



Client:	Arada
Model:	Farringdon 16
Tracking No.:	75
Project No.:	035-S-075-1
Test Dates:	2/14/17 - 2/17/17

Run Number	(kg/hr) Burn Rate	% Overall Efficiency
1	0.59	81.1
2	0.77	83.4
3	0.98	79.5
4	1.29	75.0
5	2.01	71.7

Total Runs: 5

## CSA B415.1-10 Weighted Average



Weighted Average: **77.2** %

Client: Arada  
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Burn Rate Category	1
Burn Rate (kg/hr-dry)	0.59
OA Efficiency %	81.1
Emissions Rate Cap (g/hr)	15
Weighting Factor	10.96%
Run Number	1

Burn Rate Category	1
Burn Rate (kg/hr-dry)	0.77
OA Efficiency %	83.4
Emissions Rate Cap (g/hr)	15
Weighting Factor	14.42%
Run Number	2

Burn Rate Category	2
Burn Rate (kg/hr-dry)	0.98
OA Efficiency %	79.5
Emissions Rate Cap (g/hr)	15
Weighting Factor	22.65%
Run Number	3

Burn Rate Category	3
Burn Rate (kg/hr-dry)	1.29
OA Efficiency %	75.0
Emissions Rate Cap (g/hr)	15
Weighting Factor	30.52%
Run Number	4

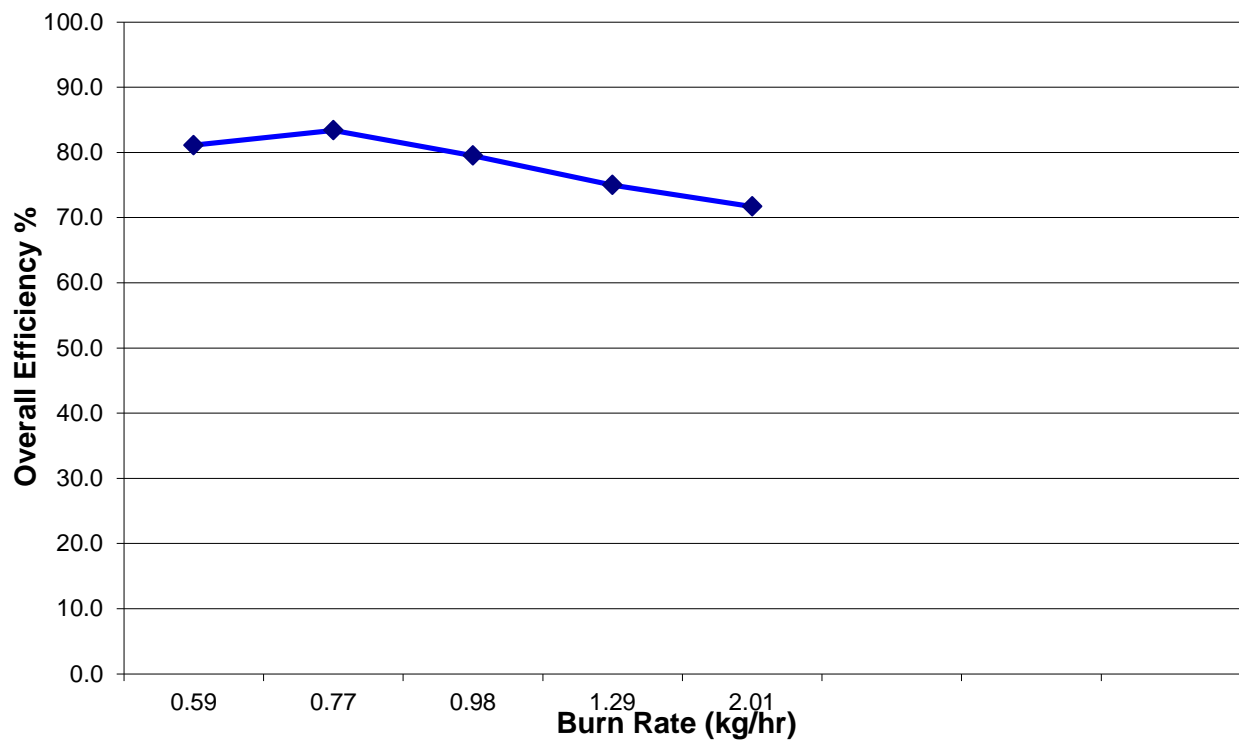
Burn Rate Category	4
Burn Rate (kg/hr-dry)	2.01
Emissions Rate (g/hr)	71.7
Emissions Rate Cap (g/hr)	18
Weighting Factor	21.45%
Run Number	5

CSA B415.1-10 - Weighted Average



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### CSA B415.1-10- Weighted Average





Test No.	Burn Rate	Pi	Ei	Ki	KiEi	Burn Rate (kg/hr-dry)	Cum. Probability (P)
1	0.59	0.097	81.1	0.199	16.14	0.00	0.0000
2	0.77	0.199	83.4	0.262	21.85	0.01	0.0004
3	0.98	0.359	79.5	0.411	32.71	0.02	0.0008
4	1.29	0.610	75.0	0.554	41.58	0.03	0.0012
5	2.01	0.914	71.7	0.390	27.93	0.04	0.0016
0	5.00	1.000	0.0	0.000	0.00	0.05	0.0020
0	5.00	1.000	0.0	0.000	0.00	0.06	0.0030
0	5.00	1.000	0.0	0.000	0.00	0.07	0.0040
		1.000		1.816	140.21	0.08	0.0050
						0.09	0.0060
						0.10	0.0070
						0.11	0.0080
						0.12	0.0090
						0.13	0.0100
						0.14	0.0110
						0.15	0.0120
						0.16	0.0128
						0.17	0.0136

Nomenclature:

Pi = Probability for burn rate during test run

Ei = Emissions Rate for test run

Ki = Test run weighting factor