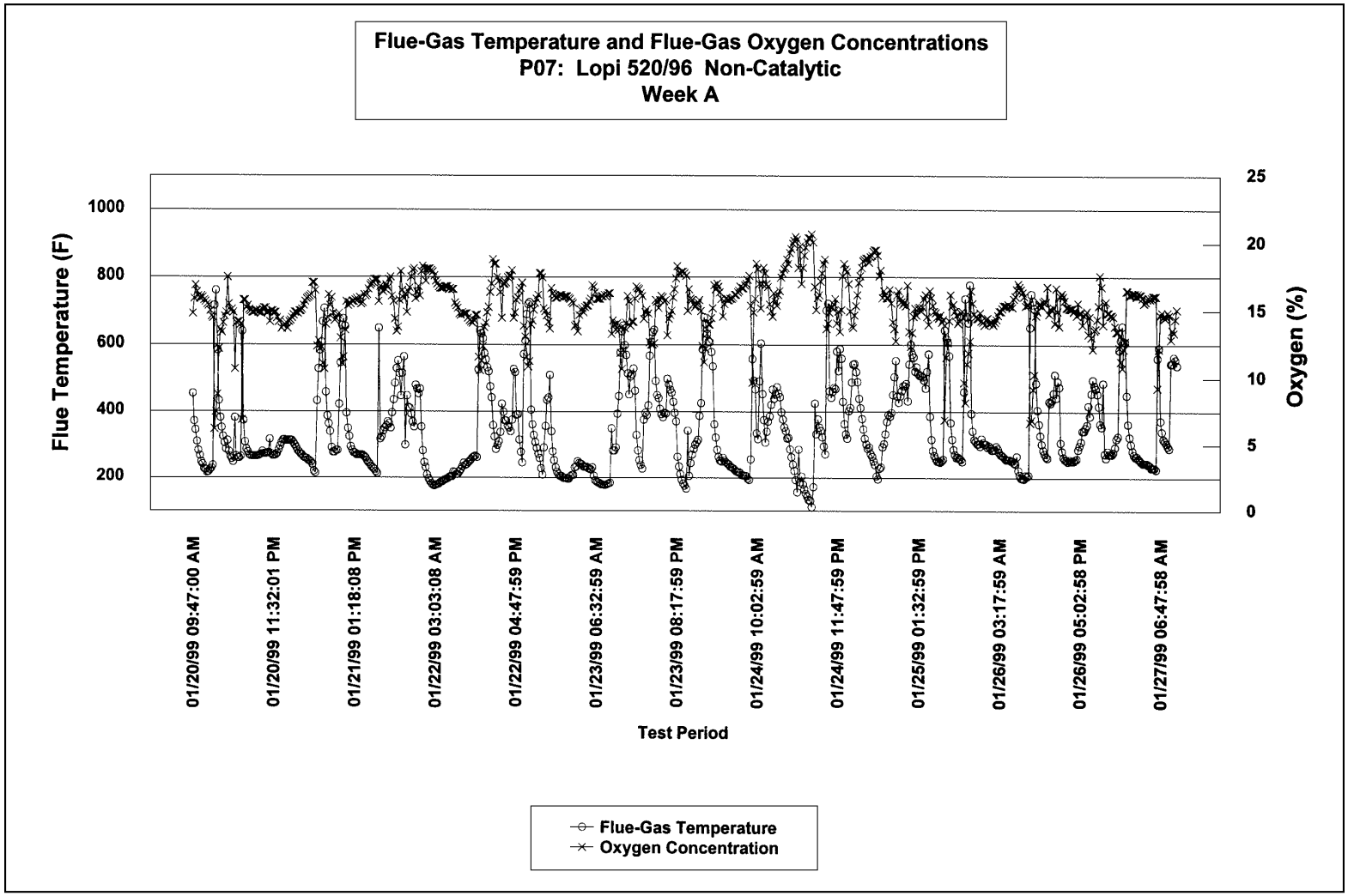
Average Flue-Gas Concentrations

Oxygen (AWES)	15.14	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week B**
Test Period Start Date/Time:	01/27/99 11:32:01 AM
Test Period End Date/Time:	02/03/99 11:17:59 AM
Stove Model Tested:	**P07: Lopi 520/96 Non-Catalytic**
Stove Type:	New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	168	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	100.0%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	327	Degrees F	164	Degrees C
Test Facility Ambient Temperature	69	Degrees F	21	Degrees C

ESS Settings

ESS Sampling Rate	1.109	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	18.5	G/Kg
Emission Rate	27.7	G/Hour
Concentration	1099	Mg/M3

Fuel

Total Fuel Used	517.4	KG With Moisture
Average Fuel Moisture	105.0%	Percent Dry Basis
Total Fuel Burned	252.4	KG Dry
Average Burn Rate During Stove Operation	1.5	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	24.9%
XAD-2	19.1%
Filter	56.0%
Total	100%

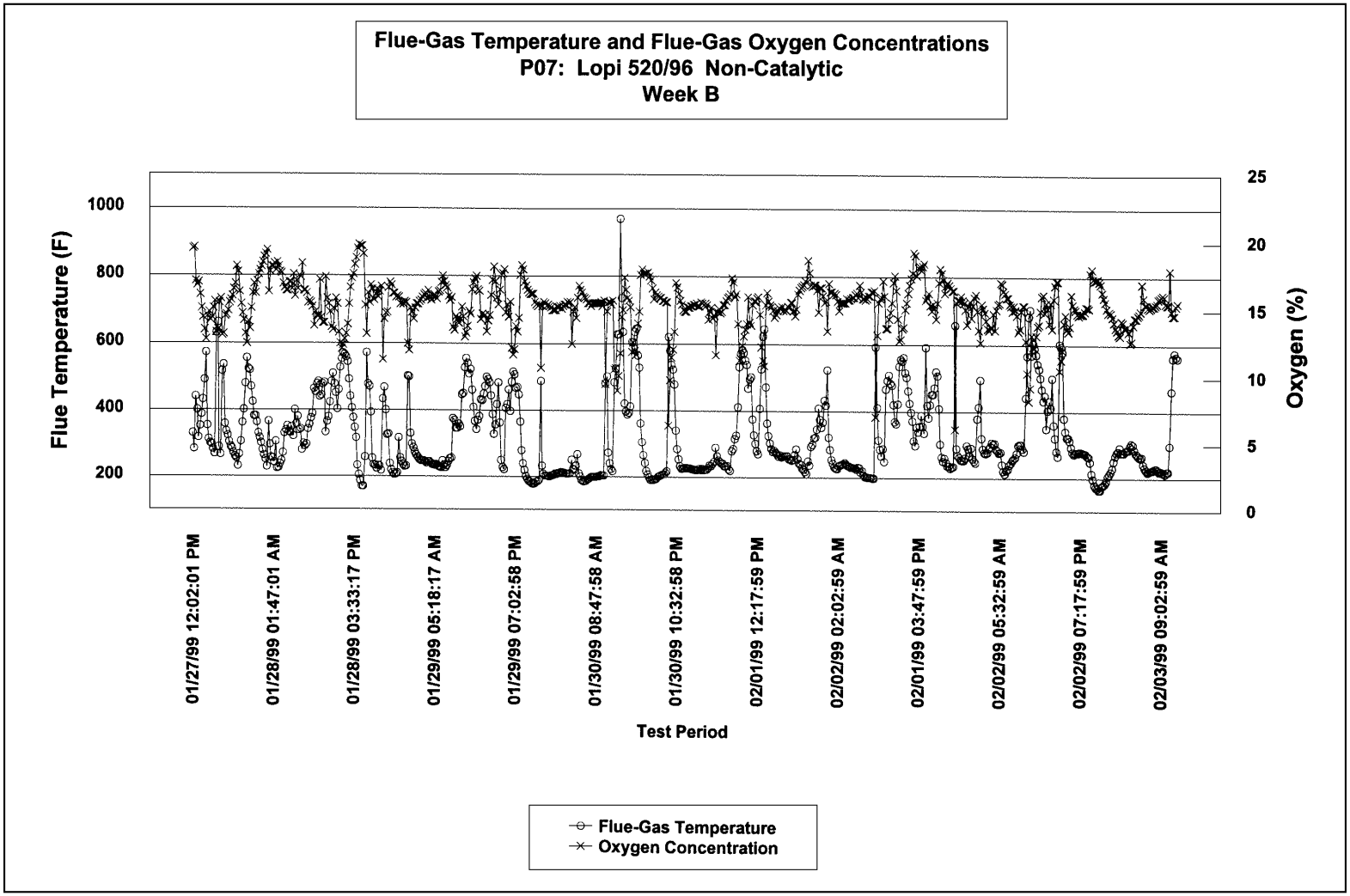
Average Flue-Gas Concentrations

Oxygen (AWES)	15.14	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location: Portland, Oregon USA
Test Run Number: Week C
Test Period Start Date/Time: 02/03/99 12:32:01 PM
Test Period End Date/Time: 02/10/99 12:17:57 PM
Stove Model Tested: **P07: Lopi 520/96 Non-Catalytic**
Stove Type: New Tech/Non-Catalytic

Time

Total Test Period	168.00	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	168	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	100.0%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	342	Degrees F	172	Degrees C
Test Facility Ambient Temperature	71	Degrees F	22	Degrees C

ESS Settings

ESS Sampling Rate	1.109	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	20.8	G/Kg
Emission Rate	40.3	G/Hour
Concentration	1416	Mg/M3

Fuel

Total Fuel Used	406.1	KG With Moisture
Average Fuel Moisture	24.8%	Percent Dry Basis
Total Fuel Burned	325.4	KG Dry
Average Burn Rate During Stove Operation	1.9	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	23.8%
XAD-2	17.4%
Filter	58.7%
Total	100%

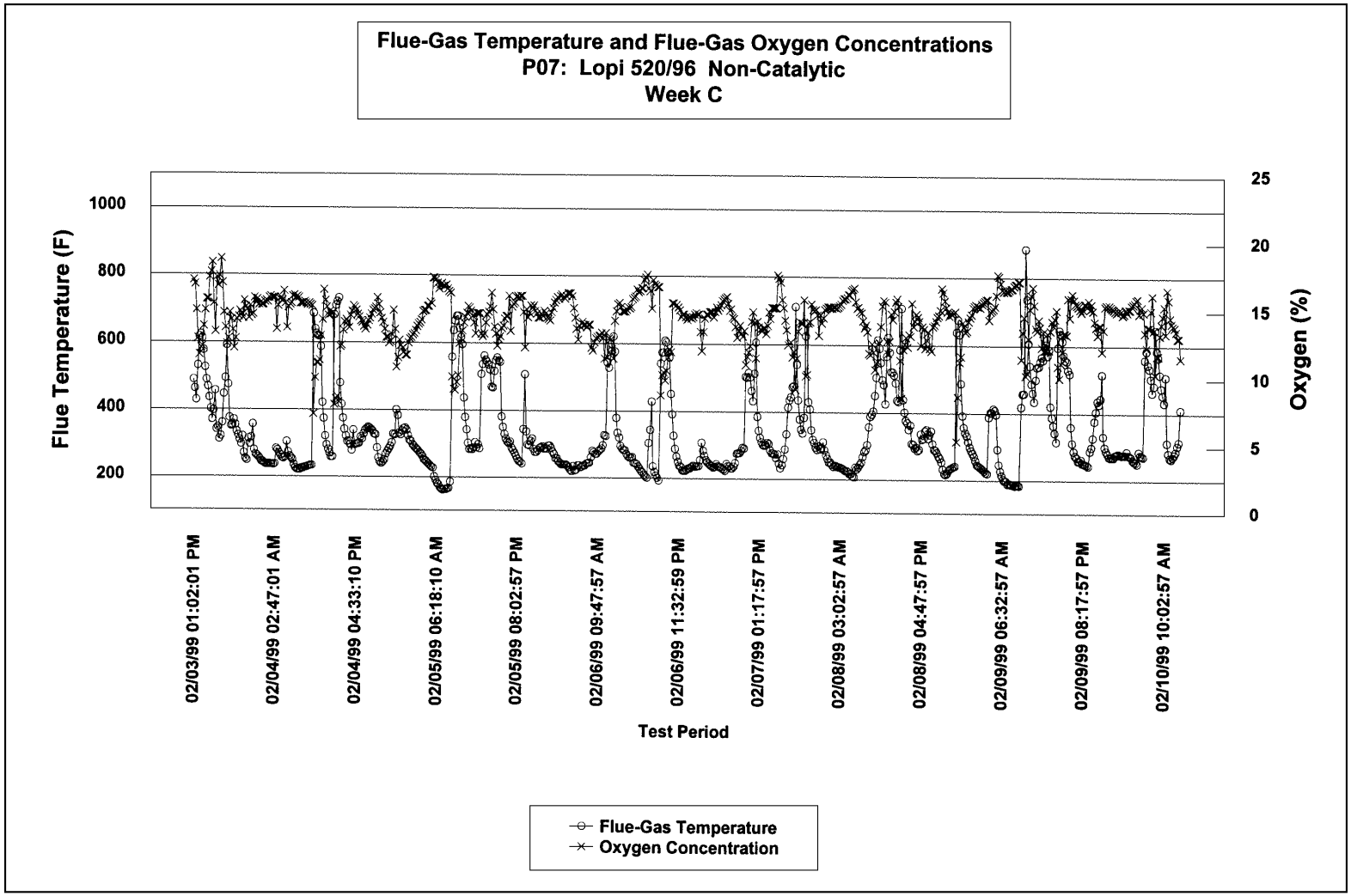
Average Flue-Gas Concentrations

Oxygen (AWES)	14.13	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume is Based on 11.5% of Fuel Carbon Generating Carbon Monoxide and 88.5% of Fuel Carbon Generating Cabon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location: Portland, Oregon USA
Test Run Number: Week A
Test Period Start Date/Time: 01/22/99 10:47:02 AM
Test Period End Date/Time: 01/29/99 11:02:56 AM
Stove Model Tested: **P08: Vermont Castings Defiant Encore Catalytic**
Stove Type: Catalytic

Time

Total Test Period	133.25	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	131	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	98.3%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	343	Degrees F	173	Degrees C
Test Facility Ambient Temperature	71	Degrees F	22	Degrees C

ESS Settings

ESS Sampling Rate	1.078	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	17.7	G/Kg
Emission Rate	23.0	G/Hour
Concentration	714	Mg/M3

Fuel

Total Fuel Used	211.8	KG With Moisture
Average Fuel Moisture	24.8%	Percent Dry Basis
Total Fuel Burned	169.8	KG Dry
Average Burn Rate During Stove Operation	1.3	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	46.0%
XAD-2	22.7%
Filter	31.4%
Total	100%

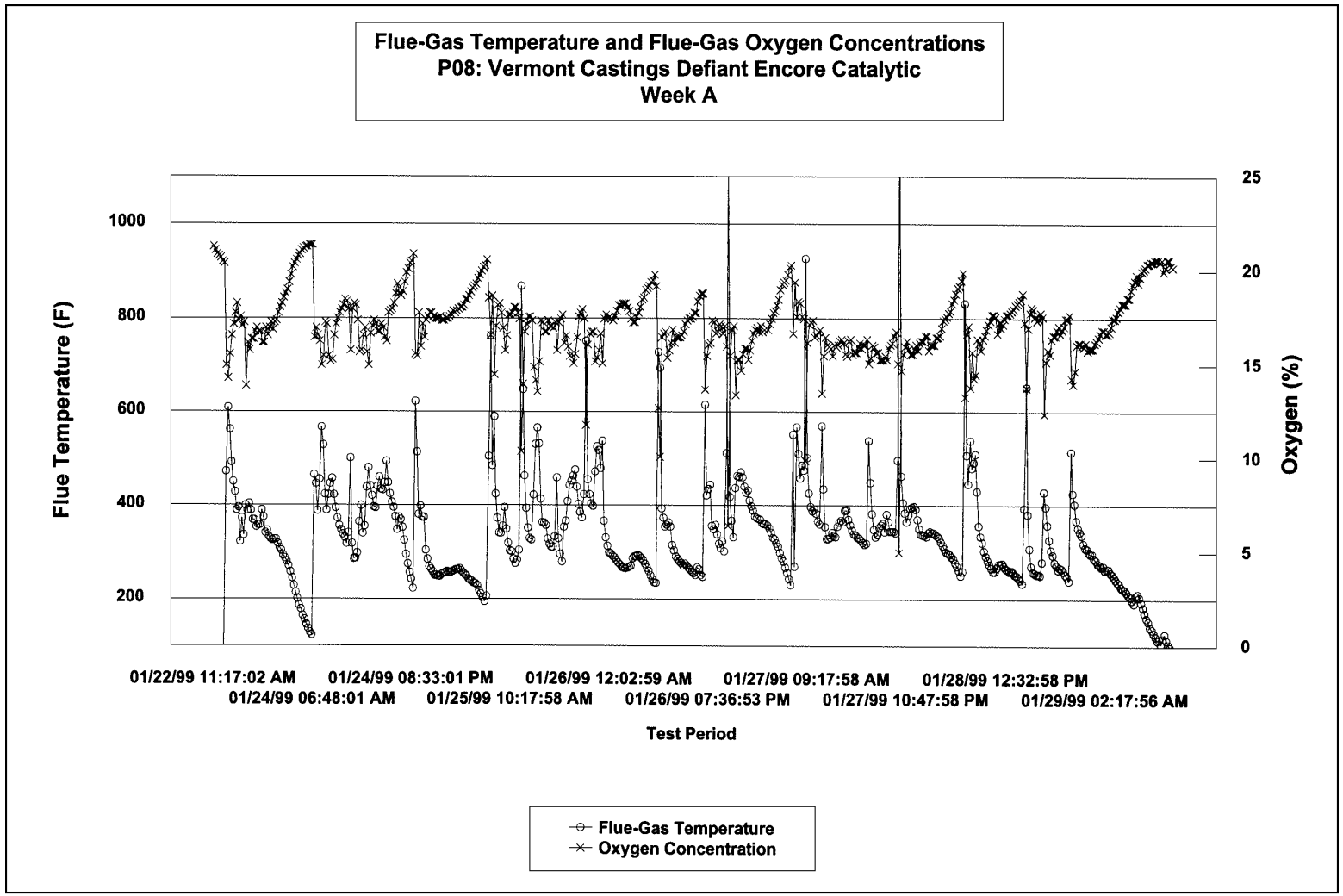
Average Flue-Gas Concentrations

Oxygen (AWES)	16.93	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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AWES-Emissions Results

Project Name: ERG/EPA

Residence Location:	Portland, Oregon USA
Test Run Number:	**Week B**
Test Period Start Date/Time:	01/29/99 01:17:01 PM
Test Period End Date/Time:	02/05/99 02:14:37 PM
Stove Model Tested:	**P08: Vermont Castings Defiant Encore Catalytic**
Stove Type:	Catalytic

Time

Total Test Period	97.75	Hours
Stove Operating Time (ie, Flue-Gas Temperature Over 100 Degrees F)	37.5	Hours
Stove Operating Time During Test Period (ie, Flue-Gas Temperature Over 100 Degrees F)	38.4%	

Average Temperatures

Flue-Gas Temperature (at 1 foot above flue collar)	383	Degrees F	195	Degrees C
Test Facility Ambient Temperature	74	Degrees F	23	Degrees C

ESS Settings

ESS Sampling Rate	1.078	L/Minute
Sample Cycle Duration	15.00	Minutes
Sample Time Per Sample Cycle	120	Seconds

Particulate Emissions

Emission Factor	15.5	G/Kg
Emission Rate	25.2	G/Hour
Concentration	657	Mg/M3

Fuel

Total Fuel Used	76.2	KG With Moisture
Average Fuel Moisture	25.0%	Percent Dry Basis
Total Fuel Burned	61.0	KG Dry
Average Burn Rate During Stove Operation	1.6	KG/Hour (dry)

Breakdown of Particulate Sample

Rinse	49.5%
XAD-2	16.0%
Filter	34.6%
Total	100%

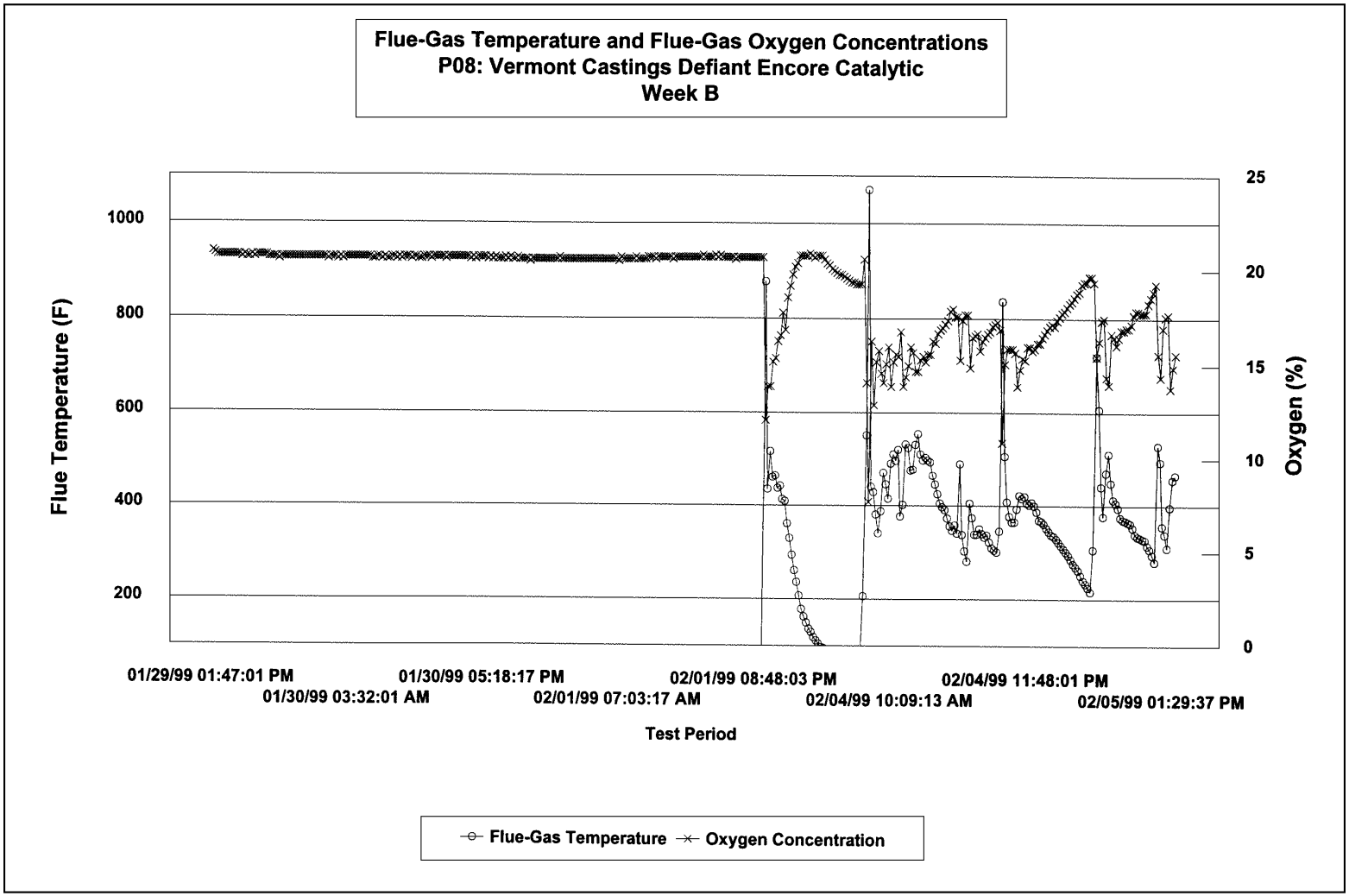
Average Flue-Gas Concentrations

Oxygen (AWES)	16.72	Percent

Test Notes:

Test Note Number 1: Stoichiometric Volume For This Test is Based on 2.0% of Fuel Carbon Generating Carbon Monoxide and 98.0% of Fuel Carbon Generating Carbon Dioxide

Test Note Number 2: STP for this test is: 1.00 Atmosphere and 68 Degrees F (20 Degrees C)



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Appendix D
Organic Compound Analysis Data

Contents of Appendix D

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Blank Data - Portland	D-64

Organic Compound Analysis Data by Test - Klamath Falls

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF01-A**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1091.D**	**ENG1113.D**	
Analysis Date:	**01/27/99**	**01/29/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	107.99	120.69
Phenol-d6	130.63	115.39
Nitrobenzene-d5	92.26	87.61
2-Fluorobiphenyl	103.73	85.99
2,4,6-Tribromophenol	126.50	93.38
p-Terphenyl-d14	103.61	94.91

Lab Surrogate Compounds

		% Recovery
Toluene-d8	102.39	115.50
Biphenyl-d10	102.98	90.42
Fluorene-d10	97.21	91.04
Anthracene-d10	114.19	95.14
Pyrene-d10	102.88	92.72

Target Compounds

Hours= 168 Dry Fuel (kg)=111.9

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	5751	0	5751	5738	189138.053	156070.637
m,p-Xylene	864	0	864	860	28347.634	23391.556
o-Xylene	306	0	306	306	10086.484	8323.042
Phenol	6651	16	6667	6647	219100.844	180794.967
Benzofuran	1296	0	1296	1287	42422.564	35005.735
C3-alkylbenzenes	0	0	0	0	0.000	0.000
Decane	0	0	0	0	0.000	0.000
o-Cresol	1470	0	1470	1456	47993.204	39602.448
m,p-Cresol	2341	0	2341	2313	76241.951	62912.405
C4-alkylbenzenes	4238	0	4238	4238	139694.505	115271.411
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	100	0	100	100	3296.237	2719.948
2,3-Dimethylphenol	195	0	195	195	6427.661	5303.899
Naphthalene	2296	0	2296	2296	75681.591	62450.014
2-Methylnaphthalene	343	0	343	318	10482.032	8649.436
1-Methylnaphthalene	277	0	277	272	8965.763	7398.260
Biphenyl	188	0	188	185	6098.038	5031.904
Tetradecane	343	0	343	343	11306.091	9329.423
C2-alkylnaphthalenes	311	0	311	306	10086.484	8323.042
Acenaphthylene	517	0	517	517	17041.543	14062.133
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	295	0	295	295	9723.898	8023.848
C3-alkylnaphthalenes	52	0	52	52	1714.043	1414.373
Fluorene	145	0	145	145	4779.543	3943.925
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	629	0	629	629	20733.328	17108.475
Anthracene	94	0	94	94	3098.462	2556.751
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	193	0	193	193	6361.737	5249.500
Pyrene	136	0	136	136	4482.882	3699.130
Benzo(a)anthracene	0	0	0	0	0.000	0.000
Chrysene	0	0	0	0	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	0	0	0	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-B

Sample Name:		**KF01-B**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1092.D**	**ENG1114.D**	
Analysis Date:	**01/27/99**	**01/29/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	85.34	120.43
Phenol-d6	91.92	111.96
Nitrobenzene-d5	94.63	111.66
2-Fluorobiphenyl	89.95	93.70
2,4,6-Tribromophenol	113.67	103.52
p-Terphenyl-d14	97.99	82.55

Lab Surrogate Compounds

		% Recovery
Toluene-d8	79.16	124.46
Biphenyl-d10	91.61	97.75
Fluorene-d10	86.03	95.74
Anthracene-d10	104.20	92.36
Pyrene-d10	99.45	84.07

Target Compounds

Hours= 141 Dry Fuel (kg)=116.5

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	4734	0	4734	4721	148062.987	118973.313
m,p-Xylene	704	0	704	700	21953.843	17640.610
o-Xylene	237	0	237	237	7432.944	5972.606
Phenol	4510	0	4510	4490	140818.219	113151.911
Benzofuran	905	0	905	896	28100.918	22579.981
C3-alkylbenzenes	1051	0	1051	1051	32962.126	26486.116
Decane	0	0	0	0	0.000	0.000
o-Cresol	925	0	925	912	28602.721	22983.194
m,p-Cresol	1674	0	1674	1647	51654.255	41505.835
C4-alkylbenzenes	8129	0	8129	8129	254946.837	204857.882
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	76	0	76	76	2383.560	1915.266
2,3-Dimethylphenol	113	0	113	113	3543.977	2847.698
Naphthalene	1834	0	1834	1834	57519.067	46218.398
2-Methylnaphthalene	255	0	255	230	7213.405	5796.200
1-Methylnaphthalene	224	0	224	219	6868.416	5518.991
Biphenyl	152	0	152	149	4673.032	3754.930
Tetradecane	255	0	255	255	7997.471	6426.222
C2-alkylnaphthalenes	279	0	279	274	8593.361	6905.039
Acenaphthylene	389	0	389	389	12200.064	9803.139
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	245	0	245	245	7683.845	6174.213
C3-alkylnaphthalenes	274	0	274	274	8593.361	6905.039
Fluorene	118	0	118	118	3700.791	2973.703
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	532	7	540	540	16935.821	13608.470
Anthracene	85	0	85	85	2665.824	2142.074
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	164	12	176	176	5519.823	4435.353
Pyrene	112	11	123	123	3857.604	3099.707
Benzo(a)anthracene	0	13	13	13	407.714	327.611
Chrysene	0	15	15	15	470.439	378.013
Benzo(b)fluoranthene	0	19	19	19	595.890	478.817
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	8	8	8	250.901	201.607
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-C

Sample Name:		**KF01-C**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1090.D**	**ENG1115.D**	
Analysis Date:	**01/27/99**	**01/29/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	105.74	110.83
Phenol-d6	101.92	103.47
Nitrobenzene-d5	92.81	93.36
2-Fluorobiphenyl	88.40	88.56
2,4,6-Tribromophenol	94.09	94.14
p-Terphenyl-d14	78.21	84.75

Lab Surrogate Compounds

		% Recovery
Toluene-d8	99.12	114.52
Biphenyl-d10	88.35	90.45
Fluorene-d10	77.70	92.11
Anthracene-d10	86.16	88.90
Pyrene-d10	77.75	83.41

Target Compounds

Hours= 142.75Dry Fuel (kg)=58.80

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	1599	0	1599	1586	136593.044	100484.648
m,p-Xylene	223	0	223	219	18861.208	13875.245
o-Xylene	76	0	76	76	6545.442	4815.153
Phenol	1404	0	1404	1383	119109.823	87623.120
Benzofuran	369	0	369	360	31004.726	22808.621
C3-alkylbenzenes	297	0	297	297	25578.899	18817.113
Decane	38	0	38	38	3272.721	2407.577
o-Cresol	302	0	302	289	24889.905	18310.254
m,p-Cresol	447	0	447	420	36172.181	26610.058
C4-alkylbenzenes	898	0	898	898	77339.567	56894.838
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	24	0	24	24	2066.982	1520.575
2,3-Dimethylphenol	38	0	38	38	3272.721	2407.577
Naphthalene	966	0	966	966	83196.016	61203.134
2-Methylnaphthalene	121	0	121	96	8267.927	6082.299
1-Methylnaphthalene	95	0	95	90	7751.182	5702.155
Biphenyl	92	0	92	89	7665.057	5638.798
Tetradecane	121	0	121	121	10421.033	7666.231
C2-alkylnaphthalenes	88	0	88	83	7148.312	5258.654
Acenaphthylene	189	0	189	189	16277.481	11974.526
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	15	0	15	15	1291.864	950.359
Dibenzofuran	98	0	98	98	8440.175	6209.014
C3-alkylnaphthalenes	76	0	76	76	6545.442	4815.153
Fluorene	62	0	62	62	5339.703	3928.151
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	244	0	244	244	21014.314	15459.177
Anthracene	45	0	45	45	3875.591	2851.078
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	104	3	108	108	9301.418	6842.586
Pyrene	68	0	68	68	5856.448	4308.295
Benzo(a)anthracene	12	6	18	18	1550.236	1140.431
Chrysene	13	7	20	20	1722.485	1267.146
Benzo(b)fluoranthene	0	0	0	0	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	0	0	0	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF02-A**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1059.D**	**ENG1076.D**	
Analysis Date:	**01/14/99**	**01/18/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	117.01	117.76
Phenol-d6	132.23	124.69
Nitrobenzene-d5	110.02	116.04
2-Fluorobiphenyl	112.90	93.58
2,4,6-Tribromophenol	127.11	104.13
p-Terphenyl-d14	119.33	96.22

Lab Surrogate Compounds

		% Recovery
Toluene-d8	127.85	113.07
Biphenyl-d10	108.23	100.82
Fluorene-d10	103.41	102.72
Anthracene-d10	116.83	112.83
Pyrene-d10	116.59	93.10

Target Compounds

Hours= 168 Dry Fuel (kg)=162.6

	XAD µg	**Filter µg**	**TOTAL µg**	**Total - Blank µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	15862	9	15871	15858	158681.609	164080.041
m,p-Xylene	2268	0	2268	2264	22654.506	23425.225
o-Xylene	812	0	812	812	8125.203	8401.627
Phenol	18496	0	18496	18476	184878.383	191168.044
Benzofuran	4304	0	4304	4295	42977.520	44439.638
C3-alkylbenzenes	0	0	0	0	0.000	0.000
Decane	0	0	0	0	0.000	0.000
o-Cresol	3719	0	3719	3705	37073.739	38335.008
m,p-Cresol	6062	0	6062	6035	60388.669	62443.123
C4-alkylbenzenes	6781	0	6781	6781	67853.449	70161.859
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	223	0	223	223	2231.429	2307.343
2,3-Dimethylphenol	349	0	349	349	3492.236	3611.044
Naphthalene	11748	0	11748	11748	117555.274	121554.567
2-Methylnaphthalene	1700	0	1700	1675	16760.732	17330.941
1-Methylnaphthalene	1377	0	1377	1372	13728.791	14195.852
Biphenyl	794	0	794	791	7915.068	8184.343
Tetradecane	1700	0	1700	1700	17010.893	17589.612
C2-alkylnaphthalenes	1001	0	1001	996	9966.382	10305.443
Acenaphthylene	2894	0	2894	2894	28958.543	29943.728
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	187	0	187	187	1871.198	1934.857
Dibenzofuran	1214	0	1214	1214	12147.779	12561.052
C3-alkylnaphthalenes	0	0	0	0	0.000	0.000
Fluorene	718	0	718	718	7184.601	7429.024
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	3109	4	3113	3113	31149.946	32209.684
Anthracene	461	0	461	461	4612.954	4769.889
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	995	7	1001	1001	10016.414	10357.178
Pyrene	785	8	793	793	7935.081	8205.037
Benzo(a)anthracene	204	16	220	220	2201.410	2276.303
Chrysene	182	19	201	201	2011.288	2079.713
Benzo(b)fluoranthene	0	61	61	61	610.391	631.157
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	32	32	32	320.205	331.099
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-B

Sample Name:		**KF02-B2**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1096.D**	**ENG1116.D**	
Analysis Date:	**01/28/99**	**01/29/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	74.56	110.00
Phenol-d6	90.54	106.96
Nitrobenzene-d5	85.50	89.54
2-Fluorobiphenyl	87.74	88.58
2,4,6-Tribromophenol	99.39	102.57
p-Terphenyl-d14	95.59	74.88

Lab Surrogate Compounds

		% Recovery
Toluene-d8	74.77	106.81
Biphenyl-d10	87.76	98.23
Fluorene-d10	78.61	92.31
Anthracene-d10	102.98	88.03
Pyrene-d10	93.67	77.39

Target Compounds

Hours= 168 Dry Fuel (kg)=170.9

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	17956	0	17956	17943	198158.266	190059.195
m,p-Xylene	2566	0	2566	2562	28294.125	27137.695
o-Xylene	802	0	802	802	8857.099	8495.094
Phenol	13920	0	13920	13900	153508.327	147234.176
Benzofuran	4791	0	4791	4782	52811.282	50652.793
C3-alkylbenzenes	4578	0	4578	4578	50558.354	48491.946
Decane	0	0	0	0	0.000	0.000
o-Cresol	2618	0	2618	2605	28769.007	27593.167
m,p-Cresol	5539	0	5539	5512	60873.230	58385.236
C4-alkylbenzenes	13491	0	13491	13491	148991.427	142901.889
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	178	0	178	178	1965.790	1885.445
2,3-Dimethylphenol	266	0	266	266	2937.641	2817.575
Naphthalene	13793	0	13793	13793	152326.644	146100.790
2-Methylnaphthalene	2116	0	2116	2091	23092.512	22148.681
1-Methylnaphthalene	1777	0	1777	1773	19580.594	18780.302
Biphenyl	897	0	897	894	9873.125	9469.594
Tetradecane	2116	0	2116	2116	23368.606	22413.490
C2-alkylnaphthalenes	1409	0	1409	1404	15505.445	14871.711
Acenaphthylene	4347	0	4347	4347	48007.244	46045.105
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	322	0	322	322	3556.092	3410.749
Dibenzofuran	1235	0	1235	1235	13639.049	13081.598
C3-alkylnaphthalenes	1123	0	1123	1123	12402.148	11895.250
Fluorene	986	0	986	986	10889.152	10444.093
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	4798	10	4808	4808	53098.420	50928.195
Anthracene	790	2	793	793	8757.705	8399.763
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	1566	14	1580	1580	17449.148	16735.971
Pyrene	1022	13	1035	1035	11430.296	10963.120
Benzo(a)anthracene	293	50	344	344	3799.055	3643.781
Chrysene	340	62	401	401	4428.550	4247.547
Benzo(b)fluoranthene	0	134	134	134	1479.864	1419.380
Benzo(k)fluoranthene	0	33	33	33	364.444	349.549
Benzo(a)pyrene	0	87	87	87	960.808	921.538
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-C

Sample Name:		**KF02-C**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1097.D**	**ENG1117.D**	
Analysis Date:	**01/28/99**	**01/29/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	79.28	112.09
Phenol-d6	90.32	116.35
Nitrobenzene-d5	73.06	106.12
2-Fluorobiphenyl	81.82	101.23
2,4,6-Tribromophenol	91.17	121.01
p-Terphenyl-d14	89.38	97.83

Lab Surrogate Compounds

		% Recovery
Toluene-d8	83.15	99.13
Biphenyl-d10	83.35	108.02
Fluorene-d10	74.89	106.60
Anthracene-d10	102.04	106.17
Pyrene-d10	87.54	98.78

Target Compounds

Hours= 168 Dry Fuel (kg)=119.10

	XAD µg	**Filter µg**	**TOTAL µg**	**Total - Blank µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	20489	0	20489	20477	262383.544	294865.926
m,p-Xylene	2738	0	2738	2734	35032.310	39369.216
o-Xylene	864	0	864	864	11070.927	12441.479
Phenol	14714	4	14719	14699	188346.717	211663.537
Benzofuran	5144	0	5144	5135	65797.700	73943.279
C3-alkylbenzenes	4025	0	4025	4025	51574.633	57959.435
Decane	0	0	0	0	0.000	0.000
o-Cresol	2387	0	2387	2373	30406.610	34170.867
m,p-Cresol	5005	0	5005	4978	63785.969	71682.501
C4-alkylbenzenes	6663	0	6663	6663	85376.840	95946.265
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	149	0	149	149	1909.222	2145.579
2,3-Dimethylphenol	218	0	218	218	2793.359	3139.169
Naphthalene	15368	0	15368	15368	196918.997	221297.043
2-Methylnaphthalene	2550	0	2550	2526	32367.087	36374.045
1-Methylnaphthalene	2112	0	2112	2107	26998.199	30340.504
Biphenyl	1044	0	1044	1041	13338.930	14990.254
Tetradecane	2550	0	2550	2550	32674.612	36719.642
C2-alkylnaphthalenes	1520	0	1520	1515	19412.564	21815.787
Acenaphthylene	6062	0	6062	6062	77675.882	87291.949
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	397	0	397	397	5086.989	5716.744
Dibenzofuran	1273	0	1273	1273	16311.679	18331.021
C3-alkylnaphthalenes	1281	0	1281	1281	16414.188	18446.220
Fluorene	1317	0	1317	1317	16875.476	18964.615
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	6902	4	6906	6906	88490.538	99445.431
Anthracene	1217	0	1217	1217	15594.119	17524.629
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	2338	6	2344	2344	30035.016	33753.271
Pyrene	1551	8	1559	1559	19976.361	22449.381
Benzo(a)anthracene	446	59	505	505	6470.855	7271.929
Chrysene	531	76	608	608	7790.653	8755.115
Benzo(b)fluoranthene	0	195	195	195	2498.647	2807.973
Benzo(k)fluoranthene	0	63	63	63	807.255	907.191
Benzo(a)pyrene	0	145	145	145	1857.968	2087.980
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF03-A**	
Sample Type:	**XAD only***	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1072.D**	**ENG1077.D**	
Analysis Date:	**01/15/99**	**01/18/99**	

*** - DCM/MeOH sample void**

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	89.74	118.97
Phenol-d6	96.72	124.90
Nitrobenzene-d5	98.11	106.17
2-Fluorobiphenyl	90.86	99.53
2,4,6-Tribromophenol	96.58	110.30
p-Terphenyl-d14	107.06	102.23

Lab Surrogate Compounds

		% Recovery
Toluene-d8	99.33	124.12
Biphenyl-d10	97.46	104.86
Fluorene-d10	80.79	105.73
Anthracene-d10	98.87	113.29
Pyrene-d10	109.04	103.87

Target Compounds

	XAD	**Filter**	**TOTAL**	**Total - Blank**
	µg	**µg**	**µg**	**µg**
Toluene	1734	0	1734	OMNI
m,p-Xylene	426	0	426	Sample Lost.
o-Xylene	114	0	114	
Phenol	2759	0	2759	
Benzofuran	689	0	689	
C3-alkylbenzenes	481	0	481	
Decane	0	0	0	
o-Cresol	578	0	578	
m,p-Cresol	1015	0	1015	
C4-alkylbenzenes	655	0	655	
Undecane	0	0	0	
2-Ethylphenol	25	0	25	
2,3-Dimethylphenol	40	0	40	
Naphthalene	2000	0	2000	
2-Methylnaphthalene	275	0	275	
1-Methylnaphthalene	217	0	217	
Biphenyl	128	0	128	
Tetradecane	275	0	275	
C2-alkylnaphthalenes	103	0	103	
Acenaphthylene	439	0	439	
Pentadecane	0	0	0	
Acenaphthene	0	0	0	
Dibenzofuran	169	0	169	
C3-alkylnaphthalenes	0	0	0	
Fluorene	78	0	78	
Heptadecane	0	0	0	
Octadecane	0	0	0	
Phenanthrene	281	0	281	
Anthracene	38	0	38	
Carbazole	0	0	0	
Fluoranthene	29	0	29	
Pyrene	33	0	33	
Benzo(a)anthracene	0	0	0	
Chrysene	0	0	0	
Benzo(b)fluoranthene	0	0	0	
Benzo(k)fluoranthene	0	0	0	
Benzo(a)pyrene	0	0	0	
Indeno(1,2,3-cd)pyrene	0	0	0	
Dibenz(a,h)anthracene	0	0	0	
Benzo(g,h,i)perylene	0	0	0	

Omni - SVOC Compounds
Episode KF-B

Sample Name:		**KF03-B**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1099.D**	**ENG1131.D**	
Analysis Date:	**01/28/99**	**02/02/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	93.77	141.25
Phenol-d6	100.35	138.59
Nitrobenzene-d5	75.36	130.90
2-Fluorobiphenyl	93.34	115.12
2,4,6-Tribromophenol	105.71	119.20
p-Terphenyl-d14	94.64	105.42

Lab Surrogate Compounds

		% Recovery
Toluene-d8	69.52	135.93
Biphenyl-d10	101.79	125.48
Fluorene-d10	86.93	119.07
Anthracene-d10	110.51	132.36
Pyrene-d10	95.20	102.99

Target Compounds

Hours= 168 Dry Fuel (kg)=116.8

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	1951	0	1951	1938	40078.262	49019.134
m,p-Xylene	459	0	459	455	9409.499	11508.620
o-Xylene	115	0	115	115	2378.225	2908.772
Phenol	2994	0	2994	2974	61502.968	75223.377
Benzofuran	592	0	592	583	12056.567	14746.210
C3-alkylbenzenes	565	0	565	565	11684.323	14290.924
Decane	0	0	0	0	0.000	0.000
o-Cresol	577	0	577	563	11642.963	14240.337
m,p-Cresol	1369	0	1369	1341	27732.172	33918.812
C4-alkylbenzenes	442	0	442	442	9140.656	11179.802
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	39	0	39	39	806.529	986.453
2,3-Dimethylphenol	56	0	56	56	1158.092	1416.446
Naphthalene	1871	0	1871	1871	38692.688	47324.458
2-Methylnaphthalene	240	0	240	215	4446.247	5438.139
1-Methylnaphthalene	194	0	194	189	3908.561	4780.504
Biphenyl	160	0	160	157	3246.794	3971.106
Tetradecane	240	0	240	240	4963.252	6070.481
C2-alkylnaphthalenes	198	0	198	193	3991.282	4881.678
Acenaphthylene	636	0	636	636	13152.619	16086.775
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	34	0	34	34	703.127	859.985
Dibenzofuran	173	0	173	173	3577.678	4375.805
C3-alkylnaphthalenes	181	0	181	181	3743.119	4578.154
Fluorene	168	0	168	168	3474.277	4249.337
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	509	0	509	509	10526.231	12874.478
Anthracene	103	0	103	103	2130.062	2605.248
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	202	15	217	217	4487.607	5488.727
Pyrene	181	12	194	194	4011.962	4906.972
Benzo(a)anthracene	34	21	54	54	1116.732	1365.858
Chrysene	40	24	64	64	1323.534	1618.795
Benzo(b)fluoranthene	0	52	52	52	1075.371	1315.271
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	17	17	17	351.564	429.992
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-C

Sample Name:		**KF03-C**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1100.D**	**ENG1125.D**	
Analysis Date:	**01/28/99**	**02/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	102.41	122.34
Phenol-d6	111.92	118.32
Nitrobenzene-d5	74.77	103.72
2-Fluorobiphenyl	85.53	98.58
2,4,6-Tribromophenol	103.28	112.03
p-Terphenyl-d14	99.24	103.66

Lab Surrogate Compounds

		% Recovery
Toluene-d8	78.46	112.88
Biphenyl-d10	92.69	101.47
Fluorene-d10	79.19	107.34
Anthracene-d10	108.05	108.62
Pyrene-d10	95.48	109.12

Target Compounds

Hours= 168 Dry Fuel (kg)=139.60

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	1694	0	1694	1681	25056.599	28746.019
m,p-Xylene	306	0	306	302	4501.542	5164.365
o-Xylene	85	0	85	85	1266.990	1453.546
Phenol	2731	0	2731	2711	40409.542	46359.581
Benzofuran	533	0	533	524	7810.623	8960.686
C3-alkylbenzenes	601	0	601	601	8958.368	10277.428
Decane	0	0	0	0	0.000	0.000
o-Cresol	391	0	391	377	5619.475	6446.906
m,p-Cresol	747	0	747	720	10732.154	12312.393
C4-alkylbenzenes	378	0	378	378	5634.381	6464.007
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	22	0	22	22	327.927	376.212
2,3-Dimethylphenol	34	0	34	34	506.796	581.419
Naphthalene	1850	0	1850	1850	27575.674	31636.011
2-Methylnaphthalene	202	0	202	178	2653.227	3043.897
1-Methylnaphthalene	165	0	165	161	2399.829	2753.188
Biphenyl	136	0	136	133	1982.467	2274.373
Tetradecane	202	0	202	202	3010.965	3454.310
C2-alkylnaphthalenes	128	0	128	123	1833.410	2103.367
Acenaphthylene	368	0	368	368	5485.323	6293.001
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	26	0	26	26	387.550	444.614
Dibenzofuran	170	0	170	170	2533.981	2907.093
C3-alkylnaphthalenes	95	0	95	95	1416.048	1624.552
Fluorene	94	0	94	94	1401.142	1607.451
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	437	0	437	437	6513.821	7472.939
Anthracene	88	0	88	88	1311.708	1504.848
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	158	0	158	158	2355.112	2701.886
Pyrene	134	0	134	134	1997.373	2291.473
Benzo(a)anthracene	26	0	26	26	387.550	444.614
Chrysene	28	0	28	28	417.362	478.815
Benzo(b)fluoranthene	0	0	0	0	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	0	0	0	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF04-A**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1072.D**	**ENG1078.D**	
Analysis Date:	**01/14/99**	**01/18/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	89.09	116.48
Phenol-d6	114.80	111.83
Nitrobenzene-d5	119.59	114.39
2-Fluorobiphenyl	114.11	93.52
2,4,6-Tribromophenol	109.74	93.67
p-Terphenyl-d14	120.63	97.51

Lab Surrogate Compounds

		% Recovery
Toluene-d8	95.41	108.38
Biphenyl-d10	117.35	96.37
Fluorene-d10	83.97	89.94
Anthracene-d10	121.33	103.51
Pyrene-d10	119.81	104.41

Target Compounds

Hours= 168 Dry Fuel (kg)=151.6

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	14749	0	14749	14736	179154.602	198670.956
m,p-Xylene	5015	0	5015	5010	60909.647	67544.889
o-Xylene	1411	0	1411	1411	17154.394	19023.122
Phenol	17952	164	18115	18095	219992.028	243957.041
Benzofuran	4470	0	4470	4461	54235.117	60143.264
C3-alkylbenzenes	6030	0	6030	6030	73310.413	81296.544
Decane	0	0	0	0	0.000	0.000
o-Cresol	9414	29	9443	9429	114634.144	127121.909
m,p-Cresol	13869	96	13965	13937	169440.668	187898.827
C4-alkylbenzenes	23047	0	23047	23047	280196.533	310719.973
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	586	0	586	586	7124.362	7900.460
2,3-Dimethylphenol	1005	0	1005	1005	12218.402	13549.424
Naphthalene	4527	0	4527	4527	55037.519	61033.077
2-Methylnaphthalene	1662	0	1662	1637	19902.014	22070.057
1-Methylnaphthalene	1099	0	1099	1094	13300.430	14749.323
Biphenyl	650	0	650	647	7865.976	8722.863
Tetradecane	1473	0	1473	1473	17908.166	19859.006
C2-alkylnaphthalenes	1662	0	1599	1595	19391.395	21503.812
Acenaphthylene	1025	0	1025	1025	12461.554	13819.064
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	147	0	147	147	1787.169	1981.856
Dibenzofuran	1104	0	1104	1104	13422.006	14884.143
C3-alkylnaphthalenes	1599	0	0	0	0.000	0.000
Fluorene	426	0	426	426	5179.144	5743.338
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	1270	20	1290	1290	15683.322	17391.798
Anthracene	228	6	234	234	2844.882	3154.791
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	366	21	387	387	4704.997	5217.539
Pyrene	314	24	338	338	4109.274	4556.921
Benzo(a)anthracene	0	27	27	27	328.256	364.014
Chrysene	0	32	32	32	389.044	431.424
Benzo(b)fluoranthene	0	66	66	66	802.403	889.813
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	0	0	0	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-B

Sample Name:		**KF04-B2**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1099.D**	**ENG1139.D**	
Analysis Date:	**02/01/99**	**02/03/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	86.79	138.58
Phenol-d6	99.05	131.78
Nitrobenzene-d5	89.05	113.54
2-Fluorobiphenyl	153.34	97.78
2,4,6-Tribromophenol	158.40	110.39
p-Terphenyl-d14	129.50	123.34

Lab Surrogate Compounds

		% Recovery
Toluene-d8	87.90	141.60
Biphenyl-d10	159.57	111.71
Fluorene-d10	121.04	109.56
Anthracene-d10	159.44	114.25
Pyrene-d10	134.05	124.46

Target Compounds

Hours= 167 Dry Fuel (kg)=177.6

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	40487	0	40487	40474	384430.139	361784.530
m,p-Xylene	9393	0	9393	9389	89178.598	83925.358
o-Xylene	3916	0	3916	3916	37194.950	35003.909
Phenol	30789	34	30822	30802	292563.550	275329.523
Benzofuran	7982	0	7982	7974	75738.645	71277.112
C3-alkylbenzenes	17330	0	17330	17330	164603.803	154907.494
Decane	0	0	0	0	0.000	0.000
o-Cresol	15383	9	15392	15379	146072.815	137468.110
m,p-Cresol	22843	27	22870	22843	216967.378	204186.491
C4-alkylbenzenes	79931	0	79931	79931	759200.609	714478.413
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	717	0	717	717	6810.209	6409.041
2,3-Dimethylphenol	1086	0	1086	1086	10315.045	9707.417
Naphthalene	11687	0	11687	11687	111005.461	104466.468
2-Methylnaphthalene	5144	0	5144	5120	48630.783	45766.092
1-Methylnaphthalene	2830	0	2830	2825	26832.414	25251.799
Biphenyl	1514	0	1514	1510	14342.282	13497.422
Tetradecane	3542	0	3542	3542	33642.624	31660.839
C2-alkylnaphthalenes	5144	0	5017	5012	47604.977	44800.713
Acenaphthylene	3454	0	3454	3454	32806.782	30874.235
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	437	0	437	437	4150.713	3906.207
Dibenzofuran	2316	0	2316	2316	21997.831	20702.006
C3-alkylnaphthalenes	5017	0	0	0	0.000	0.000
Fluorene	1303	0	1303	1303	12376.154	11647.113
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	3825	257	4082	4082	38771.652	36487.732
Anthracene	847	52	899	899	8538.882	8035.882
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	912	201	1114	1114	10580.995	9957.700
Pyrene	595	239	834	834	7921.499	7454.867
Benzo(a)anthracene	0	124	124	124	1177.777	1108.398
Chrysene	0	148	148	148	1405.734	1322.926
Benzo(b)fluoranthene	0	127	127	127	1206.271	1135.214
Benzo(k)fluoranthene	0	32	32	32	303.942	286.038
Benzo(a)pyrene	0	76	76	76	721.863	679.340
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF05-A**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1073.D**	**ENG1079.D**	
Analysis Date:	**01/15/99**	**01/18/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	98.16	96.76
Phenol-d6	110.15	93.83
Nitrobenzene-d5	100.25	110.34
2-Fluorobiphenyl	94.88	96.08
2,4,6-Tribromophenol	130.45	111.77
p-Terphenyl-d14	110.91	96.17

Lab Surrogate Compounds

		% Recovery
Toluene-d8	101.84	104.54
Biphenyl-d10	92.27	100.55
Fluorene-d10	77.67	106.00
Anthracene-d10	117.22	106.40
Pyrene-d10	109.81	97.61

Target Compounds

Hours= 168 Dry Fuel (kg)=124.7

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	4108	0	4108	4095	56584.390	68475.934
m,p-Xylene	1293	0	1293	1289	17811.301	21554.452
o-Xylene	422	0	422	422	5831.163	7056.616
Phenol	6532	0	6532	6511	89968.490	108875.899
Benzofuran	1512	0	1512	1503	20768.337	25132.925
C3-alkylbenzenes	2425	0	2425	2425	33508.461	40550.462
Decane	0	0	0	0	0.000	0.000
o-Cresol	2314	0	2314	2300	31781.221	38460.232
m,p-Cresol	4951	0	4951	4924	68039.448	82338.339
C4-alkylbenzenes	4038	0	4038	4038	55796.769	67522.789
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	171	0	171	171	2362.865	2859.435
2,3-Dimethylphenol	292	0	292	292	4034.833	4882.777
Naphthalene	1957	0	1957	1957	27041.673	32724.641
2-Methylnaphthalene	391	0	391	367	5071.177	6136.915
1-Methylnaphthalene	359	0	359	354	4891.544	5919.531
Biphenyl	129	0	129	126	1741.058	2106.952
Tetradecane	391	0	391	391	5402.807	6538.239
C2-alkylnaphthalenes	629	0	629	624	8622.383	10434.428
Acenaphthylene	221	0	221	221	3053.761	3695.527
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	245	0	245	245	3385.391	4096.851
C3-alkylnaphthalenes	561	0	561	561	7751.854	9380.952
Fluorene	97	0	97	97	1340.338	1622.018
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	298	0	298	298	4117.741	4983.108
Anthracene	56	0	56	56	773.804	936.423
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	89	0	89	89	1229.795	1488.244
Pyrene	74	0	74	74	1022.526	1237.416
Benzo(a)anthracene	0	0	0	0	0.000	0.000
Chrysene	0	0	0	0	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	0	0	0	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-B

Sample Name:		**KF05-B**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1124.D**	**ENG1126.D**	
Analysis Date:	**02/01/99**	**02/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	124.80	138.88
Phenol-d6	120.95	140.86
Nitrobenzene-d5	80.96	112.58
2-Fluorobiphenyl	115.59	105.69
2,4,6-Tribromophenol	124.11	121.04
p-Terphenyl-d14	107.66	113.65

Lab Surrogate Compounds

		% Recovery
Toluene-d8	90.32	138.91
Biphenyl-d10	116.69	111.35
Fluorene-d10	99.50	104.25
Anthracene-d10	120.27	118.40
Pyrene-d10	103.99	113.14

Target Compounds

Hours= 78.5 Dry Fuel (kg)=64.4

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	2423	0	2423	2410	75919.615	89119.424
m,p-Xylene	600	0	600	596	18775.141	22039.492
o-Xylene	192	0	192	192	6048.368	7099.971
Phenol	3921	0	3921	3901	122888.970	144255.134
Benzofuran	836	0	836	827	26052.084	30581.645
C3-alkylbenzenes	1402	0	1402	1402	44165.685	51844.578
Decane	0	0	0	0	0.000	0.000
o-Cresol	1349	0	1349	1335	42055.056	49366.984
m,p-Cresol	2625	0	2625	2598	81841.975	96071.479
C4-alkylbenzenes	2695	0	2695	2695	84897.660	99658.443
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	83	0	83	83	2614.659	3069.258
2,3-Dimethylphenol	134	0	134	134	4221.257	4955.188
Naphthalene	1368	0	1368	1368	43094.619	50587.291
2-Methylnaphthalene	266	0	266	242	7623.463	8948.921
1-Methylnaphthalene	220	0	220	215	6772.912	7950.488
Biphenyl	166	0	166	163	5134.812	6027.579
Tetradecane	266	0	266	266	8379.509	9836.418
C2-alkylnaphthalenes	422	0	422	417	13136.298	15420.249
Acenaphthylene	526	0	526	526	16570.007	19450.961
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	43	0	43	43	1354.582	1590.098
Dibenzofuran	365	0	365	365	11498.199	13497.340
C3-alkylnaphthalenes	625	0	625	625	19688.697	23111.884
Fluorene	305	0	305	305	9608.084	11278.599
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	1846	0	1846	1846	58152.535	68263.260
Anthracene	442	0	442	442	13923.846	16344.724
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	897	0	897	897	28257.218	33170.176
Pyrene	568	0	568	568	17893.088	21004.080
Benzo(a)anthracene	181	0	181	181	5701.847	6693.202
Chrysene	197	0	197	197	6205.877	7284.866
Benzo(b)fluoranthene	135	0	135	135	4252.759	4992.167
Benzo(k)fluoranthene	34	0	34	34	1071.065	1257.286
Benzo(a)pyrene	70	0	70	70	2205.134	2588.531
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-C

Sample Name:		**KF05-C**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1132.D**	**ENG1127.D**	
Analysis Date:	**02/02/99**	**02/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	104.13	101.63
Phenol-d6	132.62	128.05
Nitrobenzene-d5	85.27	100.15
2-Fluorobiphenyl	92.06	111.96
2,4,6-Tribromophenol	134.17	128.06
p-Terphenyl-d14	118.57	102.86

Lab Surrogate Compounds

		% Recovery
Toluene-d8	101.46	89.47
Biphenyl-d10	113.89	120.72
Fluorene-d10	84.74	122.94
Anthracene-d10	130.49	108.45
Pyrene-d10	118.70	109.89

Target Compounds

Hours= 168 Dry Fuel (kg)=154.70

	XAD µg	**Filter µg**	**TOTAL µg**	**Total - Blank µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	4102	0	4102	4089	60505.749	59885.096
m,p-Xylene	820	0	820	816	12074.515	11950.657
o-Xylene	255	0	255	255	3773.286	3734.580
Phenol	6099	0	6099	6079	89952.176	89029.468
Benzofuran	1275	0	1275	1266	18733.255	18541.093
C3-alkylbenzenes	1016	0	1016	1016	15033.955	14879.740
Decane	0	0	0	0	0.000	0.000
o-Cresol	985	0	985	971	14368.081	14220.696
m,p-Cresol	1932	0	1932	1904	28173.868	27884.867
C4-alkylbenzenes	509	0	509	509	7531.775	7454.515
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	71	0	71	71	1050.601	1039.824
2,3-Dimethylphenol	103	0	103	103	1524.112	1508.478
Naphthalene	2834	0	2834	2834	41935.264	41505.102
2-Methylnaphthalene	404	0	404	380	5622.936	5565.257
1-Methylnaphthalene	313	0	313	308	4557.537	4510.787
Biphenyl	230	0	230	226	3344.167	3309.863
Tetradecane	404	0	404	404	5978.069	5916.747
C2-alkylnaphthalenes	424	0	424	419	6200.027	6136.428
Acenaphthylene	536	0	536	536	7931.299	7849.942
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	45	0	45	45	665.874	659.044
Dibenzofuran	272	0	272	272	4024.838	3983.552
C3-alkylnaphthalenes	348	0	348	348	5149.425	5096.604
Fluorene	133	0	133	133	1968.028	1947.840
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	518	0	518	518	7664.949	7586.324
Anthracene	102	0	102	102	1509.314	1493.832
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	172	0	172	172	2545.118	2519.011
Pyrene	151	0	151	151	2234.377	2211.457
Benzo(a)anthracene	0	0	0	0	0.000	0.000
Chrysene	0	0	0	0	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	0	0	0	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF06-A**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1063.D**	**ENG1080.D**	
Analysis Date:	**01/14/99**	**01/18/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	104.39	94.27
Phenol-d6	107.00	95.29
Nitrobenzene-d5	89.55	93.60
2-Fluorobiphenyl	108.53	95.98
2,4,6-Tribromophenol	114.40	101.02
p-Terphenyl-d14	103.90	84.01

Lab Surrogate Compounds

		% Recovery
Toluene-d8	99.06	98.81
Biphenyl-d10	107.34	101.97
Fluorene-d10	91.65	98.87
Anthracene-d10	100.31	108.24
Pyrene-d10	98.32	83.47

Target Compounds

Hours= 168 Dry Fuel (kg)=112.8

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	10425	0	10425	10412	92263.808	137550.016
m,p-Xylene	1282	0	1282	1278	11324.736	16883.300
o-Xylene	448	0	448	448	3969.860	5918.403
Phenol	7227	0	7227	7207	63863.356	95209.659
Benzofuran	1751	0	1751	1742	15436.377	23013.074
C3-alkylbenzenes	1175	0	1175	1175	10412.022	15522.596
Decane	0	0	0	0	0.000	0.000
o-Cresol	2488	0	2488	2475	21931.706	32696.532
m,p-Cresol	3918	0	3918	3891	34479.301	51402.911
C4-alkylbenzenes	7260	0	7260	7260	64333.005	95909.827
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	188	0	188	188	1665.924	2483.615
2,3-Dimethylphenol	353	0	353	353	3128.037	4663.384
Naphthalene	3907	0	3907	3907	34621.081	51614.283
2-Methylnaphthalene	550	0	550	526	4661.041	6948.839
1-Methylnaphthalene	429	0	429	425	3766.051	5614.556
Biphenyl	320	0	320	317	2809.031	4187.798
Tetradecane	550	0	550	550	4873.712	7265.896
C2-alkylnaphthalenes	256	0	256	251	2224.185	3315.891
Acenaphthylene	1012	0	1012	1012	8967.631	13369.249
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	446	0	446	446	3952.138	5891.981
C3-alkylnaphthalenes	195	0	195	195	1727.953	2576.090
Fluorene	249	0	249	249	2206.463	3289.469
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	892	0	892	892	7904.276	11783.962
Anthracene	150	0	150	150	1329.194	1981.608
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	297	3	300	300	2658.389	3963.216
Pyrene	230	4	234	234	2073.543	3091.308
Benzo(a)anthracene	0	9	9	9	79.752	118.896
Chrysene	0	10	10	10	88.613	132.107
Benzo(b)fluoranthene	0	25	25	25	221.532	330.268
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	11	11	11	97.474	145.318
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF07-A**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1056.D**	**ENG1081.D**	
Analysis Date:	**01/13/99**	**01/18/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	106.28	93.18
Phenol-d6	116.57	99.94
Nitrobenzene-d5	106.51	95.44
2-Fluorobiphenyl	100.49	84.57
2,4,6-Tribromophenol	112.42	91.81
p-Terphenyl-d14	112.78	86.27

Lab Surrogate Compounds

		% Recovery
Toluene-d8	104.42	104.21
Biphenyl-d10	104.35	93.25
Fluorene-d10	88.27	89.59
Anthracene-d10	111.82	100.20
Pyrene-d10	110.00	87.32

Target Compounds

Hours= 168.25 Dry Fuel (kg)=140.8

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	11732	0	11732	11719	157190.252	187453.923
m,p-Xylene	2003	0	2003	1999	26813.151	31975.458
o-Xylene	659	0	659	659	8839.353	10541.184
Phenol	16277	0	16277	16257	218059.725	260042.531
Benzofuran	2769	0	2769	2761	37034.072	44164.202
C3-alkylbenzenes	3431	0	3431	3431	46020.970	54881.339
Decane	0	0	0	0	0.000	0.000
o-Cresol	4206	0	4206	4192	56228.478	67054.087
m,p-Cresol	8800	0	8800	8772	117661.310	140314.516
C4-alkylbenzenes	9251	0	9251	9251	124086.272	147976.469
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	311	0	311	311	4171.531	4974.671
2,3-Dimethylphenol	492	0	492	492	6599.335	7869.898
Naphthalene	4608	0	4608	4608	61808.403	73708.309
2-Methylnaphthalene	794	0	794	769	10314.814	12300.714
1-Methylnaphthalene	618	0	618	613	8222.342	9805.381
Biphenyl	349	0	349	345	4627.582	5518.526
Tetradecane	794	0	794	794	10650.146	12700.607
C2-alkylnaphthalenes	686	0	686	681	9134.445	10893.090
Acenaphthylene	926	0	926	926	12420.699	14812.043
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	568	0	568	568	7618.744	9085.573
C3-alkylnaphthalenes	586	0	586	586	7860.183	9373.496
Fluorene	285	0	285	285	3822.785	4558.782
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	1090	11	1101	1101	14768.023	17611.295
Anthracene	162	3	165	165	2213.192	2639.295
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	323	26	349	349	4681.235	5582.509
Pyrene	233	23	255	255	3420.387	4078.910
Benzo(a)anthracene	0	28	28	28	375.572	447.880
Chrysene	0	32	32	32	429.225	511.863
Benzo(b)fluoranthene	0	68	68	68	912.103	1087.709
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	23	23	23	308.505	367.902
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-B

Sample Name:		**KF07-B**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1133.D**	**ENG1131.D**	
Analysis Date:	**02/02/99**	**02/02/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	92.46	141.25
Phenol-d6	100.91	138.59
Nitrobenzene-d5	77.25	130.90
2-Fluorobiphenyl	84.52	115.12
2,4,6-Tribromophenol	98.01	119.20
p-Terphenyl-d14	114.32	105.42

Lab Surrogate Compounds

		% Recovery
Toluene-d8	89.74	135.93
Biphenyl-d10	86.21	125.48
Fluorene-d10	81.88	119.07
Anthracene-d10	101.74	132.36
Pyrene-d10	109.16	102.99

Target Compounds

Hours= 168 Dry Fuel (kg)=119.7

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	8914	0	8914	8901	114212.167	153041.102
m,p-Xylene	1248	0	1248	1244	15962.244	21388.960
o-Xylene	407	0	407	407	5222.374	6997.835
Phenol	10504	0	10504	10484	134524.251	180258.726
Benzofuran	1668	0	1668	1659	21287.269	28524.344
C3-alkylbenzenes	1542	0	1542	1542	19785.997	26512.682
Decane	0	0	0	0	0.000	0.000
o-Cresol	2942	0	2942	2929	37583.130	50360.340
m,p-Cresol	4725	0	4725	4697	60269.020	80758.798
C4-alkylbenzenes	6682	0	6682	6682	85739.321	114888.287
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	192	0	192	192	2463.626	3301.190
2,3-Dimethylphenol	399	0	399	399	5119.723	6860.285
Naphthalene	3249	0	3249	3249	41689.173	55862.324
2-Methylnaphthalene	420	0	420	396	5081.229	6808.704
1-Methylnaphthalene	352	0	352	347	4452.491	5966.213
Biphenyl	226	0	226	222	2848.568	3817.001
Tetradecane	420	0	420	420	5389.182	7221.353
C2-alkylnaphthalenes	414	0	414	409	5248.037	7032.222
Acenaphthylene	575	0	575	575	7378.047	9886.376
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	388	0	388	388	4978.578	6671.155
C3-alkylnaphthalenes	208	0	208	208	2668.928	3576.289
Fluorene	185	0	185	185	2373.806	3180.834
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	750	0	750	750	9623.539	12895.273
Anthracene	123	0	123	123	1578.260	2114.825
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	238	15	254	254	3259.172	4367.199
Pyrene	208	12	220	220	2822.905	3782.613
Benzo(a)anthracene	0	21	21	21	269.459	361.068
Chrysene	0	24	24	24	307.953	412.649
Benzo(b)fluoranthene	0	52	52	52	667.232	894.072
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	17	17	17	218.134	292.293
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-C

Sample Name:		**KF07-C**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1134.D**	**ENG1140.D**	
Analysis Date:	**02/02/99**	**02/03/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	84.57	116.80
Phenol-d6	104.07	118.43
Nitrobenzene-d5	91.75	121.48
2-Fluorobiphenyl	86.76	95.61
2,4,6-Tribromophenol	95.12	107.59
p-Terphenyl-d14	99.98	106.34

Lab Surrogate Compounds

		% Recovery
Toluene-d8	84.91	128.41
Biphenyl-d10	83.81	98.07
Fluorene-d10	78.09	101.18
Anthracene-d10	100.40	108.57
Pyrene-d10	96.43	104.97

Target Compounds

Hours= 168 Dry Fuel (kg)=197.70

	XAD µg	**Filter µg**	**TOTAL µg**	**Total - Blank µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	11561	0	11561	11548	174521.555	148737.926
m,p-Xylene	1666	0	1666	1662	25117.321	21406.515
o-Xylene	548	0	548	548	8281.764	7058.225
Phenol	15789	7	15796	15776	238418.085	203194.451
Benzofuran	2621	0	2621	2612	39474.394	33642.489
C3-alkylbenzenes	2295	0	2295	2295	34683.665	29559.538
Decane	0	0	0	0	0.000	0.000
o-Cresol	3826	0	3826	3813	57624.757	49111.336
m,p-Cresol	8713	0	8713	8686	131268.984	111875.444
C4-alkylbenzenes	6533	0	6533	6533	98731.323	84144.862
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	260	0	260	260	3929.304	3348.793
2,3-Dimethylphenol	488	0	488	488	7375.002	6285.427
Naphthalene	5939	0	5939	5939	89754.374	76494.158
2-Methylnaphthalene	789	0	789	764	11546.109	9840.299
1-Methylnaphthalene	632	0	632	627	9475.668	8075.743
Biphenyl	312	0	312	309	4669.827	3979.912
Tetradecane	789	0	789	789	11923.927	10162.299
C2-alkylnaphthalenes	611	0	611	606	9158.301	7805.264
Acenaphthylene	1091	0	1091	1091	16487.965	14052.050
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	115	0	115	115	1737.961	1481.197
Dibenzofuran	524	0	524	524	7919.059	6749.106
C3-alkylnaphthalenes	409	0	409	409	6181.098	5267.909
Fluorene	319	0	319	319	4820.954	4108.711
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	1475	40	1515	1515	22895.753	19513.159
Anthracene	236	9	245	245	3702.614	3155.593
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	426	66	492	492	7435.452	6336.947
Pyrene	307	55	361	361	5455.688	4649.670
Benzo(a)anthracene	0	51	51	51	770.748	656.879
Chrysene	0	55	55	55	831.199	708.399
Benzo(b)fluoranthene	0	101	101	101	1526.384	1300.877
Benzo(k)fluoranthene	0	20	20	20	302.254	257.599
Benzo(a)pyrene	0	41	41	41	619.621	528.079
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-A

Sample Name:		**KF08-A**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**11/15/98**	**11/15/98**	
File Name:	**ENG1066.D**	**ENG1082.D**	
Analysis Date:	**01/15/99**	**01/18/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	99.80	97.21
Phenol-d6	115.80	102.18
Nitrobenzene-d5	103.21	104.05
2-Fluorobiphenyl	98.71	87.87
2,4,6-Tribromophenol	113.94	99.63
p-Terphenyl-d14	102.30	85.72

Lab Surrogate Compounds

		% Recovery
Toluene-d8	106.08	102.79
Biphenyl-d10	100.46	96.87
Fluorene-d10	94.16	95.66
Anthracene-d10	110.55	100.30
Pyrene-d10	103.81	90.44

Target Compounds

Hours= 168 Dry Fuel (kg)=188

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	14591	0	14591	14579	257767.402	230525.782
m,p-Xylene	2417	0	2417	2413	42663.608	38154.792
o-Xylene	842	0	842	842	14887.177	13313.856
Phenol	15830	0	15830	15810	279532.384	249990.576
Benzofuran	3594	0	3594	3585	63385.427	56686.668
C3-alkylbenzenes	5071	0	5071	5071	89658.996	80183.568
Decane	0	0	0	0	0.000	0.000
o-Cresol	3858	0	3858	3844	67964.736	60782.022
m,p-Cresol	6672	0	6672	6644	117470.788	105056.128
C4-alkylbenzenes	20980	0	20980	20980	370941.772	331739.550
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	309	0	309	309	5463.346	4885.964
2,3-Dimethylphenol	449	0	449	449	7938.649	7099.669
Naphthalene	7836	0	7836	7836	138546.221	123904.247
2-Methylnaphthalene	1277	0	1277	1253	22153.958	19812.662
1-Methylnaphthalene	1076	0	1076	1071	18936.065	16934.845
Biphenyl	578	0	578	575	10166.421	9092.004
Tetradecane	1277	0	1277	1277	22578.296	20192.155
C2-alkylnaphthalenes	1055	0	1055	1050	18564.769	16602.790
Acenaphthylene	2002	0	2002	2002	35396.827	31655.986
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	846	0	846	846	14957.900	13377.105
C3-alkylnaphthalenes	892	0	892	892	15771.214	14104.465
Fluorene	523	0	523	523	9247.023	8269.770
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	2142	3	2145	2145	37925.172	33917.127
Anthracene	329	0	329	329	5816.961	5202.207
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	679	3	682	682	12058.260	10783.907
Pyrene	472	4	476	476	8416.029	7526.598
Benzo(a)anthracene	151	9	160	160	2828.917	2529.949
Chrysene	133	12	145	145	2563.706	2292.766
Benzo(b)fluoranthene	0	47	47	47	830.994	743.172
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	23	23	23	406.657	363.680
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-B

Sample Name:		**KF08-B**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1135.D**	**ENG1141.D**	
Analysis Date:	**02/02/99**	**02/03/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	97.61	124.10
Phenol-d6	114.80	121.06
Nitrobenzene-d5	86.69	161.55
2-Fluorobiphenyl	88.53	88.21
2,4,6-Tribromophenol	96.59	113.81
p-Terphenyl-d14	109.19	113.18

Lab Surrogate Compounds

		% Recovery
Toluene-d8	99.99	121.58
Biphenyl-d10	96.85	92.15
Fluorene-d10	89.72	101.63
Anthracene-d10	104.31	123.16
Pyrene-d10	111.02	113.41

Target Compounds

Hours= 172.75 Dry Fuel (kg)=189

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	12776	0	12776	12764	287951.093	258807.708
m,p-Xylene	2249	0	2249	2245	50646.365	45520.472
o-Xylene	782	0	782	782	17641.629	15856.129
Phenol	13084	252	13336	13316	300404.008	270000.270
Benzofuran	2468	0	2468	2460	55496.685	49879.894
C3-alkylbenzenes	4079	0	4079	4079	92020.723	82707.352
Decane	0	0	0	0	0.000	0.000
o-Cresol	3132	77	3209	3195	72078.012	64783.033
m,p-Cresol	4946	608	5553	5526	124664.505	112047.273
C4-alkylbenzenes	17248	0	17248	17248	389108.466	349726.994
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	194	14	208	208	4692.403	4217.487
2,3-Dimethylphenol	332	74	406	406	9159.209	8232.210
Naphthalene	4456	0	4456	4456	100525.703	90351.547
2-Methylnaphthalene	636	0	636	612	13806.492	12409.144
1-Methylnaphthalene	487	0	487	482	10873.741	9773.215
Biphenyl	257	0	257	253	5707.586	5129.924
Tetradecane	636	0	636	636	14347.923	12895.777
C2-alkylnaphthalenes	512	0	512	507	11437.731	10280.124
Acenaphthylene	705	197	902	902	20348.785	18289.294
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	0	0	0	0	0.000	0.000
Dibenzofuran	261	253	514	514	11595.649	10422.059
C3-alkylnaphthalenes	0	0	0	0	0.000	0.000
Fluorene	136	159	295	295	6655.090	5981.532
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	329	643	972	972	21927.959	19708.641
Anthracene	0	158	158	158	3564.421	3203.668
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	106	251	357	357	8053.787	7238.667
Pyrene	86	176	262	262	5910.623	5312.411
Benzo(a)anthracene	0	64	64	64	1443.816	1297.688
Chrysene	0	62	62	62	1398.697	1257.136
Benzo(b)fluoranthene	0	99	99	99	2233.403	2007.362
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	0	0	0	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Omni - SVOC Compounds
Episode KF-C

Sample Name:		**KF08-C**	
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**12/15/98**	**12/15/98**	
File Name:	**ENG1138.D**	**ENG1142.D**	
Analysis Date:	**02/03/99**	**02/03/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	93.76	108.59
Phenol-d6	104.36	107.40
Nitrobenzene-d5	86.76	110.15
2-Fluorobiphenyl	85.43	97.85
2,4,6-Tribromophenol	92.75	118.73
p-Terphenyl-d14	104.96	106.37

Lab Surrogate Compounds

		% Recovery
Toluene-d8	84.97	92.61
Biphenyl-d10	93.20	98.61
Fluorene-d10	76.58	109.85
Anthracene-d10	98.71	107.76
Pyrene-d10	102.96	105.66

Target Compounds

Hours= 171 Dry Fuel (kg)= 205.00

	XAD µg	**Filter µg**	**TOTAL µg**	**Total - Blank µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	11642	0	11642	11629	199790.811	166323.338
m,p-Xylene	1684	0	1684	1680	28863.063	24028.137
o-Xylene	549	0	549	549	9432.037	7852.052
Phenol	14419	0	14419	14398	247363.324	205926.857
Benzofuran	2767	0	2767	2758	47383.529	39446.192
C3-alkylbenzenes	2147	0	2147	2147	36886.308	30707.387
Decane	0	0	0	0	0.000	0.000
o-Cresol	2448	0	2448	2434	41817.081	34812.194
m,p-Cresol	4274	0	4274	4247	72965.137	60742.559
C4-alkylbenzenes	6747	0	6747	6747	115916.123	96498.716
Undecane	0	0	0	0	0.000	0.000
2-Ethylphenol	140	0	140	140	2405.255	2002.345
2,3-Dimethylphenol	212	0	212	212	3642.244	3032.122
Naphthalene	8342	0	8342	8342	143318.853	119311.143
2-Methylnaphthalene	989	0	989	964	16561.901	13787.574
1-Methylnaphthalene	732	0	732	728	12507.327	10412.193
Biphenyl	457	0	457	453	7782.719	6479.016
Tetradecane	989	0	989	989	16991.410	14145.136
C2-alkylnaphthalenes	542	0	542	538	9243.052	7694.725
Acenaphthylene	1674	0	1674	1674	28759.981	23942.322
Pentadecane	0	0	0	0	0.000	0.000
Acenaphthene	101	0	101	101	1735.220	1444.549
Dibenzofuran	657	0	657	657	11287.519	9396.718
C3-alkylnaphthalenes	316	0	316	316	5429.005	4519.578
Fluorene	406	0	406	406	6975.240	5806.800
Heptadecane	0	0	0	0	0.000	0.000
Octadecane	0	0	0	0	0.000	0.000
Phenanthrene	2102	0	2102	2102	36113.190	30063.776
Anthracene	298	0	298	298	5119.758	4262.134
Carbazole	0	0	0	0	0.000	0.000
Fluoranthene	740	0	740	740	12713.492	10583.822
Pyrene	513	0	513	513	8813.543	7337.163
Benzo(a)anthracene	163	7	170	170	2920.667	2431.419
Chrysene	166	8	174	174	2989.389	2488.629
Benzo(b)fluoranthene	0	37	37	37	635.675	529.191
Benzo(k)fluoranthene	0	0	0	0	0.000	0.000
Benzo(a)pyrene	0	19	19	19	326.428	271.747
Indeno(1,2,3-cd)pyrene	0	0	0	0	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0	0.000	0.000

Blank Data - Klamath Falls

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**XAD Cleaning Blk (190mL)**
Sample Type:	**Blank**
Sample Date:	**12/07/99**
File Name:	**ENG1067.D**
Analysis Date:	**1/15/1999**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Blank
	µg
Toluene	4.56
m,p-Xylene	0.00
o-Xylene	0.00
Phenol	0.00
Benzofuran	0.00
1,2,4-Trimethylbenzene	0.00
Decane	0.00
o-Cresol	0.00
m,p-Cresol	0.00
1,4-Diethylbenzene	0.00
U0ecane	0.00
2-Ethylphenol	0.00
1,2,4,5-Tetramethylbenzene	0.00
2,3-Dimethylphenol	0.00
Naphthalene	0.00
2-Methylnaphthalene	0.00
1-Methylnaphthalene	0.00
Biphenyl	0.00
Tetradecane	0.00
1-Ethylnaphthalene	0.00
2,6-Dimethylnaphthalene	0.00
Acenaphthylene	0.00
Pentadecane	0.00
Acenaphthene	0.00
Dibenzofuran	0.00
2,3,5-Trimethylnaphthalene	0.00
Fluorene	0.00
Heptadecane	0.00
Octadecane	0.00
Phenanthrene	0.00
Anthracene	0.00
Carbazole	0.00
Fluoranthene	0.00
Pyrene	0.00
Benzo(a)anthracene	0.00
Chrysene	0.00
Benzo(b)fluoranthene	0.00
Benzo(k)fluoranthene	0.00
Benzo(a)pyrene	0.00
I0eno(1,2,3-cd)pyrene	0.00

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**XAD Cleaning Blk (200mL)**
Sample Type:	**Blank**
Sample Date:	**12/07/99**
File Name:	**ENG1068.D**
Analysis Date:	**01/15/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Blank
	µg
Toluene	7.66
m,p-Xylene	0.00
o-Xylene	0.00
Phenol	0.00
Benzofuran	0.00
1,2,4-Trimethylbenzene	0.00
Decane	0.00
o-Cresol	0.00
m,p-Cresol	0.00
1,4-Diethylbenzene	0.00
U0ecane	0.00
2-Ethylphenol	0.00
1,2,4,5-Tetramethylbenzene	0.00
2,3-Dimethylphenol	0.00
Naphthalene	0.00
2-Methylnaphthalene	0.00
1-Methylnaphthalene	0.00
Biphenyl	0.00
Tetradecane	0.00
1-Ethylnaphthalene	0.00
2,6-Dimethylnaphthalene	0.00
Acenaphthylene	0.00
Pentadecane	0.00
Acenaphthene	0.00
Dibenzofuran	0.00
2,3,5-Trimethylnaphthalene	0.00
Fluorene	0.00
Heptadecane	0.00
Octadecane	0.00
Phenanthrene	0.00
Anthracene	0.00
Carbazole	0.00
Fluoranthene	0.00
Pyrene	0.00
Benzo(a)anthracene	0.00
Chrysene	0.00
Benzo(b)fluoranthene	0.00
Benzo(k)fluoranthene	0.00
Benzo(a)pyrene	0.00
I0eno(1,2,3-cd)pyrene	0.00

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KF-RB-MeOH**
Sample Type:	**Blank**
Sample Date:	**12/04/99**
File Name:	**ENG1069.D**
Analysis Date:	**1/15/1999**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Blank
	µg
Toluene	0.00
m,p-Xylene	0.00
o-Xylene	0.00
Phenol	0.00
Benzofuran	0.00
1,2,4-Trimethylbenzene	0.00
Decane	0.00
o-Cresol	0.00
m,p-Cresol	0.00
1,4-Diethylbenzene	0.00
U0ecane	0.00
2-Ethylphenol	0.00
1,2,4,5-Tetramethylbenzene	0.00
2,3-Dimethylphenol	0.00
Naphthalene	0.00
2-Methylnaphthalene	0.00
1-Methylnaphthalene	0.00
Biphenyl	0.00
Tetradecane	0.00
1-Ethylnaphthalene	0.00
2,6-Dimethylnaphthalene	0.00
Acenaphthylene	0.00
Pentadecane	0.00
Acenaphthene	0.00
Dibenzofuran	0.00
2,3,5-Trimethylnaphthalene	0.00
Fluorene	0.00
Heptadecane	0.00
Octadecane	0.00
Phenanthrene	0.00
Anthracene	0.00
Carbazole	0.00
Fluoranthene	0.00
Pyrene	0.00
Benzo(a)anthracene	0.00
Chrysene	0.00
Benzo(b)fluoranthene	0.00
Benzo(k)fluoranthene	0.00
Benzo(a)pyrene	0.00
I0eno(1,2,3-cd)pyrene	0.00

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KF-RB-MeCl2**
Sample Type:	**Blank**
Sample Date:	**12/04/99**
File Name:	**ENG1070.D**
Analysis Date:	**01/15/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Filter
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFB1-B Filter**
Sample Type:	**Filter**
Sample Date:	**12/15/98**
File Name:	**ENG1111.D**
Analysis Date:	**01/29/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	107.03
Phenol-d6	108.58
Nitrobenzene-d5	81.20
2-Fluorobiphenyl	82.41
2,4,6-Tribromophenol	90.61
p-Terphenyl-d14	95.65
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	115.40
Biphenyl-d10	88.02
Fluorene-d10	91.18
Anthracene-d10	96.27
Pyrene-d10	101.85
	Target Compounds
	Filter
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFB-B MeOH/MeCl2**
Sample Type:	**Rinse**
Sample Date:	**12/21/98**
File Name:	**ENG1086.D**
Analysis Date:	**01/27/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Rinse
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFB-B-XAD**
Sample Type:	**XAD**
Sample Date:	**12/28/98**
File Name:	**ENG1093.D**
Analysis Date:	**01/27/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	XAD
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFB1-C-F**
Sample Type:	**Filter**
Sample Date:	**12/28/98**
File Name:	**ENG1112.D**
Analysis Date:	**01/29/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	101.74
Phenol-d6	111.77
Nitrobenzene-d5	84.98
2-Fluorobiphenyl	94.40
2,4,6-Tribromophenol	93.66
p-Terphenyl-d14	103.76
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	105.30
Biphenyl-d10	93.78
Fluorene-d10	92.51
Anthracene-d10	107.40
Pyrene-d10	110.22
	Target Compounds
	Filter
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFB-C MeCl2/MeOH**
Sample Type:	**Rinse**
Sample Date:	**12/30/98**
File Name:	**ENG1102.D**
Analysis Date:	**01/28/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Rinse
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFB-C XAD**
Sample Type:	**XAD**
Sample Date:	**12/28/98**
File Name:	**ENG1106.D**
Analysis Date:	**01/29/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	XAD
	µg
Toluene	13
m,p-Xylene	4
o-Xylene	0
Phenol	20
Benzofuran	9
1,2,4-Trimethylbenzene	0
Decane	0
o-Cresol	14
m,p-Cresol	27
1,4-Diethylbenzene	0
U0ecane	0
2-Ethylphenol	0
1,2,4,5-Tetramethylbenzene	0
2,3-Dimethylphenol	0
Naphthalene	24
2-Methylnaphthalene	5
1-Methylnaphthalene	3
Biphenyl	0
Tetradecane	5
1-Ethylnaphthalene	0
2,6-Dimethylnaphthalene	0
Acenaphthylene	0
Pentadecane	0
Acenaphthene	0
Dibenzofuran	0
2,3,5-Trimethylnaphthalene	0
Fluorene	0
Heptadecane	0
Octadecane	0
Phenanthrene	0
Anthracene	0
Carbazole	0
Fluoranthene	0
Pyrene	0
Benzo(a)anthracene	0
Chrysene	0
Benzo(b)fluoranthene	0
Benzo(k)fluoranthene	0
Benzo(a)pyrene	0
I0eno(1,2,3-cd)pyrene	0

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFLB-BC Filter**
Sample Type:	**Filter**
Sample Date:	**12/15/98**
File Name:	**ENG1107.D**
Analysis Date:	**01/29/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	111.58
Phenol-d6	107.33
Nitrobenzene-d5	92.53
2-Fluorobiphenyl	89.54
2,4,6-Tribromophenol	100.76
p-Terphenyl-d14	105.03
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	120.33
Biphenyl-d10	99.40
Fluorene-d10	99.13
Anthracene-d10	104.85
Pyrene-d10	106.93
	Target Compounds
	Rinse
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**KFRB-BC MeCl2 BLK**
Sample Type:	**Blank**
Sample Date:	
File Name:	**ENG1101.D**
Analysis Date:	**01/28/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Blank
	µg
Toluene	0.000
m,p-Xylene	0.000
o-Xylene	0.000
Phenol	0.000
Benzofuran	0.000
1,2,4-Trimethylbenzene	0.000
Decane	0.000
o-Cresol	0.000
m,p-Cresol	0.000
1,4-Diethylbenzene	0.000
U0ecane	0.000
2-Ethylphenol	0.000
1,2,4,5-Tetramethylbenzene	0.000
2,3-Dimethylphenol	0.000
Naphthalene	0.000
2-Methylnaphthalene	0.000
1-Methylnaphthalene	0.000
Biphenyl	0.000
Tetradecane	0.000
1-Ethylnaphthalene	0.000
2,6-Dimethylnaphthalene	0.000
Acenaphthylene	0.000
Pentadecane	0.000
Acenaphthene	0.000
Dibenzofuran	0.000
2,3,5-Trimethylnaphthalene	0.000
Fluorene	0.000
Heptadecane	0.000
Octadecane	0.000
Phenanthrene	0.000
Anthracene	0.000
Carbazole	0.000
Fluoranthene	0.000
Pyrene	0.000
Benzo(a)anthracene	0.000
Chrysene	0.000
Benzo(b)fluoranthene	0.000
Benzo(k)fluoranthene	0.000
Benzo(a)pyrene	0.000
I0eno(1,2,3-cd)pyrene	0.000

Omni - Blanks
Episode A, B, and C of KF

Sample Name:	**Omni: KF-A-LB-F**
Sample Type:	**Filter**
Sample Date:	
File Name:	**ENG1083.D**
Analysis Date:	**01/18/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	94.66
Phenol-d6	92.25
Nitrobenzene-d5	111.54
2-Fluorobiphenyl	92.71
2,4,6-Tribromophenol	102.41
p-Terphenyl-d14	97.32
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	104.21
Biphenyl-d10	93.01
Fluorene-d10	95.95
Anthracene-d10	103.58
Pyrene-d10	95.29
	Target Compounds
	Blank
	µg
Toluene	7.16
m,p-Xylene	0.00
o-Xylene	0.00
Phenol	0.00
Benzofuran	0.00
1,2,4-Trimethylbenzene	0.00
Decane	0.00
o-Cresol	0.00
m,p-Cresol	0.00
1,4-Diethylbenzene	0.00
U0ecane	0.00
2-Ethylphenol	0.00
1,2,4,5-Tetramethylbenzene	0.00
2,3-Dimethylphenol	0.00
Naphthalene	0.00
2-Methylnaphthalene	0.00
1-Methylnaphthalene	0.00
Biphenyl	0.00
Tetradecane	0.00
1-Ethylnaphthalene	0.00
2,6-Dimethylnaphthalene	0.00
Acenaphthylene	0.00
Pentadecane	0.00
Acenaphthene	0.00
Dibenzofuran	0.00
2,3,5-Trimethylnaphthalene	0.00
Fluorene	0.00
Heptadecane	0.00
Octadecane	0.00
Phenanthrene	0.00
Anthracene	0.00
Carbazole	0.00
Fluoranthene	0.00
Pyrene	0.00
Benzo(a)anthracene	0.00
Chrysene	0.00
Benzo(b)fluoranthene	0.00
Benzo(k)fluoranthene	0.00
Benzo(a)pyrene	0.00
I0eno(1,2,3-cd)pyrene	0.00

Organic Compound Analysis Data by Test - Portland

Omni - SVOC Compounds
Episode A

Sample Name:			**P01-A**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1200.D**	**ENG1191.D**	
Analysis Date:	**03/29/99**	**03/26/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	105.07	100.50
Phenol-d6	106.46	97.11
Nitrobenzene-d5	110.56	119.27
2-Fluorobiphenyl	100.07	93.99
2,4,6-Tribromophenol	112.89	111.83
p-Terphenyl-d14	94.49	102.69

Lab Surrogate Compounds

		% Recovery
Toluene-d8	117.09	101.50
Biphenyl-d10	109.60	98.16
Fluorene-d10	97.72	97.23
Anthracene-d10	104.47	104.77
Pyrene-d10	93.36	101.44

Target Compounds

Hours= 171.25 Dry Fuel (kg)=209.8

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	23005	0	23005	22987.81	321762.469	262825.864
m,p-Xylene	6819	0	6819	6818.55	95439.865	77958.331
o-Xylene	2339	0	2339	2338.87	32737.376	26740.935
Phenol	46533	173	46707	46679.77	653380.990	533702.467
Benzofuran	10421	0	10421	10420.90	145862.286	119144.975
C3-alkylbenzenes	972	0	972	971.71	13601.113	11109.824
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	18323	31	18354	18345.42	256782.514	209748.161
m,p-Cresol	26016	86	26102	26081.68	365067.649	298198.919
C4-alkylbenzenes	778	0	778	777.77	10886.517	8892.455
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	1163	0	1163	1163.22	16281.696	13299.410
2,3-Dimethylphenol	1331	0	1331	1331.14	18632.088	15219.285
Naphthalene	13352	0	13352	13346.77	186815.955	152597.240
2-Methylnaphthalene	2500	0	2500	2500.36	34997.767	28587.294
1-Methylnaphthalene	1782	0	1782	1782.48	24949.535	20379.577
Biphenyl	1212	0	1212	1211.76	16961.115	13854.381
Tetradecane	2500	0	2500	2500.36	34997.767	28587.294
C2-alkylnaphthalenes	209	0	209	208.70	2921.193	2386.124
Acenaphthylene	3188	0	3188	3188.44	44628.885	36454.299
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	308	0	308	307.60	4305.505	3516.874
Dibenzofuran	1918	0	1918	1917.97	26846.001	21928.671
C3-alkylnaphthalenes	145	0	145	145.20	2032.378	1660.111
Fluorene	1183	0	1183	1182.86	16556.599	13523.959
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	2564	15	2579	2576.29	36060.566	29455.422
Anthracene	619	6	625	625.43	8754.201	7150.711
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	896	32	929	928.76	12999.938	10618.765
Pyrene	712	38	749	749.47	10490.400	8568.894
Benzo(a)anthracene	176	64	240	239.94	3358.462	2743.299
Chrysene	185	71	256	256.32	3587.734	2930.576
Benzo(b)fluoranthene	0	158	158	157.83	2209.161	1804.513
Benzo(k)fluoranthene	0	46	46	46.40	649.465	530.504
Benzo(a)pyrene	0	87	87	86.87	1215.927	993.208
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:			**P01-B**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1237.D**	**ENG1223.D**	
Analysis Date:	**04/01/99**	**03/31/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	83.03	94.35
Phenol-d6	89.68	89.48
Nitrobenzene-d5	95.09	96.60
2-Fluorobiphenyl	78.25	90.93
2,4,6-Tribromophenol	94.63	122.35
p-Terphenyl-d14	76.34	103.04

Lab Surrogate Compounds

		% Recovery
Toluene-d8	94.30	85.44
Biphenyl-d10	85.49	91.25
Fluorene-d10	75.20	93.85
Anthracene-d10	80.78	101.01
Pyrene-d10	72.54	97.74

Target Compounds

Hours= 168.25 Dry Fuel (kg)=209

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	19902	0	19902	19884.81	277623.588	223652.605
m,p-Xylene	4897	0	4897	4897.22	68372.984	55081.040
o-Xylene	1697	0	1697	1696.90	23691.424	19085.730
Phenol	37781	15	37796	37768.83	527312.964	424801.506
Benzofuran	7657	0	7657	7656.88	106902.228	86120.067
C3-alkylbenzenes	1286	0	1286	1285.78	17951.535	14461.694
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	13559	0	13559	13550.49	189186.402	152407.913
m,p-Cresol	17160	10	17170	17149.16	239429.561	192883.629
C4-alkylbenzenes	2992	0	2992	2992.28	41776.990	33655.399
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	889	0	889	889.22	12414.926	10001.422
2,3-Dimethylphenol	1245	0	1245	1245.45	17388.464	14008.086
Naphthalene	12125	0	12125	12119.78	169211.414	136316.131
2-Methylnaphthalene	1908	0	1908	1908.39	26644.161	21464.444
1-Methylnaphthalene	1453	0	1453	1452.85	20284.098	16340.799
Biphenyl	925	0	925	925.40	12920.056	10408.353
Tetradecane	1908	0	1908	1908.39	26644.161	21464.444
C2-alkylnaphthalenes	567	0	567	566.69	7911.894	6373.795
Acenaphthylene	2537	0	2537	2537.03	35420.976	28535.016
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	210	0	210	210.24	2935.285	2364.655
Dibenzofuran	1618	0	1618	1617.77	22586.643	18195.722
C3-alkylnaphthalenes	189	0	189	189.05	2639.439	2126.323
Fluorene	945	0	945	944.56	13187.561	10623.853
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	2412	10	2422	2419.11	33774.625	27208.721
Anthracene	509	6	514	514.22	7179.329	5783.643
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	827	37	864	863.56	12056.672	9712.813
Pyrene	743	44	787	786.85	10985.678	8850.024
Benzo(a)anthracene	155	60	215	215.19	3004.395	2420.330
Chrysene	173	70	244	243.54	3400.206	2739.194
Benzo(b)fluoranthene	0	180	180	180.34	2517.833	2028.358
Benzo(k)fluoranthene	0	42	42	42.16	588.621	474.191
Benzo(a)pyrene	0	102	102	102.10	1425.478	1148.361
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:			**P01-C**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**02/19/99**	**02/19/99**	
File Name:	**ENG1273.D**	**ENG1242.D**	
Analysis Date:	**04/06/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	77.17	92.06
Phenol-d6	91.32	97.33
Nitrobenzene-d5	56.28	92.04
2-Fluorobiphenyl	55.86	95.19
2,4,6-Tribromophenol	55.60	124.12
p-Terphenyl-d14	55.09	108.85

Lab Surrogate Compounds

		% Recovery
Toluene-d8	81.58	97.44
Biphenyl-d10	59.68	90.96
Fluorene-d10	45.44	96.71
Anthracene-d10	55.57	102.62
Pyrene-d10	53.89	102.31

Target Compounds

Hours= 168 Dry Fuel (kg)=210.9

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	23179	0	23179	23162.24	302037.174	240871.035
m,p-Xylene	5384	0	5384	5383.62	70202.768	55985.868
o-Xylene	1837	0	1837	1836.55	23948.736	19098.831
Phenol	54925	41	54966	54939.30	716412.182	571330.149
Benzofuran	8312	0	8312	8312.09	108390.215	86439.900
C3-alkylbenzenes	5081	0	5081	5081.38	66261.538	52842.785
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	15101	0	15101	15092.30	196804.611	156949.324
m,p-Cresol	23531	26	23557	23536.09	306912.203	244758.812
C4-alkylbenzenes	2408	0	2408	2407.73	31396.962	25038.702
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	909	0	909	909.34	11857.855	9456.498
2,3-Dimethylphenol	1179	0	1179	1179.13	15375.935	12262.124
Naphthalene	13918	0	13918	13913.59	181434.153	144691.568
2-Methylnaphthalene	1873	0	1873	1873.02	24424.307	19478.093
1-Methylnaphthalene	1368	0	1368	1367.69	17834.770	14223.016
Biphenyl	1006	0	1006	1006.02	13118.569	10461.902
Tetradecane	1873	0	1873	1873.02	24424.307	19478.093
C2-alkylnaphthalenes	1226	0	1226	1226.45	15992.991	12754.219
Acenaphthylene	2710	0	2710	2709.89	35337.149	28180.953
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	201	0	201	200.81	2618.576	2088.283
Dibenzofuran	1484	0	1484	1484.35	19356.024	15436.198
C3-alkylnaphthalenes	573	0	573	573.21	7474.697	5960.982
Fluorene	843	0	843	842.54	10986.778	8761.824
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	2552	13	2564	2561.29	33399.395	26635.618
Anthracene	514	6	520	520.08	6781.878	5408.467
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	737	36	774	773.61	10087.927	8045.001
Pyrene	778	38	816	815.94	10639.913	8485.203
Benzo(a)anthracene	0	59	59	58.91	768.190	612.623
Chrysene	0	69	69	68.58	894.288	713.184
Benzo(b)fluoranthene	0	198	198	198.32	2586.106	2062.389
Benzo(k)fluoranthene	0	44	44	44.12	575.328	458.817
Benzo(a)pyrene	0	112	112	111.84	1458.401	1163.057
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode A

Sample Name:			**P02-A**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1206.D**	**ENG1192.D**	
Analysis Date:	**03/30/99**	**03/26/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	94.34	98.50
Phenol-d6	89.65	96.42
Nitrobenzene-d5	94.51	106.45
2-Fluorobiphenyl	85.84	98.29
2,4,6-Tribromophenol	92.04	114.04
p-Terphenyl-d14	91.25	98.08

Lab Surrogate Compounds

		% Recovery
Toluene-d8	101.43	86.92
Biphenyl-d10	89.97	108.78
Fluorene-d10	77.44	104.81
Anthracene-d10	89.38	105.57
Pyrene-d10	84.58	96.27

Target Compounds

Hours= 168 Dry Fuel (kg)=58.5

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	4897	0	4897	4879.75	130335.462	205882.325
m,p-Xylene	1012	0	1012	1011.83	27025.428	42690.284
o-Xylene	379	0	379	379.49	10135.971	16011.124
Phenol	8058	70	8128	8101.08	216375.431	341793.982
Benzofuran	1594	0	1594	1593.93	42573.001	67249.759
C3-alkylbenzenes	1262	0	1262	1262.28	33714.811	53257.060
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	2665	7	2672	2663.14	71131.018	112360.972
m,p-Cresol	3819	24	3842	3821.80	102078.195	161246.184
C4-alkylbenzenes	514	0	514	514.25	13735.337	21696.805
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	184	0	184	184.37	4924.422	7778.785
2,3-Dimethylphenol	265	0	265	265.00	7078.006	11180.658
Naphthalene	3606	0	3606	3600.97	96179.946	151929.110
2-Methylnaphthalene	420	0	420	419.57	11206.486	17702.146
1-Methylnaphthalene	346	0	346	345.93	9239.602	14595.189
Biphenyl	256	0	256	255.69	6829.341	10787.858
Tetradecane	420	0	420	419.57	11206.486	17702.146
C2-alkylnaphthalenes	268	0	268	267.98	7157.600	11306.388
Acenaphthylene	813	0	813	813.48	21727.607	34321.667
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	347	0	347	346.53	9255.627	14620.504
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	221	0	221	220.78	5896.913	9314.965
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	532	4	536	533.28	14243.618	22499.703
Anthracene	117	0	117	116.51	3111.919	4915.692
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	209	10	219	218.54	5837.084	9220.457
Pyrene	193	11	204	204.02	5449.263	8607.841
Benzo(a)anthracene	0	12	12	11.97	319.712	505.028
Chrysene	0	13	13	12.57	335.738	530.343
Benzo(b)fluoranthene	0	25	25	24.87	664.264	1049.294
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	17	17	16.63	444.178	701.639
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:			**P02-B**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1241.D**	**ENG1227.D**	
Analysis Date:	**04/01/99**	**03/31/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	79.99	95.19
Phenol-d6	81.71	90.49
Nitrobenzene-d5	81.77	103.50
2-Fluorobiphenyl	82.32	82.53
2,4,6-Tribromophenol	86.94	111.91
p-Terphenyl-d14	79.49	97.72

Lab Surrogate Compounds

		% Recovery
Toluene-d8	89.95	95.84
Biphenyl-d10	89.13	84.47
Fluorene-d10	72.16	87.72
Anthracene-d10	86.17	102.82
Pyrene-d10	82.01	93.77

Target Compounds

Hours= 166.75 Dry Fuel (kg)=87.2

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	9788	0	9788	9770.38	154353.667	203393.185
m,p-Xylene	2269	0	2269	2268.61	35839.780	47226.394
o-Xylene	902	0	902	901.50	14242.008	18766.819
Phenol	15958	20	15979	15951.58	252005.026	332069.241
Benzofuran	2981	0	2981	2981.01	47094.363	62056.657
C3-alkylbenzenes	1329	0	1329	1328.66	20990.334	27659.148
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	5953	0	5953	5943.95	93903.254	123737.145
m,p-Cresol	9154	14	9168	9147.42	144512.068	190424.824
C4-alkylbenzenes	3092	0	3092	3092.08	48849.061	64368.837
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	516	0	516	515.65	8146.302	10734.454
2,3-Dimethylphenol	712	0	712	711.59	11241.786	14813.401
Naphthalene	5141	0	5141	5135.69	81134.263	106911.333
2-Methylnaphthalene	812	0	812	811.74	12823.969	16898.256
1-Methylnaphthalene	663	0	663	662.85	10471.786	13798.765
Biphenyl	463	0	463	462.94	7313.583	9637.173
Tetradecane	812	0	812	811.74	12823.969	16898.256
C2-alkylnaphthalenes	586	0	586	585.59	9251.223	12190.418
Acenaphthylene	1080	8	1088	1088.21	17191.676	22653.622
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	677	4	681	680.79	10755.204	14172.227
C3-alkylnaphthalenes	195	0	195	195.36	3086.321	4066.873
Fluorene	384	0	384	383.95	6065.689	7992.812
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	903	38	941	937.73	14814.374	19521.031
Anthracene	204	10	214	213.54	3373.531	4445.332
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	300	41	341	340.98	5386.844	7098.292
Pyrene	296	39	335	335.31	5297.269	6980.258
Benzo(a)anthracene	0	27	27	26.68	421.494	555.406
Chrysene	0	30	30	30.37	479.789	632.222
Benzo(b)fluoranthene	0	56	56	55.90	883.115	1163.689
Benzo(k)fluoranthene	0	17	17	16.95	267.778	352.854
Benzo(a)pyrene	0	32	32	32.30	510.279	672.400
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:			**P02-C**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**02/19/99**	**02/19/99**	
File Name:	**ENG1261.D**	**ENG1243.D**	
Analysis Date:	**04/02/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	75.86	85.53
Phenol-d6	77.52	77.70
Nitrobenzene-d5	68.62	79.07
2-Fluorobiphenyl	74.05	84.11
2,4,6-Tribromophenol	78.34	104.55
p-Terphenyl-d14	65.84	90.76

Lab Surrogate Compounds

		% Recovery
Toluene-d8	87.92	87.28
Biphenyl-d10	70.02	87.21
Fluorene-d10	63.05	81.24
Anthracene-d10	71.94	89.43
Pyrene-d10	68.59	87.42

Target Compounds

Hours= 168 Dry Fuel (kg)=78.9

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	5068	0	5068	5050.26	91657.870	127384.606
m,p-Xylene	1243	0	1243	1243.07	22560.650	31354.422
o-Xylene	454	0	454	453.60	8232.449	11441.323
Phenol	7015	0	7015	6988.43	126833.986	176271.796
Benzofuran	1786	0	1786	1786.11	32416.358	45051.724
C3-alkylbenzenes	1093	0	1093	1093.47	19845.539	27581.005
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	2604	0	2604	2595.59	47107.723	65469.542
m,p-Cresol	3813	0	3813	3792.52	68830.972	95660.157
C4-alkylbenzenes	0	0	0	0.00	0.000	0.000
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	3557	0	3557	3551.82	64462.474	89588.891
2-Methylnaphthalene	552	0	552	551.57	10010.520	13912.457
1-Methylnaphthalene	421	0	421	421.28	7645.869	10626.104
Biphenyl	249	0	249	248.63	4512.420	6271.288
Tetradecane	552	0	552	551.57	10010.520	13912.457
C2-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Acenaphthylene	721	0	721	721.28	13090.611	18193.116
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	331	0	331	331.25	6011.902	8355.243
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	0	0	0	0.00	0.000	0.000
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	540	0	540	536.57	9738.283	13534.107
Anthracene	0	0	0	0.00	0.000	0.000
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	205	0	205	204.63	3713.858	5161.459
Pyrene	211	0	211	210.60	3822.209	5312.043
Benzo(a)anthracene	0	8	8	8.06	146.282	203.300
Chrysene	0	9	9	9.06	164.431	228.524
Benzo(b)fluoranthene	0	32	32	31.75	576.235	800.842
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	19	19	19.10	346.649	481.766
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode A

Sample Name:			**P03-A**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1208.D**	**ENG1193.D**	
Analysis Date:	**03/30/99**	**03/26/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	97.03	98.12
Phenol-d6	100.35	97.69
Nitrobenzene-d5	88.73	94.79
2-Fluorobiphenyl	96.67	96.15
2,4,6-Tribromophenol	109.91	108.50
p-Terphenyl-d14	101.89	101.18

Lab Surrogate Compounds

		% Recovery
Toluene-d8	96.67	94.92
Biphenyl-d10	94.40	97.24
Fluorene-d10	83.23	99.58
Anthracene-d10	100.92	101.32
Pyrene-d10	104.16	101.20

Target Compounds

Hours= 168.75 Dry Fuel (kg)=27.5

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	495	0	495	477.65	40612.355	50279.043
m,p-Xylene	132	0	132	131.63	11191.886	13855.816
o-Xylene	43	0	43	42.52	3615.278	4475.798
Phenol	1043	0	1043	1016.22	86404.453	106970.729
Benzofuran	156	0	156	155.93	13258.002	16413.715
C3-alkylbenzenes	175	0	175	174.92	14872.633	18412.667
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	324	0	324	315.58	26832.298	33219.010
m,p-Cresol	538	0	538	517.06	43963.204	54427.472
C4-alkylbenzenes	127	0	127	127.06	10803.320	13374.762
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	25	0	25	25.39	2158.793	2672.637
2,3-Dimethylphenol	38	0	38	37.84	3217.359	3983.165
Naphthalene	339	0	339	334.11	28407.817	35169.540
2-Methylnaphthalene	47	0	47	46.54	3957.079	4898.957
1-Methylnaphthalene	38	0	38	37.75	3209.707	3973.692
Biphenyl	29	0	29	29.28	2489.542	3082.111
Tetradecane	47	0	47	46.54	3957.079	4898.957
C2-alkylnaphthalenes	34	0	34	34.04	2894.263	3583.165
Acenaphthylene	68	0	68	67.78	5763.018	7134.750
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	55	0	55	54.92	4669.592	5781.064
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	26	0	26	26.09	2218.311	2746.321
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	66	0	66	62.84	5342.993	6614.749
Anthracene	12	0	12	12.32	1047.512	1296.845
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	20	0	20	19.70	1674.999	2073.688
Pyrene	23	0	23	22.55	1917.321	2373.689
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:			**P03-B**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1211.D**	**ENG1228.D**	
Analysis Date:	**03/30/99**	**03/31/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	83.73	80.84
Phenol-d6	78.89	78.53
Nitrobenzene-d5	90.66	91.45
2-Fluorobiphenyl	84.28	85.81
2,4,6-Tribromophenol	105.59	103.32
p-Terphenyl-d14	101.71	92.58

Lab Surrogate Compounds

		% Recovery
Toluene-d8	81.05	77.90
Biphenyl-d10	90.57	90.50
Fluorene-d10	76.14	89.56
Anthracene-d10	98.17	95.41
Pyrene-d10	95.98	93.08

Target Compounds

Hours= 168.75 Dry Fuel (kg)=61.5

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	197	0	197	179.37	12166.849	11723.151
m,p-Xylene	43	0	43	43.10	2923.517	2816.903
o-Xylene	10	0	10	9.85	668.136	643.770
Phenol	235	0	235	207.89	14101.390	13587.143
Benzofuran	51	0	51	51.12	3467.522	3341.069
C3-alkylbenzenes	16	0	16	16.39	1111.750	1071.207
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	53	0	53	44.15	2994.739	2885.528
m,p-Cresol	95	0	95	74.91	5081.221	4895.920
C4-alkylbenzenes	59	0	59	58.72	3983.037	3837.785
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	172	0	172	166.78	11312.857	10900.302
2-Methylnaphthalene	21	0	21	20.52	1391.892	1341.133
1-Methylnaphthalene	17	0	17	17.45	1183.651	1140.486
Biphenyl	16	0	16	15.82	1073.087	1033.954
Tetradecane	21	0	21	20.52	1391.892	1341.133
C2-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Acenaphthylene	52	0	52	51.68	3505.507	3377.669
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	24	0	24	24.33	1650.329	1590.145
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	0	0	0	0.00	0.000	0.000
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	44	0	44	40.57	2751.904	2651.548
Anthracene	8	0	8	8.13	551.466	531.355
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	15	0	15	15.21	1031.710	994.086
Pyrene	15	0	15	14.57	988.298	952.257
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:			**P03-C**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**02/19/99**	**02/19/99**	
File Name:	**ENG1265.D**	**ENG1247.D**	
Analysis Date:	**04/06/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	82.28	82.81
Phenol-d6	82.56	74.85
Nitrobenzene-d5	75.50	81.76
2-Fluorobiphenyl	68.64	79.50
2,4,6-Tribromophenol	77.78	99.64
p-Terphenyl-d14	71.11	99.45

Lab Surrogate Compounds

		% Recovery
Toluene-d8	74.33	84.25
Biphenyl-d10	72.40	86.41
Fluorene-d10	60.46	83.84
Anthracene-d10	64.39	83.25
Pyrene-d10	66.07	93.35

Target Compounds

Hours= 168 Dry Fuel (kg)=69.2

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	1382	0	1382	1364.56	71869.072	71438.458
m,p-Xylene	251	0	251	250.81	13209.739	13130.591
o-Xylene	90	0	90	89.64	4721.188	4692.900
Phenol	2026	0	2026	1999.04	105286.063	104655.226
Benzofuran	322	0	322	322.02	16960.250	16858.630
C3-alkylbenzenes	222	0	222	221.60	11671.298	11601.368
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	488	0	488	479.69	25264.463	25113.087
m,p-Cresol	909	0	909	888.73	46807.909	46527.453
C4-alkylbenzenes	223	0	223	222.57	11722.386	11652.150
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	34	0	34	33.74	1777.029	1766.382
2,3-Dimethylphenol	46	0	46	45.94	2419.582	2405.085
Naphthalene	660	0	660	655.65	34531.979	34325.076
2-Methylnaphthalene	76	0	76	75.64	3983.831	3959.961
1-Methylnaphthalene	61	0	61	61.08	3216.981	3197.706
Biphenyl	51	0	51	51.19	2696.091	2679.937
Tetradecane	76	0	76	75.64	3983.831	3959.961
C2-alkylnaphthalenes	47	0	47	46.64	2456.450	2441.732
Acenaphthylene	90	0	90	90.33	4757.529	4729.023
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	80	0	80	79.71	4198.191	4173.037
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	29	0	29	28.50	1501.047	1492.053
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	92	0	92	88.83	4678.526	4650.494
Anthracene	16	0	16	16.25	855.860	850.732
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	33	0	33	32.56	1714.880	1704.605
Pyrene	33	0	33	33.40	1759.122	1748.582
Benzo(a)anthracene	8	0	8	8.19	431.353	428.769
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode A

Sample Name:			**P04-A**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1208.D**	**ENG1194.D**	
Analysis Date:	**03/31/99**	**03/26/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	98.69	108.68
Phenol-d6	92.87	99.63
Nitrobenzene-d5	94.66	121.40
2-Fluorobiphenyl	95.27	114.96
2,4,6-Tribromophenol	95.42	124.83
p-Terphenyl-d14	93.42	119.48

Lab Surrogate Compounds

		% Recovery
Toluene-d8	105.68	98.40
Biphenyl-d10	94.24	114.74
Fluorene-d10	81.75	111.33
Anthracene-d10	92.32	127.64
Pyrene-d10	87.99	114.54

Target Compounds

Hours= 168.25 Dry Fuel (kg)=70.7

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	2776	0	2776	2758.62	61517.869	82998.082
m,p-Xylene	750	0	750	750.23	16730.304	22572.029
o-Xylene	272	0	272	271.97	6064.994	8182.710
Phenol	4448	0	4448	4420.86	98586.209	133009.585
Benzofuran	886	0	886	885.52	19747.302	26642.474
C3-alkylbenzenes	0	0	0	0.00	0.000	0.000
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	1340	0	1340	1331.14	29684.732	40049.759
m,p-Cresol	2140	0	2140	2119.43	47263.783	63766.892
C4-alkylbenzenes	0	0	0	0.00	0.000	0.000
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	1509	0	1509	1504.54	33551.593	45266.812
2-Methylnaphthalene	0	0	0	0.00	0.000	0.000
1-Methylnaphthalene	155	0	155	155.38	3465.010	4674.889
Biphenyl	126	0	126	126.29	2816.296	3799.664
Tetradecane	241	0	241	240.71	5367.889	7242.197
C2-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Acenaphthylene	198	0	198	198.40	4424.366	5969.224
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	0	0	0	0.00	0.000	0.000
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	0	0	0	0.00	0.000	0.000
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	227	0	227	224.01	4995.475	6739.747
Anthracene	0	0	0	0.00	0.000	0.000
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	0	0	0	0.00	0.000	0.000
Pyrene	0	0	0	0.00	0.000	0.000
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:			**P04-B**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1211.D**	**ENG1229.D**	
Analysis Date:	**04/02/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	88.66	86.57
Phenol-d6	79.26	80.24
Nitrobenzene-d5	69.84	92.32
2-Fluorobiphenyl	79.69	87.04
2,4,6-Tribromophenol	84.36	105.94
p-Terphenyl-d14	75.30	94.13

Lab Surrogate Compounds

		% Recovery
Toluene-d8	89.43	84.26
Biphenyl-d10	79.31	85.08
Fluorene-d10	68.61	92.16
Anthracene-d10	80.40	95.74
Pyrene-d10	76.89	96.64

Target Compounds

Hours= 168 Dry Fuel (kg)=109.7

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	3059	0	3059	3041.59	62170.137	66385.058
m,p-Xylene	701	0	701	701.34	14335.398	15307.289
o-Xylene	250	0	250	249.66	5103.053	5449.023
Phenol	4769	0	4769	4741.90	96924.494	103495.641
Benzofuran	932	0	932	931.88	19047.639	20339.003
C3-alkylbenzenes	0	0	0	0.00	0.000	0.000
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	1574	0	1574	1564.82	31984.940	34153.409
m,p-Cresol	2399	0	2399	2378.34	48613.298	51909.113
C4-alkylbenzenes	0	0	0	0.00	0.000	0.000
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	1556	0	1556	1551.53	31713.292	33863.344
2-Methylnaphthalene	0	0	0	0.00	0.000	0.000
1-Methylnaphthalene	154	0	154	153.63	3140.199	3353.094
Biphenyl	0	0	0	0.00	0.000	0.000
Tetradecane	236	0	236	235.65	4816.689	5143.244
C2-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Acenaphthylene	274	0	274	274.18	5604.243	5984.191
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	243	0	243	242.94	4965.697	5302.354
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	0	0	0	0.00	0.000	0.000
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	296	0	296	293.15	5991.990	6398.226
Anthracene	0	0	0	0.00	0.000	0.000
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	0	0	0	0.00	0.000	0.000
Pyrene	0	0	0	0.00	0.000	0.000
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:			**P04-C**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**02/19/99**	**02/19/99**	
File Name:	**ENG1265.D**	**ENG1248.D**	
Analysis Date:	**04/06/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	69.07	87.54
Phenol-d6	77.78	79.22
Nitrobenzene-d5	57.18	80.23
2-Fluorobiphenyl	56.45	87.89
2,4,6-Tribromophenol	57.39	106.04
p-Terphenyl-d14	53.33	95.62

Lab Surrogate Compounds

		% Recovery
Toluene-d8	71.16	88.79
Biphenyl-d10	58.26	94.85
Fluorene-d10	47.74	88.07
Anthracene-d10	56.96	91.63
Pyrene-d10	55.04	88.73

Target Compounds

Hours= 168 Dry Fuel (kg)=77

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	2523	0	2523	2505.44	46168.404	70107.075
m,p-Xylene	766	0	766	765.99	14115.100	21433.887
o-Xylene	262	0	262	261.86	4825.363	7327.351
Phenol	4235	0	4235	4208.06	77543.031	117749.688
Benzofuran	760	0	760	759.51	13995.691	21252.564
C3-alkylbenzenes	340	0	340	340.41	6272.825	9525.333
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	1470	0	1470	1460.88	26920.021	40878.258
m,p-Cresol	2260	0	2260	2239.14	41261.223	62655.484
C4-alkylbenzenes	0	0	0	0.00	0.000	0.000
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	196	0	196	195.87	3609.348	5480.823
Naphthalene	1100	0	1100	1095.58	20188.542	30656.455
2-Methylnaphthalene	0	0	0	0.00	0.000	0.000
1-Methylnaphthalene	130	0	130	129.54	2387.068	3624.781
Biphenyl	87	0	87	86.82	1599.855	2429.392
Tetradecane	166	0	166	165.93	3057.636	4643.044
C2-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Acenaphthylene	133	0	133	133.47	2459.487	3734.750
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	148	0	148	147.56	2719.127	4129.015
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	0	0	0	0.00	0.000	0.000
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	166	0	166	163.29	3008.988	4569.171
Anthracene	0	0	0	0.00	0.000	0.000
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	0	0	0	0.00	0.000	0.000
Pyrene	0	0	0	0.00	0.000	0.000
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode A

Sample Name:			**P05-A**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1209.D**	**ENG1195.D**	
Analysis Date:	**03/30/99**	**03/26/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	88.19	98.87
Phenol-d6	90.09	93.32
Nitrobenzene-d5	97.37	99.22
2-Fluorobiphenyl	88.69	98.26
2,4,6-Tribromophenol	110.81	102.92
p-Terphenyl-d14	103.07	100.31

Lab Surrogate Compounds

		% Recovery
Toluene-d8	87.55	96.34
Biphenyl-d10	95.84	101.61
Fluorene-d10	73.96	101.18
Anthracene-d10	105.18	98.65
Pyrene-d10	94.92	102.80

Target Compounds

Hours= 167.25 Dry Fuel (kg)=40.7

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	960	0	960	943.20	480336.452	236208.950
m,p-Xylene	254	0	254	253.74	129220.284	63545.016
o-Xylene	88	0	88	88.06	44845.662	22053.181
Phenol	1919	0	1919	1892.35	963703.017	473907.980
Benzofuran	300	0	300	299.79	152671.825	75077.482
C3-alkylbenzenes	419	0	419	418.98	213370.830	104926.660
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	557	0	557	548.09	279121.720	137260.139
m,p-Cresol	954	0	954	933.15	475218.364	233692.093
C4-alkylbenzenes	290	0	290	290.26	147818.552	72690.850
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	35	0	35	35.43	18043.173	8872.862
2,3-Dimethylphenol	54	0	54	54.11	27556.197	13550.961
Naphthalene	599	0	599	594.12	302563.076	148787.597
2-Methylnaphthalene	80	0	80	80.16	40822.487	20074.756
1-Methylnaphthalene	62	0	62	61.99	31569.186	15524.377
Biphenyl	51	0	51	51.18	26064.058	12817.190
Tetradecane	80	0	80	80.16	40822.487	20074.756
C2-alkylnaphthalenes	63	0	63	63.46	32317.802	15892.515
Acenaphthylene	98	0	98	97.78	49795.694	24487.395
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	85	0	85	85.46	43521.579	21402.054
C3-alkylnaphthalenes	38	0	38	37.79	19245.032	9463.885
Fluorene	38	0	38	38.40	19555.683	9616.649
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	112	0	112	109.11	55565.639	27324.808
Anthracene	23	0	23	23.09	11758.873	5782.511
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	44	0	44	43.60	22203.848	10918.904
Pyrene	35	0	35	35.39	18022.802	8862.844
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:			**P05-B**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1212.D**	**ENG1230.D**	
Analysis Date:	**03/30/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	86.42	92.53
Phenol-d6	81.83	85.80
Nitrobenzene-d5	90.34	96.90
2-Fluorobiphenyl	89.79	93.19
2,4,6-Tribromophenol	104.24	113.63
p-Terphenyl-d14	91.66	107.93

Lab Surrogate Compounds

		% Recovery
Toluene-d8	78.91	96.76
Biphenyl-d10	90.03	97.64
Fluorene-d10	81.98	94.23
Anthracene-d10	95.15	102.56
Pyrene-d10	89.88	109.58

Target Compounds

Hours= 168 Dry Fuel (kg)=27.5

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	289	0	289	272.18	28741.624	35081.709
m,p-Xylene	51	0	51	51.19	5405.554	6597.960
o-Xylene	16	0	16	16.01	1690.622	2063.554
Phenol	438	0	438	411.06	43407.053	52982.171
Benzofuran	96	0	96	95.88	10124.722	12358.124
C3-alkylbenzenes	0	0	0	0.00	0.000	0.000
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	94	0	94	84.92	8967.370	10945.473
m,p-Cresol	172	0	172	151.73	16022.362	19556.719
C4-alkylbenzenes	0	0	0	0.00	0.000	0.000
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	481	0	481	475.84	50247.682	61331.768
2-Methylnaphthalene	42	0	42	41.63	4396.039	5365.756
1-Methylnaphthalene	35	0	35	34.93	3688.533	4502.183
Biphenyl	33	0	33	33.09	3494.233	4265.022
Tetradecane	42	0	42	41.63	4396.039	5365.756
C2-alkylnaphthalenes	14	0	14	14.00	1478.370	1804.482
Acenaphthylene	118	0	118	117.61	12419.363	15158.938
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	49	0	49	49.07	5181.687	6324.710
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	29	0	29	29.40	3104.577	3789.412
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	99	0	99	95.52	10086.707	12311.723
Anthracene	21	0	21	20.72	2187.988	2670.633
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	43	0	43	43.13	4554.435	5559.094
Pyrene	40	0	40	40.05	4229.194	5162.108
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:			**P05-C**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**02/19/99**	**02/19/99**	
File Name:	**ENG1213.D**	**ENG1249.D**	
Analysis Date:	**03/30/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	80.23	82.19
Phenol-d6	82.24	76.03
Nitrobenzene-d5	86.20	82.64
2-Fluorobiphenyl	88.77	82.84
2,4,6-Tribromophenol	105.14	104.57
p-Terphenyl-d14	109.92	103.04

Lab Surrogate Compounds

		% Recovery
Toluene-d8	74.12	82.75
Biphenyl-d10	89.05	90.24
Fluorene-d10	79.31	90.36
Anthracene-d10	93.09	89.97
Pyrene-d10	102.75	102.18

Target Compounds

Hours= 168 Dry Fuel (kg)=32

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	270	0	270	252.85	33114.559	34919.720
m,p-Xylene	46	0	46	45.79	5996.898	6323.804
o-Xylene	14	0	14	13.91	1821.726	1921.033
Phenol	434	0	434	407.37	53351.306	56259.625
Benzofuran	84	0	84	84.11	11015.486	11615.968
C3-alkylbenzenes	48	0	48	47.80	6260.138	6601.395
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	77	0	77	68.02	8908.255	9393.867
m,p-Cresol	130	0	130	109.27	14310.571	15090.677
C4-alkylbenzenes	117	0	117	116.62	15273.165	16105.745
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	400	0	400	394.97	51727.337	54547.130
2-Methylnaphthalene	34	0	34	33.72	4416.148	4656.883
1-Methylnaphthalene	28	0	28	27.98	3664.407	3864.164
Biphenyl	29	0	29	29.31	3838.591	4047.843
Tetradecane	34	0	34	33.72	4416.148	4656.883
C2-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Acenaphthylene	91	0	91	90.74	11883.785	12531.601
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	36	0	36	35.88	4699.032	4955.189
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	22	0	22	22.34	2925.763	3085.254
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	82	0	82	78.40	10267.674	10827.392
Anthracene	16	0	16	16.15	2115.088	2230.387
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	31	0	31	30.69	4019.323	4238.427
Pyrene	31	0	31	30.65	4014.084	4232.903
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode A

Sample Name:			**P06-A**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1217.D**	**ENG1196.D**	
Analysis Date:	**03/31/99**	**03/26/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	83.78	95.94
Phenol-d6	77.14	93.60
Nitrobenzene-d5	75.58	110.00
2-Fluorobiphenyl	81.30	93.56
2,4,6-Tribromophenol	85.40	116.98
p-Terphenyl-d14	79.07	108.48

Lab Surrogate Compounds

		% Recovery
Toluene-d8	92.80	97.62
Biphenyl-d10	86.52	99.50
Fluorene-d10	75.04	99.67
Anthracene-d10	81.20	108.51
Pyrene-d10	78.43	104.41

Target Compounds

Hours= 168 Dry Fuel (kg)=205.4

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	9477	0	9477	9459.94	217070.822	147039.490
m,p-Xylene	1743	0	1743	1742.76	39989.931	27088.390
o-Xylene	658	0	658	658.22	15103.728	10230.967
Phenol	13136	85	13221	13193.59	302744.354	205073.049
Benzofuran	3209	0	3209	3209.25	73640.481	49882.608
C3-alkylbenzenes	1008	0	1008	1008.16	23133.563	15670.219
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	3885	10	3895	3886.44	89179.501	60408.433
m,p-Cresol	5364	31	5395	5374.81	123332.117	83542.741
C4-alkylbenzenes	853	0	853	853.36	19581.473	13264.103
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	305	0	305	305.15	7002.070	4743.064
2,3-Dimethylphenol	311	0	311	310.54	7125.751	4826.843
Naphthalene	6925	0	6925	6920.65	158803.458	107570.328
2-Methylnaphthalene	844	0	844	843.90	19364.400	13117.063
1-Methylnaphthalene	722	0	722	722.48	16578.258	11229.785
Biphenyl	484	0	484	484.27	11112.215	7527.195
Tetradecane	844	0	844	843.90	19364.400	13117.063
C2-alkylnaphthalenes	325	0	325	325.22	7462.603	5055.020
Acenaphthylene	1360	0	1360	1359.98	31206.538	21138.693
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	113	0	113	112.59	2583.526	1750.030
Dibenzofuran	872	0	872	871.82	20005.062	13551.034
C3-alkylnaphthalenes	0	9	9	9.39	215.466	145.952
Fluorene	381	0	381	381.20	8747.138	5925.138
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	1074	35	1110	1106.45	25388.957	17197.978
Anthracene	200	7	207	207.33	4757.461	3222.610
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	361	47	408	408.05	9363.246	6342.478
Pyrene	331	50	382	381.85	8762.053	5935.242
Benzo(a)anthracene	0	40	40	40.44	927.949	628.574
Chrysene	0	45	45	45.42	1042.222	705.981
Benzo(b)fluoranthene	0	71	71	71.49	1640.433	1111.197
Benzo(k)fluoranthene	0	21	21	20.52	470.859	318.950
Benzo(a)pyrene	0	39	39	38.72	888.482	601.840
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:			**P06-B**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1257.D**	**ENG1231.D**	
Analysis Date:	**04/02/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	90.29	93.52
Phenol-d6	83.33	87.09
Nitrobenzene-d5	85.38	89.17
2-Fluorobiphenyl	76.36	87.37
2,4,6-Tribromophenol	89.73	118.21
p-Terphenyl-d14	79.24	97.44

Lab Surrogate Compounds

		% Recovery
Toluene-d8	85.84	85.95
Biphenyl-d10	82.81	94.43
Fluorene-d10	72.23	96.33
Anthracene-d10	96.06	92.42
Pyrene-d10	74.90	100.40

Target Compounds

Hours= 168 Dry Fuel (kg)=182

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	9025	0	9025	9007.47	176415.014	137780.463
m,p-Xylene	2169	0	2169	2169.15	42483.697	33179.849
o-Xylene	836	0	836	835.85	16370.467	12785.366
Phenol	15194	7	15201	15173.85	297186.109	232102.920
Benzofuran	3578	0	3578	3578.36	70083.656	54735.469
C3-alkylbenzenes	2738	0	2738	2738.28	53630.343	41885.400
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	4756	0	4756	4747.15	92974.890	72613.567
m,p-Cresol	7122	0	7122	7101.72	139090.114	108629.645
C4-alkylbenzenes	1033	0	1033	1032.54	20222.722	15793.984
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	383	0	383	383.09	7502.976	5859.838
2,3-Dimethylphenol	473	0	473	473.28	9269.384	7239.407
Naphthalene	6539	0	6539	6534.66	127984.010	99955.757
2-Methylnaphthalene	1016	0	1016	1016.42	19907.005	15547.409
1-Methylnaphthalene	838	0	838	838.41	16420.606	12824.524
Biphenyl	520	0	520	519.81	10180.693	7951.141
Tetradecane	1016	0	1016	1016.42	19907.005	15547.409
C2-alkylnaphthalenes	605	0	605	604.55	11840.361	9247.345
Acenaphthylene	1186	0	1186	1185.74	23223.207	18137.369
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	822	0	822	821.75	16094.313	12569.689
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	391	0	391	391.03	7658.484	5981.290
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	1148	16	1164	1161.21	22742.777	17762.152
Anthracene	242	5	248	247.92	4855.615	3792.245
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	404	44	448	448.14	8777.007	6854.859
Pyrene	334	45	379	379.40	7430.705	5803.395
Benzo(a)anthracene	0	34	34	33.53	656.699	512.883
Chrysene	0	39	39	39.12	766.181	598.389
Benzo(b)fluoranthene	0	70	70	70.06	1372.154	1071.655
Benzo(k)fluoranthene	0	18	18	17.63	345.291	269.673
Benzo(a)pyrene	0	38	38	37.86	741.504	579.116
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:			**P06-C**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**02/19/99**	**02/19/99**	
File Name:	**ENG1267.D**	**ENG1250.D**	
Analysis Date:	**04/06/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	72.15	91.47
Phenol-d6	83.46	88.30
Nitrobenzene-d5	59.85	83.78
2-Fluorobiphenyl	56.61	84.80
2,4,6-Tribromophenol	53.80	120.48
p-Terphenyl-d14	48.41	97.78

Lab Surrogate Compounds

		% Recovery
Toluene-d8	77.56	89.54
Biphenyl-d10	57.07	90.00
Fluorene-d10	47.92	92.05
Anthracene-d10	53.58	97.60
Pyrene-d10	47.00	93.46

Target Compounds

Hours= 166.75 Dry Fuel (kg)=174.9

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	13516	0	13516	13498.92	171853.028	150257.121
m,p-Xylene	3023	0	3023	3023.23	38488.355	33651.717
o-Xylene	1060	0	1060	1059.64	13490.142	11794.903
Phenol	20752	0	20752	20725.20	263849.877	230693.187
Benzofuran	4580	0	4580	4579.94	58306.632	50979.530
C3-alkylbenzenes	2994	0	2994	2994.39	38121.197	33330.698
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	6644	0	6644	6635.07	84470.230	73855.280
m,p-Cresol	9952	0	9952	9931.47	126436.277	110547.665
C4-alkylbenzenes	2456	0	2456	2456.36	31271.606	27341.860
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	415	0	415	415.15	5285.222	4621.054
2,3-Dimethylphenol	541	0	541	541.24	6890.457	6024.568
Naphthalene	7925	0	7925	7920.52	100835.129	88163.685
2-Methylnaphthalene	918	0	918	917.96	11686.432	10217.856
1-Methylnaphthalene	690	0	690	689.70	8780.483	7677.084
Biphenyl	502	0	502	502.04	6391.407	5588.231
Tetradecane	918	0	918	917.96	11686.432	10217.856
C2-alkylnaphthalenes	636	0	636	635.53	8090.851	7074.115
Acenaphthylene	1264	0	1264	1264.37	16096.533	14073.763
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	880	0	880	880.27	11206.605	9798.327
C3-alkylnaphthalenes	320	0	320	319.78	4071.078	3559.486
Fluorene	363	0	363	362.81	4618.888	4038.455
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	1311	13	1323	1320.17	16806.916	14694.875
Anthracene	199	0	199	198.99	2533.316	2214.967
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	362	41	403	402.96	5130.032	4485.367
Pyrene	277	42	319	318.65	4056.692	3546.908
Benzo(a)anthracene	0	45	45	45.09	574.035	501.899
Chrysene	0	50	50	49.90	635.271	555.439
Benzo(b)fluoranthene	0	91	91	91.05	1159.146	1013.482
Benzo(k)fluoranthene	0	29	29	29.12	370.723	324.136
Benzo(a)pyrene	0	50	50	49.83	634.379	554.660
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode A

Sample Name:			**P07-A**
Sample Type:	**XAD only***	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1219.D**	**ENG1197.D**	
Analysis Date:	**03/31/99**	**03/26/99**	

***Rinse was combined with P08-A XAD**

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	89.24	110.12
Phenol-d6	98.75	107.67
Nitrobenzene-d5	92.68	116.80
2-Fluorobiphenyl	87.52	75.74
2,4,6-Tribromophenol	94.54	110.01
p-Terphenyl-d14	83.99	121.18

Lab Surrogate Compounds

		% Recovery
Toluene-d8	99.53	96.91
Biphenyl-d10	91.51	74.80
Fluorene-d10	81.04	89.58
Anthracene-d10	92.71	109.61
Pyrene-d10	84.59	117.09

Target Compounds

Hours= 168 Dry Fuel (kg)=242.2

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	8728	0	8728	8711.03	141556.370	98276.987
m,p-Xylene	2681	0	2681	2680.77	43563.169	30244.184
o-Xylene	1037	0	1037	1036.83	16848.741	11697.414
Phenol	17405	138	17543	17516.00	284639.289	197613.795
Benzofuran	2992	0	2992	2991.71	48616.020	33752.179
C3-alkylbenzenes	4443	0	4443	4442.85	72197.400	50123.798
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	7126	42	7168	7159.46	116342.978	80772.326
m,p-Cresol	10570	81	10652	10631.09	172757.816	119938.916
C4-alkylbenzenes	6924	0	6924	6924.10	112518.320	78117.018
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	614	0	614	613.69	9972.613	6923.590
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	904	0	904	898.70	14604.095	10139.045
2-Methylnaphthalene	4240	0	4240	4239.66	68895.513	47831.429
1-Methylnaphthalene	901	0	901	901.10	14643.096	10166.122
Biphenyl	655	0	655	655.22	10647.485	7392.128
Tetradecane	452	0	452	451.75	7341.048	5096.599
C2-alkylnaphthalenes	721	0	721	721.18	11719.352	8136.282
Acenaphthylene	909	0	909	908.51	14763.510	10249.721
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	774	0	774	774.31	12582.727	8735.690
C3-alkylnaphthalenes	292	0	292	292.47	4752.709	3299.618
Fluorene	388	0	388	387.69	6300.057	4373.881
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	984	120	1104	1101.04	17892.170	12421.825
Anthracene	213	23	236	236.23	3838.795	2665.124
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	340	151	491	491.01	7979.033	5539.527
Pyrene	300	165	465	465.09	7557.826	5247.100
Benzo(a)anthracene	0	82	82	81.51	1324.557	919.588
Chrysene	0	99	99	98.99	1608.612	1116.795
Benzo(b)fluoranthene	0	149	149	148.51	2413.324	1675.475
Benzo(k)fluoranthene	0	35	35	34.51	560.796	389.338
Benzo(a)pyrene	0	72	72	72.44	1177.168	817.261
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:		**P07-B**	
Sample Type:	**XAD/ Rinse**	**Filter***	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1259.D**	**ENG1232.D**	
Analysis Date:	**04/02/99**	**04/01/99**	

*** - This sample evaporated almost 75% faster than the rest of the other samples. There is a possibility that the sample surrogate recoveries are off due to premature loss of sample.**

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	75.99	29.43
Phenol-d6	86.01	27.98
Nitrobenzene-d5	67.48	29.23
2-Fluorobiphenyl	75.65	27.52
2,4,6-Tribromophenol	67.30	34.68
p-Terphenyl-d14	70.57	30.31

Lab Surrogate Compounds

		% Recovery
Toluene-d8	97.62	30.73
Biphenyl-d10	86.58	26.80
Fluorene-d10	72.04	27.84
Anthracene-d10	92.47	28.86
Pyrene-d10	67.64	28.96

Target Compounds

Hours= 168 Dry Fuel (kg)=252.4

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	16662	0	16662	16644.44	281710.782	187706.512
m,p-Xylene	5848	0	5848	5848.39	98985.278	65954.811
o-Xylene	1747	0	1747	1746.81	29565.141	19699.528
Phenol	20973	43	21016	20989.25	355247.640	236704.804
Benzofuran	6975	0	6975	6974.69	118048.151	78656.580
C3-alkylbenzenes	5618	0	5618	5617.81	95082.661	63354.461
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	11242	16	11258	11249.11	190393.643	126861.054
m,p-Cresol	14554	32	14586	14565.85	246530.192	164265.358
C4-alkylbenzenes	8090	0	8090	8090.32	136930.433	91238.020
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	886	0	886	885.59	14988.804	9987.179
2,3-Dimethylphenol	1397	0	1397	1396.61	23637.929	15750.172
Naphthalene	8529	0	8529	8524.11	144272.423	96130.056
2-Methylnaphthalene	1596	0	1596	1595.82	27009.602	17996.749
1-Methylnaphthalene	1213	0	1213	1213.45	20537.906	13684.598
Biphenyl	855	0	855	854.80	14467.677	9639.947
Tetradecane	1596	0	1596	1595.82	27009.602	17996.749
C2-alkylnaphthalenes	1428	0	1428	1427.86	24166.842	16102.592
Acenaphthylene	1653	0	1653	1652.71	27972.478	18638.322
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	1426	0	1426	1425.79	24131.807	16079.247
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	623	0	623	622.97	10543.903	7025.501
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	1585	24	1609	1606.04	27182.578	18112.004
Anthracene	338	6	345	344.85	5836.662	3889.022
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	449	37	485	485.13	8210.931	5471.020
Pyrene	373	36	409	409.18	6925.461	4614.499
Benzo(a)anthracene	0	20	20	20.43	345.782	230.398
Chrysene	0	24	24	24.01	406.374	270.771
Benzo(b)fluoranthene	0	33	33	33.37	564.795	376.328
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:			**P07-C**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**02/19/99**	**02/19/99**	
File Name:	**ENG1268.D**	**ENG1251.D**	
Analysis Date:	**04/06/99**	**04/02/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	77.62	85.97
Phenol-d6	89.45	85.10
Nitrobenzene-d5	47.64	91.94
2-Fluorobiphenyl	53.66	82.43
2,4,6-Tribromophenol	46.02	140.18
p-Terphenyl-d14	52.56	127.89

Lab Surrogate Compounds

		% Recovery
Toluene-d8	91.22	81.62
Biphenyl-d10	60.06	86.80
Fluorene-d10	51.76	95.98
Anthracene-d10	52.69	90.95
Pyrene-d10	57.04	125.83

Target Compounds

Hours= 168 Dry Fuel (kg)=325.4

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	18321	0	18321	18303.56	349421.313	180573.003
m,p-Xylene	6950	0	6950	6949.93	132676.576	68564.243
o-Xylene	2124	0	2124	2124.49	40557.251	20959.067
Phenol	34148	347	34495	34467.62	657998.829	340038.858
Benzofuran	7447	0	7447	7447.20	142169.633	73470.039
C3-alkylbenzenes	6815	0	6815	6814.92	130099.188	67232.307
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	14790	99	14889	14879.91	284062.646	146797.127
m,p-Cresol	20427	224	20651	20630.68	393846.842	203531.107
C4-alkylbenzenes	17124	0	17124	17124.48	326912.267	168940.838
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	860	0	860	860.35	16424.380	8487.747
2,3-Dimethylphenol	1296	0	1296	1296.23	24745.481	12787.903
Naphthalene	7065	10	7074	7069.26	134954.627	69741.488
2-Methylnaphthalene	1216	0	1216	1216.34	23220.353	11999.751
1-Methylnaphthalene	907	0	907	907.07	17316.281	8948.661
Biphenyl	538	0	538	537.72	10265.261	5304.854
Tetradecane	1216	0	1216	1216.34	23220.353	11999.751
C2-alkylnaphthalenes	1072	0	1072	1072.44	20473.252	10580.112
Acenaphthylene	1028	0	1028	1028.13	19627.359	10142.973
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	798	0	798	798.37	15241.160	7876.286
C3-alkylnaphthalenes	530	0	530	530.09	10119.602	5229.581
Fluorene	371	0	371	370.95	7081.564	3659.592
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	965	140	1105	1102.13	21040.044	10873.017
Anthracene	185	28	213	213.10	4068.153	2102.329
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	242	154	395	395.20	7544.505	3898.829
Pyrene	222	194	416	416.14	7944.257	4105.412
Benzo(a)anthracene	0	78	78	78.21	1493.056	771.577
Chrysene	0	96	96	95.98	1832.292	946.887
Benzo(b)fluoranthene	0	142	142	142.31	2716.747	1403.953
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode A

Sample Name:		**P08-A**	
Sample Type:	**XAD / Rinse***	**Filter**	**TOTAL**
Sample Date:	**01/22/99**	**01/22/99**	
File Name:	**ENG1220.D**	**ENG1222.D**	
Analysis Date:	**03/31/99**	**03/31/99**	

***P07-A Rinse was combined with P08-A XAD: P08-A Rinse was combined with PB1-A XAD, see sample PB1-A**

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	87.83	96.16
Phenol-d6	90.79	87.59
Nitrobenzene-d5	78.05	103.81
2-Fluorobiphenyl	82.91	85.30
2,4,6-Tribromophenol	84.98	108.95
p-Terphenyl-d14	80.00	97.11

Lab Surrogate Compounds

		% Recovery
Toluene-d8	109.88	90.59
Biphenyl-d10	97.32	93.47
Fluorene-d10	80.78	91.11
Anthracene-d10	86.10	95.87
Pyrene-d10	86.24	92.94

Target Compounds

Hours= 133.25 Dry Fuel (kg)=169.8

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	22683	0	22683	22.67	645.992	498.952
m,p-Xylene	6549	0	6549	6.55	186.645	144.161
o-Xylene	2177	0	2177	2.18	62.120	47.980
Phenol	25887	0	25887	25.86	736.893	569.162
Benzofuran	7958	0	7958	7.96	226.824	175.195
C3-alkylbenzenes	9102	0	9102	9.10	259.309	200.285
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	11613	0	11613	11.60	330.547	255.309
m,p-Cresol	15831	0	15831	15.81	450.513	347.968
C4-alkylbenzenes	14186	0	14186	14.19	404.351	312.313
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	859	0	859	0.86	24.506	18.928
2,3-Dimethylphenol	1243	0	1243	1.24	35.334	27.292
Naphthalene	9949	0	9949	9.94	283.245	218.773
2-Methylnaphthalene	1570	0	1570	1.57	44.738	34.555
1-Methylnaphthalene	1175	0	1175	1.17	33.340	25.751
Biphenyl	896	0	896	0.90	25.646	19.808
Tetradecane	1570	0	1570	1.57	44.738	34.555
C2-alkylnaphthalenes	1478	0	1478	1.48	42.173	32.574
Acenaphthylene	1495	0	1495	1.49	42.458	32.794
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	1300	0	1300	1.30	37.044	28.612
C3-alkylnaphthalenes	599	0	599	0.60	17.097	13.206
Fluorene	540	0	540	0.54	15.388	11.885
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	1039	0	1039	1.04	29.635	22.890
Anthracene	195	0	195	0.19	5.414	4.182
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	0	4	4	0.00	0.000	0.000
Pyrene	0	7	7	0.01	0.285	0.220
Benzo(a)anthracene	0	13	13	0.01	0.285	0.220
Chrysene	0	17	17	0.02	0.570	0.440
Benzo(b)fluoranthene	0	33	33	0.03	0.855	0.660
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	21	21	0.02	0.570	0.440
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode B

Sample Name:			**P08-B**
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**
Sample Date:	**01/28/99**	**01/28/99**	
File Name:	**ENG1260.D**	**ENG1233.D**	
Analysis Date:	**04/02/99**	**04/01/99**	

8270 Surrogate Compounds

		% Recovery
2-Fluorophenol	79.75	93.94
Phenol-d6	75.61	89.76
Nitrobenzene-d5	65.03	90.34
2-Fluorobiphenyl	77.65	93.92
2,4,6-Tribromophenol	74.69	123.56
p-Terphenyl-d14	74.05	94.53

Lab Surrogate Compounds

		% Recovery
Toluene-d8	86.49	89.21
Biphenyl-d10	78.13	94.44
Fluorene-d10	68.51	98.94
Anthracene-d10	75.09	89.67
Pyrene-d10	73.20	92.59

Target Compounds

Hours= 97.75 Dry Fuel (kg)=61

	XAD	**Filter**	**TOTAL**	**Total - Blank**		
	µg	**µg**	**µg**	**µg**	**µg/hr**	**µg/kg (Dry)**
Toluene	2160	0	2160	2143.05	254382.642	156639.688
m,p-Xylene	590	0	590	589.83	70013.538	43111.821
o-Xylene	226	0	226	226.07	26834.784	16523.896
Phenol	3829	0	3829	3801.60	451254.544	277866.330
Benzofuran	738	0	738	737.62	87556.391	53914.079
C3-alkylbenzenes	0	0	0	0.00	0.000	0.000
Decane	0	0	0	0.00	0.000	0.000
o-Cresol	1433	0	1433	1424.54	169094.631	104122.396
m,p-Cresol	2074	0	2074	2053.35	243735.143	150083.341
C4-alkylbenzenes	0	0	0	0.00	0.000	0.000
Undecane	0	0	0	0.00	0.000	0.000
2-Ethylphenol	0	0	0	0.00	0.000	0.000
2,3-Dimethylphenol	0	0	0	0.00	0.000	0.000
Naphthalene	828	0	828	822.87	97675.670	60145.167
2-Methylnaphthalene	191	0	191	190.71	22637.509	13939.364
1-Methylnaphthalene	0	0	0	0.00	0.000	0.000
Biphenyl	0	0	0	0.00	0.000	0.000
Tetradecane	191	0	191	190.71	22637.509	13939.364
C2-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Acenaphthylene	0	0	0	0.00	0.000	0.000
Pentadecane	0	0	0	0.00	0.000	0.000
Acenaphthene	0	0	0	0.00	0.000	0.000
Dibenzofuran	0	0	0	0.00	0.000	0.000
C3-alkylnaphthalenes	0	0	0	0.00	0.000	0.000
Fluorene	0	0	0	0.00	0.000	0.000
Heptadecane	0	0	0	0.00	0.000	0.000
Octadecane	0	0	0	0.00	0.000	0.000
Phenanthrene	0	0	0	-3.18	-377.470	-232.432
Anthracene	0	0	0	0.00	0.000	0.000
Carbazole	0	0	0	0.00	0.000	0.000
Fluoranthene	0	0	0	0.00	0.000	0.000
Pyrene	0	0	0	0.00	0.000	0.000
Benzo(a)anthracene	0	0	0	0.00	0.000	0.000
Chrysene	0	0	0	0.00	0.000	0.000
Benzo(b)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(k)fluoranthene	0	0	0	0.00	0.000	0.000
Benzo(a)pyrene	0	0	0	0.00	0.000	0.000
Indeno(1,2,3-cd)pyrene	0	0	0	0.00	0.000	0.000
Dibenz(a,h)anthracene	0	0	0	0.00	0.000	0.000
Benzo(g,h,i)perylene	0	0	0	0.00	0.000	0.000

Omni - SVOC Compounds
Episode C

Sample Name:		**P08-C**		
Sample Type:	**XAD / Rinse**	**Filter**	**TOTAL**	
Sample Date:	**02/19/99**	**02/19/99**		
File Name:	**ENG1271.D**	**ENG1252.D**		
Analysis Date:	**04/06/99**	**04/02/99**		
		8270 Surrogate Compounds		
		% Recovery		
2-Fluorophenol	82.43	87.83		
Phenol-d6	99.89	82.84		
Nitrobenzene-d5	76.23	88.62		
2-Fluorobiphenyl	60.90	78.33		
2,4,6-Tribromophenol	68.65	119.35		
p-Terphenyl-d14	53.20	91.81		
		Lab Surrogate Compounds		
		% Recovery		
Toluene-d8	90.15	80.99		
Biphenyl-d10	62.79	84.00		
Fluorene-d10	58.61	86.63		
Anthracene-d10	55.57	88.86		
Pyrene-d10	54.09	83.42		
		Target Compounds		
	XAD	**Filter**	**TOTAL**	**Total - Blank**
	µg	**µg**	**µg**	**µg**
Toluene	7073	0	7073	Lost Sample
m,p-Xylene	2439	0	2439	
o-Xylene	912	0	912	
Phenol	13715	0	13715	
Benzofuran	2144	0	2144	
C3-alkylbenzenes	1437	0	1437	
Decane	0	0	0	
o-Cresol	5024	0	5024	
m,p-Cresol	7133	0	7133	
C4-alkylbenzenes	1119	0	1119	
Undecane	0	0	0	
2-Ethylphenol	402	0	402	
2,3-Dimethylphenol	604	0	604	
Naphthalene	2239	0	2239	
2-Methylnaphthalene	498	0	498	
1-Methylnaphthalene	354	0	354	
Biphenyl	245	0	245	
Tetradecane	498	0	498	
C2-alkylnaphthalenes	611	0	611	
Acenaphthylene	308	0	308	
Pentadecane	0	0	0	
Acenaphthene	0	0	0	
Dibenzofuran	310	0	310	
C3-alkylnaphthalenes	988	0	988	
Fluorene	0	0	0	
Heptadecane	0	0	0	
Octadecane	0	0	0	
Phenanthrene	299	0	299	
Anthracene	62	0	62	
Carbazole	0	0	0	
Fluoranthene	75	0	75	
Pyrene	73	0	73	
Benzo(a)anthracene	0	6	6	
Chrysene	0	7	7	
Benzo(b)fluoranthene	0	0	0	
Benzo(k)fluoranthene	0	0	0	
Benzo(a)pyrene	0	0	0	
Indeno(1,2,3-cd)pyrene	0	0	0	
Dibenz(a,h)anthracene	0	0	0	
Benzo(g,h,i)perylene	0	0	0	

Blank Data - Portland

Omni - Blanks
Episode A, B, and C of P

Sample Name:	**DCM 076 MeCl2 Blank**
Sample Type:	**Blank**
Sample Date:	**02/22/99**
File Name:	**ENG1185.D**
Analysis Date:	**03/26/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Blank
	µg
Toluene	0
m,p-Xylene	0
o-Xylene	0
Phenol	0
Benzofuran	0
C3-alkylbenzene	0
Decane	0
o-Cresol	0
m,p-Cresol	0
C4-alkylbenzene	0
Undecane	0
2-Ethylphenol	0
2,3-Dimethylphenol	0
Naphthalene	0
2-Methylnaphthalene	0
1-Methylnaphthalene	0
Biphenyl	0
Tetradecane	0
C2-alkylnaphthalene	0
Acenaphthylene	0
Pentadecane	0
Acenaphthene	0
Dibenzofuran	0
C3-alkylnaphthalene	0
Fluorene	0
Heptadecane	0
Octadecane	0
Phenanthrene	0
Anthracene	0
Carbazole	0
Fluoranthene	0
Pyrene	0
Benzo(a)anthracene	0
Chrysene	0
Benzo(b)fluoranthene	0
Benzo(k)fluoranthene	0
Benzo(a)pyrene	0
Indeno(1,2,3-cd)pyrene	0
Dibenz(a,h)anthracene	0
Benzo(g,h,i)perylene	0

Omni - Blanks
Episode A, B, and C of P

Sample Name:	**SDM 026 MeOH/MeCl2 Blank**
Sample Type:	**Blank**
Sample Date:	**02/09/99**
File Name:	**ENG1189.D**
Analysis Date:	**03/26/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Blank
	µg
Toluene	0
m,p-Xylene	0
o-Xylene	0
Phenol	0
Benzofuran	0
C3-alkylbenzene	0
Decane	0
o-Cresol	0
m,p-Cresol	0
C4-alkylbenzene	0
Undecane	0
2-Ethylphenol	0
2,3-Dimethylphenol	0
Naphthalene	0
2-Methylnaphthalene	0
1-Methylnaphthalene	0
Biphenyl	0
Tetradecane	0
C2-alkylnaphthalene	0
Acenaphthylene	0
Pentadecane	0
Acenaphthene	0
Dibenzofuran	0
C3-alkylnaphthalene	0
Fluorene	0
Heptadecane	0
Octadecane	0
Phenanthrene	0
Anthracene	0
Carbazole	0
Fluoranthene	0
Pyrene	0
Benzo(a)anthracene	0
Chrysene	0
Benzo(b)fluoranthene	0
Benzo(k)fluoranthene	0
Benzo(a)pyrene	0
Indeno(1,2,3-cd)pyrene	0
Dibenz(a,h)anthracene	0
Benzo(g,h,i)perylene	0

Omni - Blanks
Episode A, B, and C of P

Sample Name:	**SDM 028 MeOH/MeCl2 Blank**
Sample Type:	**Blank**
Sample Date:	**02/22/99**
File Name:	**ENG1190.D**
Analysis Date:	**03/26/99**
	8270 Surrogate Compounds
	% Recovery
2-Fluorophenol	NA
Phenol-d6	NA
Nitrobenzene-d5	NA
2-Fluorobiphenyl	NA
2,4,6-Tribromophenol	NA
p-Terphenyl-d14	NA
	Lab Surrogate Compounds
	% Recovery
Toluene-d8	NA
Biphenyl-d10	NA
Fluorene-d10	NA
Anthracene-d10	NA
Pyrene-d10	NA
	Target Compounds
	Blank
	µg
Toluene	0
m,p-Xylene	0
o-Xylene	0
Phenol	0
Benzofuran	0
C3-alkylbenzene	0
Decane	0
o-Cresol	0
m,p-Cresol	0
C4-alkylbenzene	0
Undecane	0
2-Ethylphenol	0
2,3-Dimethylphenol	0
Naphthalene	0
2-Methylnaphthalene	0
1-Methylnaphthalene	0
Biphenyl	0
Tetradecane	0
C2-alkylnaphthalene	0
Acenaphthylene	0
Pentadecane	0
Acenaphthene	0
Dibenzofuran	0
C3-alkylnaphthalene	0
Fluorene	0
Heptadecane	0
Octadecane	0
Phenanthrene	0
Anthracene	0
Carbazole	0
Fluoranthene	0
Pyrene	0
Benzo(a)anthracene	0
Chrysene	0
Benzo(b)fluoranthene	0
Benzo(k)fluoranthene	0
Benzo(a)pyrene	0
Indeno(1,2,3-cd)pyrene	0
Dibenz(a,h)anthracene	0
Benzo(g,h,i)perylene	0

Omni - Blanks
Episode A, B, and C of P

		Not used due to analytical error.		
Sample Name:		**PB1-A**		
Sample Type:	**Rinse**	**XAD/Rinse***	**Filter**	**TOTAL**
Sample Date:				
File Name:	**ENG1179.D**	**ENG1253.D**	**ENG1182.D**	
Analysis Date:	**03/25/99**	**04/02/99**	**03/25/99**	
		***PB1-B XAD combined with P08-A Rinse**		
		8270 Surrogate Compounds		
	% Recovery	**% Recovery**	**% Recovery**	
2-Fluorophenol	0.00	77.17	89.32	
Phenol-d6	0.00	75.69	88.18	
Nitrobenzene-d5	0.00	83.37	104.02	
2-Fluorobiphenyl	0.00	70.38	101.12	
2,4,6-Tribromophenol	0.00	96.01	109.70	
p-Terphenyl-d14	0.00	81.73	116.52	
		Lab Surrogate Compounds		
	% Recovery	**% Recovery**	**% Recovery**	
Toluene-d8	0.00	77.93	86.81	
Biphenyl-d10	0.00	76.93	108.88	
Fluorene-d10	0.00	67.11	101.67	
Anthracene-d10	0.00	81.35	114.56	
Pyrene-d10	0.00	77.03	111.62	
		Target Compounds		
	Rinse	**XAD/Rinse**	**Filter**	
	µg	**µg**	**µg**	**µg**
Toluene	0	18	0	18
m,p-Xylene	0	0	0	0
o-Xylene	0	0	0	0
Phenol	0	931	0	931
Benzofuran	0	0	0	0
C3-alkylbenzene	0	0	0	0
Decane	0	0	0	0
o-Cresol	0	357	0	357
m,p-Cresol	0	967	0	967
C4-alkylbenzene	0	249	0	249
Undecane	0	0	0	0
2-Ethylphenol	0	46	0	46
2,3-Dimethylphenol	0	123	0	123
Naphthalene	0	0	0	0
2-Methylnaphthalene	0	0	0	0
1-Methylnaphthalene	0	0	0	0
Biphenyl	0	0	0	0
Tetradecane	0	0	0	0
C2-alkylnaphthalene	0	249	0	249
Acenaphthylene	0	0	0	0
Pentadecane	0	0	0	0
Acenaphthene	0	0	0	0
Dibenzofuran	0	0	0	0
C3-alkylnaphthalene	0	203	0	203
Fluorene	0	83	0	83
Heptadecane	0	0	0	0
Octadecane	0	0	0	0
Phenanthrene	0	376	0	376
Anthracene	0	77	0	77
Carbazole	0	0	0	0
Fluoranthene	0	175	0	175
Pyrene	0	156	0	156
Benzo(a)anthracene	0	30	0	30
Chrysene	0	33	0	33
Benzo(b)fluoranthene	0	0	0	0
Benzo(k)fluoranthene	0	0	0	0
Benzo(a)pyrene	0	0	0	0
Indeno(1,2,3-cd)pyrene	0	0	0	0
Dibenz(a,h)anthracene	0	0	0	0
Benzo(g,h,i)perylene	0	0	0	0

Omni - Blanks
Episode A, B, and C of P

Sample Name:	**PB2-B**		
Sample Type:	**XAD/Rinse**	**Filter**	**TOTAL**
Sample Date:			
File Name:	**ENG1180.D**	**ENG1183.D**	
Analysis Date:	**03/25/99**	**03/25/99**	
	8270 Surrogate Compounds		
	% Recovery	**% Recovery**	
2-Fluorophenol	85.88	87.15	
Phenol-d6	84.84	83.04	
Nitrobenzene-d5	98.14	105.85	
2-Fluorobiphenyl	94.14	103.41	
2,4,6-Tribromophenol	103.12	107.22	
p-Terphenyl-d14	100.76	113.94	
	Lab Surrogate Compounds		
	% Recovery	**% Recovery**	
Toluene-d8	84.74	86.74	
Biphenyl-d10	101.37	107.01	
Fluorene-d10	82.16	102.79	
Anthracene-d10	97.26	103.48	
Pyrene-d10	94.99	106.65	
	Target Compounds		
	XAD/Rinse	**Filter**	
	µg	**µg**	**µg**
Toluene	35	0	35
m,p-Xylene	0	0	0
o-Xylene	0	0	0
Phenol	54	0	54
Benzofuran	0	0	0
C3-alkylbenzene	0	0	0
Decane	0	0	0
o-Cresol	18	0	18
m,p-Cresol	41	0	41
C4-alkylbenzene	0	0	0
Undecane	0	0	0
2-Ethylphenol	0	0	0
2,3-Dimethylphenol	0	0	0
Naphthalene	10	0	10
2-Methylnaphthalene	0	0	0
1-Methylnaphthalene	0	0	0
Biphenyl	0	0	0
Tetradecane	0	0	0
C2-alkylnaphthalene	0	0	0
Acenaphthylene	0	0	0
Pentadecane	0	0	0
Acenaphthene	0	0	0
Dibenzofuran	0	0	0
C3-alkylnaphthalene	0	0	0
Fluorene	0	0	0
Heptadecane	0	0	0
Octadecane	0	0	0
Phenanthrene	0	0	0
Anthracene	0	0	0
Carbazole	0	0	0
Fluoranthene	0	0	0
Pyrene	0	0	0
Benzo(a)anthracene	0	0	0
Chrysene	0	0	0
Benzo(b)fluoranthene	0	0	0
Benzo(k)fluoranthene	0	0	0
Benzo(a)pyrene	0	0	0
Indeno(1,2,3-cd)pyrene	0	0	0
Dibenz(a,h)anthracene	0	0	0
Benzo(g,h,i)perylene	0	0	0

Omni - Blanks
Episode A, B, and C of P

Sample Name:		**PB1-C**	
Sample Type:	**XAD/Rinse**	**Filter**	**TOTAL**
Sample Date:			
File Name:	**ENG1181.D**	**ENG1184.D**	
Analysis Date:	**03/25/99**	**03/25/99**	

	% Recovery	**% Recovery**
2-Fluorophenol	80.58	92.61
Phenol-d6	78.66	90.81
Nitrobenzene-d5	97.43	99.61
2-Fluorobiphenyl	90.29	102.87
2,4,6-Tribromophenol	104.87	106.30
p-Terphenyl-d14	97.96	116.30

	% Recovery	**% Recovery**
Toluene-d8	78.24	94.74
Biphenyl-d10	92.07	106.66
Fluorene-d10	78.92	99.81
Anthracene-d10	93.84	109.90
Pyrene-d10	96.83	114.26

	XAD/Rinse	**Filter**	
	µg	**µg**	**µg**
Toluene	0	0	0
m,p-Xylene	0	0	0
o-Xylene	0	0	0
Phenol	0	0	0
Benzofuran	0	0	0
C3-alkylbenzene	0	0	0
Decane	0	0	0
o-Cresol	0	0	0
m,p-Cresol	0	0	0
C4-alkylbenzene	0	0	0
Undecane	0	0	0
2-Ethylphenol	0	0	0
2,3-Dimethylphenol	0	0	0
Naphthalene	0	0	0
2-Methylnaphthalene	0	0	0
1-Methylnaphthalene	0	0	0
Biphenyl	0	0	0
Tetradecane	0	0	0
C2-alkylnaphthalene	0	0	0
Acenaphthylene	0	0	0
Pentadecane	0	0	0
Acenaphthene	0	0	0
Dibenzofuran	0	0	0
C3-alkylnaphthalene	0	0	0
Fluorene	0	0	0
Heptadecane	0	0	0
Octadecane	0	0	0
Phenanthrene	6	0	6
Anthracene	0	0	0
Carbazole	0	0	0
Fluoranthene	0	0	0
Pyrene	0	0	0
Benzo(a)anthracene	0	0	0
Chrysene	0	0	0
Benzo(b)fluoranthene	0	0	0
Benzo(k)fluoranthene	0	0	0
Benzo(a)pyrene	0	0	0
Indeno(1,2,3-cd)pyrene	0	0	0
Dibenz(a,h)anthracene	0	0	0
Benzo(g,h,i)perylene	0	0	0