APPENDIX C

HAPS Emissions Calculations / Field Data

1. Auto Feedstock – Scrubber/Cyclone 1
2. Auto Feedstock– Cyclone 2
3. Auto Feedstock– Cyclone 3
4. Municipal Feedstock – Scrubber/Cyclone 1
5. Municipal Feedstock– Cyclone 2
6. Municipal Feedstock– Cyclone 3
7. Blended Feedstock– Scrubber/Cyclone 1
8. Blended Feedstock – Cyclone 2
9. Blended Feedstock – Cyclone 3

C1. Auto Feedstock – Scrubber/Cyclone 1

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C1-R1 SUMMA # 288		
Date	18-Nov-15		
Start	9:59		
Stop	10:59		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		437	6.56E-02
1,2-Dichlorotetrafluoroethane	<	1.2	1.80E-04
Chloromethane		2.20	3.30E-04
Vinyl Chloride		1.22	1.83E-04
Chloroethane	<	0.79	1.19E-04
1,3-Butadiene	<	1.1	1.65E-04
Trichlorofluoromethane (FREON 11)		7.6	1.14E-03
Ethanol (ethyl alcohol)		5060	7.60E-01
Trichlorotrifluoroethane	<	1.2	1.80E-04
2-propanol		2180	3.27E-01
2-Propanone		1500	2.25E-01
Methyl Ethyl Ketone (2-Butanone)		915	1.37E-01
Methyl Isobutyl Ketone		30.4	4.56E-03
Methyl Butyl Ketone (2-Hexanone)	<	11	1.65E-03
Methyl t-butyl ether (MTBE)	<	26	3.90E-03
Ethyl Acetate		75.5	1.13E-02
1,1-Dichloroethylene		9.49	1.42E-03
cis-1,2-Dichloroethylene	<	0.4	6.00E-05
trans-1,2-Dichloroethylene	<	0.4	6.00E-05
Methylene Chloride(Dichloromethane)		83.8	1.26E-02
Chloroform	<	2.4	3.60E-04
Carbon Tetrachloride	<	0.63	9.46E-05
1,1-Dichloroethane	<	2.8	4.20E-04
1,2-Dichloroethane	<	0.4	6.00E-05
Ethylene Dibromide	<	0.77	1.16E-04
1,1,1-Trichloroethane		1.55	2.33E-04
1,1,2-Trichloroethane	<	0.55	8.26E-05
1,1,2,2-Tetrachloroethane	<	0.69	1.04E-04
cis-1,3-Dichloropropene	<	0.45	6.75E-05
trans-1,3-Dichloropropene	<	0.45	6.75E-05
1,2-Dichloropropane	<	0.46	6.90E-05
Bromomethane		0.46	6.90E-05
Bromoform	<	2.1	3.15E-04
Bromodichloromethane	<	1.3	1.95E-04
Dibromochloromethane	<	1.7	2.55E-04
Trichloroethylene	<	0.5	8.11E-05
Volumetric Flow (DSCFH)	2349398		
Moisture (%)	2.09%		
Volumetric Flow (WSCFH)	**2399466**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C1-R1 SUMMA # 288		
Date	18-Nov-15		
Start	9:59		
Stop	10:59		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		7.20	1.08E-03
Benzene		404	6.06E-02
Toluene		1900	2.85E-01
Ethylbenzene		372	5.58E-02
p+m-Xylene		1270	1.91E-01
o-Xylene		462	6.93E-02
Styrene		127	1.91E-02
4-ethyltoluene		147	2.21E-02
1,3,5-Trimethylbenzene		151	2.27E-02
1,2,4-Trimethylbenzene		478	7.18E-02
Chlorobenzene	<	0.46	6.90E-05
Benzyl chloride	<	2.6	3.90E-04
1,3-Dichlorobenzene	<	2.4	3.60E-04
1,4-Dichlorobenzene	<	0.6	9.01E-05
1,2-Dichlorobenzene	<	0.6	9.01E-05
1,2,4-Trichlorobenzene	<	3.7	5.55E-04
Hexachlorobutadiene	<	5.3	7.96E-04
Hexane		1210	1.82E-01
Heptane		719	1.08E-01
Cyclohexane		559	8.39E-02
Tetrahydrofuran		309	4.64E-02
1,4-Dioxane	<	6.1	9.16E-04
Naphthalene		12.2	1.83E-03
Xylene (Total)	<	1730	2.60E-01
1,1,1,2-Tetrachloroethane	<	0.69	1.04E-04
Vinyl Bromide	<	0.87	1.31E-04
Propene		167	2.51E-02
2,2,4-Trimethylpentane		1100	1.65E-01
Carbon Disulfide	<	1.6	2.40E-04
Vinyl Acetate	<	190	2.85E-02
Volumetric Flow (WSCFH):	2399466		
			lb/hr
Max Detected Compound:	Ethanol		7.60E-01
Total Detected HAP:			3.21E+00

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C1-R2 SUMMA # 7812		
Date	18-Nov-15		
Start	12:28		
Stop	13:28		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		172	2.50E-02
1,2-Dichlorotetrafluoroethane	<	1.2	1.74E-04
Chloromethane		1.94	2.82E-04
Vinyl Chloride		1.27	1.84E-04
Chloroethane	<	0.79	1.15E-04
1,3-Butadiene	<	1.1	1.60E-04
Trichlorofluoromethane (FREON 11)		65.4	9.50E-03
Ethanol (ethyl alcohol)		7290	1.06E+00
Trichlorotrifluoroethane	<	1.2	1.74E-04
2-propanol		1550	2.25E-01
2-Propanone		2970	4.31E-01
Methyl Ethyl Ketone (2-Butanone)		1330	1.93E-01
Methyl Isobutyl Ketone		20.8	3.02E-03
Methyl Butyl Ketone (2-Hexanone)	<	11	1.60E-03
Methyl t-butyl ether (MTBE)		14.1	2.05E-03
Ethyl Acetate		95.6	1.39E-02
1,1-Dichloroethylene	<	10	1.45E-03
cis-1,2-Dichloroethylene	<	0.4	5.81E-05
trans-1,2-Dichloroethylene	<	0.4	5.81E-05
Methylene Chloride(Dichloromethane)		12.4	1.80E-03
Chloroform	<	2	2.91E-04
Carbon Tetrachloride	<	0.63	9.15E-05
1,1-Dichloroethane	<	0.4	5.81E-05
1,2-Dichloroethane	<	0.4	5.81E-05
Ethylene Dibromide	<	0.77	1.12E-04
1,1,1-Trichloroethane		0.63	9.15E-05
1,1,2-Trichloroethane	<	0.55	7.99E-05
1,1,2,2-Tetrachloroethane	<	0.69	1.00E-04
cis-1,3-Dichloropropene	<	0.45	6.54E-05
trans-1,3-Dichloropropene	<	0.45	6.54E-05
1,2-Dichloropropane	<	3.7	5.37E-04
Bromomethane		0.51	7.41E-05
Bromoform	<	2.1	3.05E-04
Bromodichloromethane	<	1.3	1.89E-04
Dibromochloromethane	<	1.7	2.47E-04
Trichloroethylene	<	1.7	2.47E-04
Volumetric Flow (DSCFH)	2273077		
Moisture (%)	2.10%		
Volumetric Flow (WSCFH)	**2321839**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C1-R2 SUMMA # 7812		
Date	18-Nov-15		
Start	12:28		
Stop	13:28		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		1.72	2.50E-04
Benzene		655	9.51E-02
Toluene		3380	4.91E-01
Ethylbenzene		657	9.54E-02
p+m-Xylene		2210	3.21E-01
o-Xylene		816	1.19E-01
Styrene		148	2.15E-02
4-ethyltoluene		251	3.65E-02
1,3,5-Trimethylbenzene		250	3.63E-02
1,2,4-Trimethylbenzene		717	1.04E-01
Chlorobenzene	<	0.46	6.68E-05
Benzyl chloride	<	2.6	3.78E-04
1,3-Dichlorobenzene	<	2.4	3.49E-04
1,4-Dichlorobenzene	<	0.6	8.72E-05
1,2-Dichlorobenzene	<	0.6	8.72E-05
1,2,4-Trichlorobenzene	<	3.7	5.37E-04
Hexachlorobutadiene	<	5.6	8.13E-04
Hexane		1880	2.73E-01
Heptane		925	1.34E-01
Cyclohexane		594	8.63E-02
Tetrahydrofuran		127	1.84E-02
1,4-Dioxane	<	6.5	9.44E-04
Naphthalene		35.7	5.19E-03
Xylene (Total)		3020	4.39E-01
1,1,1,2-Tetrachloroethane	<	0.69	1.00E-04
Vinyl Bromide	<	0.87	1.26E-04
Propene		135	1.96E-02
2,2,4-Trimethylpentane		1470	2.14E-01
Carbon Disulfide	<	1.6	2.32E-04
Vinyl Acetate	<	220	3.20E-02
Volumetric Flow (WSCFH):	**2321839**		
			lb/hr
Max Detected Compound:	**Ethanol**		**1.06E+00**
Total Detected HAP:			**4.47E+00**

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C1-R4 Summa # 7802		
Date	19-Nov-16		
Start	7:39		
Stop	8:39		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		13.5	1.90E-03
1,2-Dichlorotetrafluoroethane	<	1.2	1.69E-04
Chloromethane		1.99	2.81E-04
Vinyl Chloride		1.19	1.68E-04
Chloroethane	<	0.79	1.11E-04
1,3-Butadiene	<	1.1	1.55E-04
Trichlorofluoromethane (FREON 11)		14.3	2.02E-03
Ethanol (ethyl alcohol)		9120	1.29E+00
Trichlorotrifluoroethane	<	1.2	1.69E-04
2-propanol		472	6.65E-02
2-Propanone		3390	4.78E-01
Methyl Ethyl Ketone (2-Butanone)		1370	1.93E-01
Methyl Isobutyl Ketone		19.7	2.78E-03
Methyl Butyl Ketone (2-Hexanone)	<	4.1	5.78E-04
Methyl t-butyl ether (MTBE)		27.1	3.82E-03
Ethyl Acetate		145	2.04E-02
1,1-Dichloroethylene	<	11	1.55E-03
cis-1,2-Dichloroethylene	<	0.4	5.64E-05
trans-1,2-Dichloroethylene	<	0.4	5.64E-05
Methylene Chloride(Dichloromethane)		19.9	2.81E-03
Chloroform	<	2.4	3.38E-04
Carbon Tetrachloride	<	0.63	8.88E-05
1,1-Dichloroethane	<	3.2	4.51E-04
1,2-Dichloroethane	<	0.4	5.64E-05
Ethylene Dibromide	<	0.77	1.09E-04
1,1,1-Trichloroethane	<	0.55	7.75E-05
1,1,2-Trichloroethane	<	0.55	7.75E-05
1,1,2,2-Tetrachloroethane	<	0.69	9.73E-05
cis-1,3-Dichloropropene	<	0.45	6.34E-05
trans-1,3-Dichloropropene	<	0.45	6.34E-05
1,2-Dichloropropane	<	3.7	5.22E-04
Bromomethane		0.42	5.92E-05
Bromoform	<	2.1	2.96E-04
Bromodichloromethane	<	1.3	1.83E-04
Dibromochloromethane	<	1.7	2.40E-04
Trichloroethylene	<	2.7	3.81E-04
Volumetric Flow (DSCFH)	2190033		
Moisture (%)	2.82%		
Volumetric Flow (WSCFH)	**2253508**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C1-R4 Summa # 7802		
Date	19-Nov-16		
Start	7:39		
Stop	8:39		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		4.83	6.81E-04
Benzene		644	9.08E-02
Toluene		3880	5.47E-01
Ethylbenzene		701	9.88E-02
p+m-Xylene		2250	3.17E-01
o-Xylene		820	1.16E-01
Styrene		139	1.96E-02
4-ethyltoluene		260	3.67E-02
1,3,5-Trimethylbenzene		254	3.58E-02
1,2,4-Trimethylbenzene		693	9.77E-02
Chlorobenzene	<	<0.46	#VALUE!
Benzyl chloride	<	<2.6	#VALUE!
1,3-Dichlorobenzene	<	<2.4	#VALUE!
1,4-Dichlorobenzene	<	<0.60	#VALUE!
1,2-Dichlorobenzene	<	<0.60	#VALUE!
1,2,4-Trichlorobenzene	<	<3.7	#VALUE!
Hexachlorobutadiene	<	<5.3	#VALUE!
Hexane		1820	2.57E-01
Heptane		949	1.34E-01
Cyclohexane		584	8.23E-02
Tetrahydrofuran		182	2.57E-02
1,4-Dioxane	<	<6.5	#VALUE!
Naphthalene		40.3	5.68E-03
Total Xylenes		3070	4.33E-01
1,1,1,2-Tetrachloroethane	<	<0.69	#VALUE!
Vinyl Bromide	<	<0.87	#VALUE!
Propene		141	1.99E-02
2,2,4-Trimethylpentane		1860	2.62E-01
Carbon Disulfide	<	<1.6	#VALUE!
Vinyl Acetate	<	<210	#VALUE!
Volumetric Flow (WSCFH):	2253508		
			lb/hr
Max Detected Compound:	Ethanol		1.29E+00
Total Detected HAP:			4.64E+00

C2. Auto Feedstock – Cyclone 2

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C2-R1 SUMMA # 2754		
Date	18-Nov-15		
Start	10:01		
Stop	11:01		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		2.69	1.88E-04
1,2-Dichlorotetrafluoroethane	<	1.2	8.39E-05
Chloromethane		0.74	5.17E-05
Vinyl Chloride	<	0.26	1.82E-05
Chloroethane	<	0.79	5.52E-05
1,3-Butadiene	<	1.1	7.69E-05
Trichlorofluoromethane (FREON 11)		2.5	1.75E-04
Ethanol (ethyl alcohol)		650	4.55E-02
Trichlorotrifluoroethane	<	1.2	8.39E-05
2-propanol		242	1.69E-02
2-Propanone		3330	2.33E-01
Methyl Ethyl Ketone (2-Butanone)		41.2	2.88E-03
Methyl Isobutyl Ketone	<	4.1	2.87E-04
Methyl Butyl Ketone (2-Hexanone)	<	4.1	2.87E-04
Methyl t-butyl ether (MTBE)	<	0.72	5.03E-05
Ethyl Acetate	<	3.6	2.52E-04
1,1-Dichloroethylene	<	0.4	2.80E-05
cis-1,2-Dichloroethylene	<	0.4	2.80E-05
trans-1,2-Dichloroethylene	<	0.4	2.80E-05
Methylene Chloride(Dichloromethane)	<	2.8	1.96E-04
Chloroform	<	0.49	3.43E-05
Carbon Tetrachloride	<	0.63	4.41E-05
1,1-Dichloroethane	<	0.4	2.80E-05
1,2-Dichloroethane	<	0.4	2.80E-05
Ethylene Dibromide	<	0.77	5.38E-05
1,1,1-Trichloroethane	<	0.55	3.85E-05
1,1,2-Trichloroethane	<	0.55	3.85E-05
1,1,2,2-Tetrachloroethane	<	0.69	4.82E-05
cis-1,3-Dichloropropene	<	0.45	3.15E-05
trans-1,3-Dichloropropene	<	0.45	3.15E-05
1,2-Dichloropropane	<	0.46	3.22E-05
Bromomethane	<	0.39	2.73E-05
Bromoform	<	2.1	1.47E-04
Bromodichloromethane	<	1.3	9.09E-05
Dibromochloromethane	<	1.7	1.19E-04
Trichloroethylene	<	0.5	3.78E-05
Volumetric Flow (DSCFH)	1105216		
Moisture (%)	1.12%		
Volumetric Flow (WSCFH)	**1117738**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C2-R1 SUMMA # 2754		
Date	18-Nov-15		
Start	10:01		
Stop	11:01		
Compounds		ug/M3	lb/hr
Tetrachloroethylene	<	0.68	4.75E-05
Benzene		24.0	1.68E-03
Toluene		726	5.08E-02
Ethylbenzene		21.5	1.50E-03
p+m-Xylene		80.7	5.64E-03
o-Xylene		30.9	2.16E-03
Styrene		4.01	2.80E-04
4-ethyltoluene		9.5	6.64E-04
1,3,5-Trimethylbenzene		19.7	1.38E-03
1,2,4-Trimethylbenzene		33.0	2.31E-03
Chlorobenzene	<	0.49	3.43E-05
Benzyl chloride	<	2.6	1.82E-04
1,3-Dichlorobenzene	<	2.4	1.68E-04
1,4-Dichlorobenzene	<	0.6	4.20E-05
1,2-Dichlorobenzene	<	0.6	4.20E-05
1,2,4-Trichlorobenzene	<	3.7	2.59E-04
Hexachlorobutadiene	<	5.3	3.71E-04
Hexane		43.1	3.01E-03
Heptane		210	1.47E-02
Cyclohexane		23.1	1.62E-03
Tetrahydrofuran	<	3.2	2.24E-04
1,4-Dioxane		15.0	1.05E-03
Naphthalene		14.6	1.02E-03
Xylene (Total)		112	7.83E-03
1,1,1,2-Tetrachloroethane	<	0.69	4.82E-05
Vinyl Bromide	<	0.87	6.08E-05
Propene		4.49	3.14E-04
2,2,4-Trimethylpentane		42.4	2.96E-03
Carbon Disulfide	<	1.6	1.12E-04
Vinyl Acetate	<	4.6	3.22E-04
Volumetric Flow (WSCFH):	1117738		
			lb/hr
Max Detected Compound:	2-Propanone		2.33E-01
Total Detected HAP:			3.97E-01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C2-R2 SUMMA # 18264		
Date	18-Nov-15		
Start	12:28		
Stop	13:28		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	2.4	1.61E-04
1,2-Dichlorotetrafluoroethane	<	2.9	1.95E-04
Chloromethane	<	1.5	1.01E-04
Vinyl Chloride	<	0.61	4.10E-05
Chloroethane	<	1.9	1.28E-04
1,3-Butadiene	<	2.7	1.81E-04
Trichlorofluoromethane (FREON 11)	<	2.7	1.81E-04
Ethanol (ethyl alcohol)		674	4.52E-02
Trichlorotrifluoroethane	<	2.8	1.88E-04
2-propanol		7.0	4.70E-04
2-Propanone		117	7.85E-03
Methyl Ethyl Ketone (2-Butanone)		7.8	5.24E-04
Methyl Isobutyl Ketone	<	9.8	6.58E-04
Methyl Butyl Ketone (2-Hexanone)	<	9.8	6.58E-04
Methyl t-butyl ether (MTBE)	<	1.7	1.14E-04
Ethyl Acetate	<	8.6	5.77E-04
1,1-Dichloroethylene	<	0.95	6.38E-05
cis-1,2-Dichloroethylene	<	0.95	6.38E-05
trans-1,2-Dichloroethylene	<	0.95	6.38E-05
Methylene Chloride(Dichloromethane)	<	6.7	4.50E-04
Chloroform	<	1.1	7.38E-05
Carbon Tetrachloride	<	1.5	1.01E-04
1,1-Dichloroethane	<	0.97	6.51E-05
1,2-Dichloroethane	<	0.97	6.51E-05
Ethylene Dibromide	<	1.8	1.21E-04
1,1,1-Trichloroethane	<	1.3	8.73E-05
1,1,2-Trichloroethane	<	1.3	8.73E-05
1,1,2,2-Tetrachloroethane	<	1.6	1.07E-04
cis-1,3-Dichloropropene	<	1.1	7.38E-05
trans-1,3-Dichloropropene	<	1.1	7.38E-05
1,2-Dichloropropane	<	1.1	7.38E-05
Bromomethane	<	0.93	6.24E-05
Bromoform	<	5	3.36E-04
Bromodichloromethane	<	3.2	2.15E-04
Dibromochloromethane	<	4.1	2.75E-04
Trichloroethylene	<	1.3	8.73E-05
Volumetric Flow (DSCFH)	1059263		
Moisture (%)	1.30%		
Volumetric Flow (WSCFH)	**1073165**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C2-R2 SUMMA # 18264		
Date	18-Nov-15		
Start	12:28		
Stop	13:28		
Compounds		ug/M3	lb/hr
Tetrachloroethylene	<	1.6	1.07E-04
Benzene		32.9	2.21E-03
Toluene		1620	1.09E-01
Ethylbenzene		33.9	2.28E-03
p+m-Xylene		121	8.12E-03
o-Xylene		45.6	3.06E-03
Styrene		4.1	2.75E-04
4-ethyltoluene		12.0	8.06E-04
1,3,5-Trimethylbenzene		14.2	9.53E-04
1,2,4-Trimethylbenzene		40.3	2.71E-03
Chlorobenzene	<	1.1	7.38E-05
Benzyl chloride	<	6.2	4.16E-04
1,3-Dichlorobenzene	<	5.8	3.89E-04
1,4-Dichlorobenzene	<	1.4	9.40E-05
1,2-Dichlorobenzene	<	1.4	9.40E-05
1,2,4-Trichlorobenzene	<	8.9	5.98E-04
Hexachlorobutadiene	<	13	8.73E-04
Hexane		64.4	4.32E-03
Heptane		526	3.53E-02
Cyclohexane		23.3	1.56E-03
Tetrahydrofuran	<	2.8	1.88E-04
1,4-Dioxane	<	8.6	5.77E-04
Naphthalene		8.3	5.57E-04
Xylene (Total)		166	1.11E-02
1,1,1,2-Tetrachloroethane	<	1.6	1.07E-04
Vinyl Bromide	<	2.1	1.41E-04
Propene		3.6	2.42E-04
2,2,4-Trimethylpentane		48.6	3.26E-03
Carbon Disulfide	<	3.7	2.48E-04
Vinyl Acetate	<	8.5	5.71E-04
Volumetric Flow (WSCFH):	1073165		
			lb/hr
Max Detected Compound:	Toluene		1.09E-01
Total Detected HAP:			2.40E-01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C2-R4 Summa # 14545		
Date	19-Nov-16		
Start	7:39		
Stop	8:39		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		2.3	1.54E-04
1,2-Dichlorotetrafluoroethane	<	2.5	1.68E-04
Chloromethane	<	1.3	8.72E-05
Vinyl Chloride	<	0.54	3.62E-05
Chloroethane	<	1.7	1.14E-04
1,3-Butadiene	<	2.3	1.54E-04
Trichlorofluoromethane (FREON 11)	<	2.4	1.61E-04
Ethanol (ethyl alcohol)		1790	1.20E-01
Trichlorotrifluoroethane	<	2.4	1.61E-04
2-propanol		10.3	6.91E-04
2-Propanone		58.0	3.89E-03
Methyl Ethyl Ketone (2-Butanone)		9.4	6.31E-04
Methyl Isobutyl Ketone	<	8.6	5.77E-04
Methyl Butyl Ketone (2-Hexanone)	<	8.6	5.77E-04
Methyl t-butyl ether (MTBE)		2.2	1.48E-04
Ethyl Acetate	<	7.6	5.10E-04
1,1-Dichloroethylene	<	0.83	5.57E-05
cis-1,2-Dichloroethylene	<	0.83	5.57E-05
trans-1,2-Dichloroethylene	<	0.83	5.57E-05
Methylene Chloride(Dichloromethane)	<	5.8	3.89E-04
Chloroform	<	1	6.71E-05
Carbon Tetrachloride	<	1.3	8.72E-05
1,1-Dichloroethane	<	0.85	5.70E-05
1,2-Dichloroethane	<	0.85	5.70E-05
Ethylene Dibromide	<	1.6	1.07E-04
1,1,1-Trichloroethane	<	1.1	7.38E-05
1,1,2-Trichloroethane	<	1.1	7.38E-05
1,1,2,2-Tetrachloroethane	<	1.4	9.40E-05
cis-1,3-Dichloropropene	<	0.95	6.38E-05
trans-1,3-Dichloropropene	<	0.95	6.38E-05
1,2-Dichloropropane	<	0.97	6.51E-05
Bromomethane	<	0.82	5.50E-05
Bromoform	<	4.3	2.89E-04
Bromodichloromethane	<	2.8	1.88E-04
Dibromochloromethane	<	3.6	2.42E-04
Trichloroethylene	<	1.1	7.38E-05
Volumetric Flow (DSCFH)	1056931		
Moisture (%)	1.48%		
Volumetric Flow (WSCFH)	**1072774**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C2-R4 Summa # 14545		
Date	19-Nov-16		
Start	7:39		
Stop	8:39		
Compounds		ug/M3	lb/hr
Tetrachloroethylene	<	<1.4	#VALUE!
Benzene		41.4	2.78E-03
Toluene		1610	1.08E-01
Ethylbenzene		40.8	2.74E-03
p+m-Xylene		145	9.73E-03
o-Xylene		54.1	3.63E-03
Styrene		6.22	4.17E-04
4-ethyltoluene		14.8	9.93E-04
1,3,5-Trimethylbenzene		15.9	1.07E-03
1,2,4-Trimethylbenzene		48.3	3.24E-03
Chlorobenzene	<	<0.97	#VALUE!
Benzyl chloride	<	<5.4	#VALUE!
1,3-Dichlorobenzene	<	<5.1	#VALUE!
1,4-Dichlorobenzene	<	<1.3	#VALUE!
1,2-Dichlorobenzene	<	<1.3	#VALUE!
1,2,4-Trichlorobenzene	<	<7.8	#VALUE!
Hexachlorobutadiene	<	<11	#VALUE!
Hexane		90.2	6.05E-03
Heptane		527	3.54E-02
Cyclohexane		30.6	2.05E-03
Tetrahydrofuran		7.7	5.17E-04
1,4-Dioxane	<	<7.6	#VALUE!
Naphthalene		7.5	5.03E-04
Total Xylenes		199	1.34E-02
1,1,1,2-Tetrachloroethane	<	<1.4	#VALUE!
Vinyl Bromide	<	<1.8	#VALUE!
Propene		2.7	1.81E-04
2,2,4-Trimethylpentane		62.9	4.22E-03
Carbon Disulfide	<	<3.3	#VALUE!
Vinyl Acetate	<	<12	#VALUE!
Volumetric Flow (WSCFH):	1072774		
			lb/hr
Max Detected Compound:	Ethanol		1.20E-01
Total Detected HAP:			3.21E-01

C3. Auto Feedstock – Cyclone 3

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C3-R1 SUMMA # 3677		
Date	18-Nov-15		
Start	9:59		
Stop	10:59		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		2.63	2.04E-04
1,2-Dichlorotetrafluoroethane	<	1.2	9.30E-05
Chloromethane		0.79	6.13E-05
Vinyl Chloride	<	0.26	2.02E-05
Chloroethane	<	0.79	6.13E-05
1,3-Butadiene	<	1.1	8.53E-05
Trichlorofluoromethane (FREON 11)		2.1	1.63E-04
Ethanol (ethyl alcohol)		10.7	8.30E-04
Trichlorotrifluoroethane	<	1.2	9.30E-05
2-propanol	<	2.5	1.94E-04
2-Propanone		16.0	1.24E-03
Methyl Ethyl Ketone (2-Butanone)		3.0	2.33E-04
Methyl Isobutyl Ketone	<	4.1	3.18E-04
Methyl Butyl Ketone (2-Hexanone)	<	4.1	3.18E-04
Methyl t-butyl ether (MTBE)	<	0.72	5.58E-05
Ethyl Acetate	<	3.6	2.79E-04
1,1-Dichloroethylene	<	0.4	3.10E-05
cis-1,2-Dichloroethylene	<	0.4	3.10E-05
trans-1,2-Dichloroethylene	<	0.4	3.10E-05
Methylene Chloride(Dichloromethane)	<	2.8	2.17E-04
Chloroform	<	0.49	3.80E-05
Carbon Tetrachloride	<	0.63	4.88E-05
1,1-Dichloroethane	<	0.4	3.10E-05
1,2-Dichloroethane	<	0.4	3.10E-05
Ethylene Dibromide	<	0.77	5.97E-05
1,1,1-Trichloroethane	<	0.55	4.26E-05
1,1,2-Trichloroethane	<	0.55	4.26E-05
1,1,2,2-Tetrachloroethane	<	0.69	5.35E-05
cis-1,3-Dichloropropene	<	0.45	3.49E-05
trans-1,3-Dichloropropene	<	0.45	3.49E-05
1,2-Dichloropropane	<	0.46	3.57E-05
Bromomethane	<	0.39	3.02E-05
Bromoform	<	2.1	1.63E-04
Bromodichloromethane	<	1.3	1.01E-04
Dibromochloromethane	<	1.7	1.32E-04
Trichloroethylene	<	0.5	4.19E-05
Volumetric Flow (DSCFH)	1119675		
Moisture (%)	9.66%		
Volumetric Flow (WSCFH)	**1239402**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C3-R1 SUMMA # 3677		
Date	18-Nov-15		
Start	9:59		
Stop	10:59		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		1.10	8.53E-05
Benzene		2.61	2.02E-04
Toluene		13.9	1.08E-03
Ethylbenzene		2.21	1.71E-04
p+m-Xylene		7.30	5.66E-04
o-Xylene		2.77	2.15E-04
Styrene		0.68	5.27E-05
4-ethyltoluene	<	2.5	1.94E-04
1,3,5-Trimethylbenzene	<	2.5	1.94E-04
1,2,4-Trimethylbenzene		2.5	1.94E-04
Chlorobenzene	<	0.46	3.57E-05
Benzyl chloride	<	2.6	2.02E-04
1,3-Dichlorobenzene	<	2.4	1.86E-04
1,4-Dichlorobenzene	<	0.6	4.65E-05
1,2-Dichlorobenzene	<	0.6	4.65E-05
1,2,4-Trichlorobenzene	<	3.7	2.87E-04
Hexachlorobutadiene	<	5.3	4.11E-04
Hexane		3.8	2.95E-04
Heptane		3.4	2.64E-04
Cyclohexane		1.30	1.01E-04
Tetrahydrofuran	<	1.2	9.30E-05
1,4-Dioxane	<	3.6	2.79E-04
Naphthalene	<	2.6	2.02E-04
Xylene (Total)		10.1	7.83E-04
1,1,1,2-Tetrachloroethane	<	0.69	5.35E-05
Vinyl Bromide	<	0.87	6.75E-05
Propene		5.63	4.37E-04
2,2,4-Trimethylpentane		3.01	2.33E-04
Carbon Disulfide	<	1.6	1.24E-04
Vinyl Acetate	<	0.7	5.43E-05
Volumetric Flow (WSCFH):	1239402		
			lb/hr
Max Detected Compound:	2-Propanone		1.24E-03
Total Detected HAP:			7.41E-03

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C3-R2 SUMMA # 17168		
Date	18-Nov-15		
Start	12:28		
Stop	13:28		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		2.18	1.55E-04
1,2-Dichlorotetrafluoroethane	<	1.2	8.55E-05
Chloromethane		0.80	5.70E-05
Vinyl Chloride	<	0.26	1.85E-05
Chloroethane	<	0.79	5.63E-05
1,3-Butadiene	<	1.1	7.84E-05
Trichlorofluoromethane (FREON 11)		1.6	1.14E-04
Ethanol (ethyl alcohol)		22.4	1.60E-03
Trichlorotrifluoroethane	<	1.2	8.55E-05
2-propanol	<	2.5	1.78E-04
2-Propanone		6.2	4.42E-04
Methyl Ethyl Ketone (2-Butanone)	<	2.9	2.07E-04
Methyl Isobutyl Ketone	<	4.1	2.92E-04
Methyl Butyl Ketone (2-Hexanone)	<	4.1	2.92E-04
Methyl t-butyl ether (MTBE)	<	0.72	5.13E-05
Ethyl Acetate	<	3.6	2.57E-04
1,1-Dichloroethylene	<	0.4	2.85E-05
cis-1,2-Dichloroethylene	<	0.4	2.85E-05
trans-1,2-Dichloroethylene	<	0.4	2.85E-05
Methylene Chloride(Dichloromethane)	<	2.8	2.00E-04
Chloroform	<	0.49	3.49E-05
Carbon Tetrachloride	<	0.63	4.49E-05
1,1-Dichloroethane	<	0.4	2.85E-05
1,2-Dichloroethane	<	0.4	2.85E-05
Ethylene Dibromide	<	0.77	5.49E-05
1,1,1-Trichloroethane	<	0.55	3.92E-05
1,1,2-Trichloroethane	<	0.55	3.92E-05
1,1,2,2-Tetrachloroethane	<	0.69	4.92E-05
cis-1,3-Dichloropropene	<	0.45	3.21E-05
trans-1,3-Dichloropropene	<	0.45	3.21E-05
1,2-Dichloropropane	<	0.46	3.28E-05
Bromomethane	<	0.39	2.78E-05
Bromoform	<	2.1	1.50E-04
Bromodichloromethane	<	1.3	9.27E-05
Dibromochloromethane	<	1.7	1.21E-04
Trichloroethylene	<	0.54	3.85E-05
Volumetric Flow (DSCFH)	1132915		
Moisture (%)	0.58%		
Volumetric Flow (WSCFH)	**1139558**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C3-R2 SUMMA # 17168		
Date	18-Nov-15		
Start	12:28		
Stop	13:28		
Compounds		ug/M3	lb/hr
Tetrachloroethylene	<	0.68	4.85E-05
Benzene		2.06	1.47E-04
Toluene		8.24	5.87E-04
Ethylbenzene		1.51	1.08E-04
p+m-Xylene		5.00	3.56E-04
o-Xylene		2.00	1.43E-04
Styrene		0.59	4.21E-05
4-ethyltoluene	<	2.5	1.78E-04
1,3,5-Trimethylbenzene	<	2.5	1.78E-04
1,2,4-Trimethylbenzene	<	2.5	1.78E-04
Chlorobenzene	<	0.46	3.28E-05
Benzyl chloride	<	2.6	1.85E-04
1,3-Dichlorobenzene	<	2.4	1.71E-04
1,4-Dichlorobenzene	<	0.6	4.28E-05
1,2-Dichlorobenzene	<	0.6	4.28E-05
1,2,4-Trichlorobenzene	<	3.7	2.64E-04
Hexachlorobutadiene	<	5.3	3.78E-04
Hexane		3.1	2.21E-04
Heptane		1.9	1.35E-04
Cyclohexane		1.03	7.34E-05
Tetrahydrofuran	<	1.2	8.55E-05
1,4-Dioxane	<	3.6	2.57E-04
Naphthalene	<	2.6	1.85E-04
Xylene (Total)		7.0	4.99E-04
1,1,1,2-Tetrachloroethane	<	0.69	4.92E-05
Vinyl Bromide	<	0.87	6.20E-05
Propene		2.14	1.53E-04
2,2,4-Trimethylpentane		2.53	1.80E-04
Carbon Disulfide	<	1.6	1.14E-04
Vinyl Acetate	<	0.7	4.99E-05
Volumetric Flow (WSCFH):	**1139558**		
			lb/hr
Max Detected Compound:	**Ethanol**		**1.60E-03**
Total Detected HAP:			**5.01E-03**

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Auto-C3-R4 Summa # 18273		
Date	19-Nov-16		
Start	7:39		
Stop	8:39		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		2.29	1.60E-04
1,2-Dichlorotetrafluoroethane	<	1.2	8.36E-05
Chloromethane		0.89	6.20E-05
Vinyl Chloride	<	0.26	1.81E-05
Chloroethane	<	0.79	5.51E-05
1,3-Butadiene	<	1.1	7.67E-05
Trichlorofluoromethane (FREON 11)		2.0	1.39E-04
Ethanol (ethyl alcohol)		20.6	1.44E-03
Trichlorotrifluoroethane	<	1.2	8.36E-05
2-propanol	<	2.5	1.74E-04
2-Propanone		6.3	4.39E-04
Methyl Ethyl Ketone (2-Butanone)	<	2.9	2.02E-04
Methyl Isobutyl Ketone	<	4.1	2.86E-04
Methyl Butyl Ketone (2-Hexanone)	<	4.1	2.86E-04
Methyl t-butyl ether (MTBE)	<	0.72	5.02E-05
Ethyl Acetate	<	3.6	2.51E-04
1,1-Dichloroethylene	<	0.4	2.79E-05
cis-1,2-Dichloroethylene	<	0.4	2.79E-05
trans-1,2-Dichloroethylene	<	0.4	2.79E-05
Methylene Chloride(Dichloromethane)	<	2.8	1.95E-04
Chloroform	<	0.49	3.41E-05
Carbon Tetrachloride	<	0.63	4.39E-05
1,1-Dichloroethane	<	0.4	2.79E-05
1,2-Dichloroethane		1.00	6.97E-05
Ethylene Dibromide	<	0.77	5.37E-05
1,1,1-Trichloroethane	<	0.55	3.83E-05
1,1,2-Trichloroethane		0.56	3.90E-05
1,1,2,2-Tetrachloroethane	<	0.69	4.81E-05
cis-1,3-Dichloropropene	<	0.45	3.14E-05
trans-1,3-Dichloropropene	<	0.45	3.14E-05
1,2-Dichloropropane	<	0.46	3.21E-05
Bromomethane	<	0.39	2.72E-05
Bromoform	<	2.1	1.46E-04
Bromodichloromethane	<	1.3	9.06E-05
Dibromochloromethane	<	1.7	1.18E-04
Trichloroethylene	<	0.54	3.76E-05
Volumetric Flow (DSCFH)	1098462		
Moisture (%)	1.39%		
Volumetric Flow (WSCFH)	**1113967**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Auto-C3-R4 Summa # 18273		
Date	19-Nov-16		
Start	7:39		
Stop	8:39		
Compounds		ug/M3	lb/hr
Tetrachloroethylene	<	0.68	4.74E-05
Benzene		1.85	1.29E-04
Toluene		9.30	6.48E-04
Ethylbenzene		1.49	1.04E-04
p+m-Xylene		4.64	3.23E-04
o-Xylene		1.83	1.28E-04
Styrene	<	0.43	3.00E-05
4-ethyltoluene	<	2.5	1.74E-04
1,3,5-Trimethylbenzene	<	2.5	1.74E-04
1,2,4-Trimethylbenzene	<	2.5	1.74E-04
Chlorobenzene	<	0.46	3.21E-05
Benzyl chloride	<	2.6	1.81E-04
1,3-Dichlorobenzene	<	2.4	1.67E-04
1,4-Dichlorobenzene	<	0.6	4.18E-05
1,2-Dichlorobenzene	<	0.6	4.18E-05
1,2,4-Trichlorobenzene	<	3.7	2.58E-04
Hexachlorobutadiene	<	5.3	3.69E-04
Hexane		4.4	3.07E-04
Heptane		2.3	1.60E-04
Cyclohexane		1.39	9.69E-05
Tetrahydrofuran	<	1.2	8.36E-05
1,4-Dioxane	<	3.6	2.51E-04
Naphthalene	<	2.6	1.81E-04
Total Xylenes		6.5	4.53E-04
1,1,1,2-Tetrachloroethane	<	0.69	4.81E-05
Vinyl Bromide	<	0.87	6.06E-05
Propene		1.78	1.24E-04
2,2,4-Trimethylpentane		3.68	2.56E-04
Carbon Disulfide	<	1.6	1.12E-04
Vinyl Acetate	<	0.7	4.88E-05
Volumetric Flow (WSCFH):	1113967		
			lb/hr
Max Detected Compound:	Ethanol		1.44E-03
Total Detected HAP:			5.07E-03

C4. Municipal Feedstock – Scrubber/Cyclone 1

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C1-R1 SUMMA # 270		
Date	19-Nov-15		
Start	9:51		
Stop	10:51		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		1190	1.67E-01
1,2-Dichlorotetrafluoroethane	<	560	7.85E-02
Chloromethane	<	290	4.07E-02
Vinyl Chloride	<	120	1.68E-02
Chloroethane	<	380	5.33E-02
1,3-Butadiene	<	530	7.43E-02
Trichlorofluoromethane (FREON 11)		1110	1.56E-01
Ethanol (ethyl alcohol)		24700	3.46E+00
Trichlorotrifluoroethane	<	550	7.71E-02
2-propanol	<	4100	5.75E-01
2-Propanone		98800	1.39E+01
Methyl Ethyl Ketone (2-Butanone)		16600	2.33E+00
Methyl Isobutyl Ketone		3020	4.24E-01
Methyl Butyl Ketone (2-Hexanone)	<	1900	2.66E-01
Methyl t-butyl ether (MTBE)	<	340	4.77E-02
Ethyl Acetate		4760	6.68E-01
1,1-Dichloroethylene	<	190	2.66E-02
cis-1,2-Dichloroethylene	<	190	2.66E-02
trans-1,2-Dichloroethylene	<	190	2.66E-02
Methylene Chloride(Dichloromethane)		20800	2.92E+00
Chloroform	<	230	3.23E-02
Carbon Tetrachloride	<	300	4.21E-02
1,1-Dichloroethane	<	190	2.66E-02
1,2-Dichloroethane		251	3.52E-02
Ethylene Dibromide	<	370	5.19E-02
1,1,1-Trichloroethane		2370	3.32E-01
1,1,2-Trichloroethane	<	260	3.65E-02
1,1,2,2-Tetrachloroethane	<	330	4.63E-02
cis-1,3-Dichloropropene	<	220	3.09E-02
trans-1,3-Dichloropropene	<	220	3.09E-02
1,2-Dichloropropane	<	220	3.09E-02
Bromomethane	<	180	2.52E-02
Bromoform	<	980	1.37E-01
Bromodichloromethane	<	640	8.98E-02
Dibromochloromethane	<	810	1.14E-01
Trichloroethylene		3130	4.39E-01
Volumetric Flow (DSCFH)	2165559		
Moisture (%)	3.40%		
Volumetric Flow (WSCFH)	**2241809**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C1-R1 SUMMA # 270		
Date	19-Nov-15		
Start	9:51		
Stop	10:51		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		8600	1.21E+00
Benzene		236	3.31E-02
Toluene		44200	6.20E+00
Ethylbenzene		4860	6.82E-01
p+m-Xylene		15900	2.23E+00
o-Xylene		4850	6.80E-01
Styrene		4770	6.69E-01
4-ethyltoluene	<	1200	1.68E-01
1,3,5-Trimethylbenzene	<	1200	1.68E-01
1,2,4-Trimethylbenzene		2530	3.55E-01
Chlorobenzene	<	220	3.09E-02
Benzyl chloride	<	1200	1.68E-01
1,3-Dichlorobenzene	<	1100	1.54E-01
1,4-Dichlorobenzene	<	290	4.07E-02
1,2-Dichlorobenzene	<	290	4.07E-02
1,2,4-Trichlorobenzene	<	1800	2.52E-01
Hexachlorobutadiene	<	2500	3.51E-01
Hexane		8200	1.15E+00
Heptane		10000	1.40E+00
Cyclohexane		4140	5.81E-01
Tetrahydrofuran		9320	1.31E+00
1,4-Dioxane	<	1700	2.38E-01
Naphthalene	<	1200	1.68E-01
Xylene (Total)		20800	2.92E+00
1,1,1,2-Tetrachloroethane	<	330	4.63E-02
Vinyl Bromide	<	420	5.89E-02
Propene	<	41000	5.75E+00
2,2,4-Trimethylpentane		1560	2.19E-01
Carbon Disulfide	<	740	1.04E-01
Vinyl Acetate	<	840	1.18E-01
Volumetric Flow (WSCFH):	2241809		
			lb/hr
Max Detected Compound:	2-Propanone		1.39E+01
Total Detected HAP:			4.44E+01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C1-R2 SUMMA # 2813		
Date	19-Nov-15		
Start	12:32		
Stop	13:32		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	220	3.04E-02
1,2-Dichlorotetrafluoroethane	<	260	3.59E-02
Chloromethane	<	140	1.93E-02
Vinyl Chloride	<	56	7.73E-03
Chloroethane	<	170	2.35E-02
1,3-Butadiene	<	240	3.31E-02
Trichlorofluoromethane (FREON 11)		308	4.25E-02
Ethanol (ethyl alcohol)		51200	7.07E+00
Trichlorotrifluoroethane	<	250	3.45E-02
2-propanol		8360	1.15E+00
2-Propanone		110000	1.52E+01
Methyl Ethyl Ketone (2-Butanone)		16200	2.24E+00
Methyl Isobutyl Ketone		3190	4.40E-01
Methyl Butyl Ketone (2-Hexanone)	<	900	1.24E-01
Methyl t-butyl ether (MTBE)		290	4.00E-02
Ethyl Acetate		4150	5.73E-01
1,1-Dichloroethylene	<	87	1.20E-02
cis-1,2-Dichloroethylene	<	87	1.20E-02
trans-1,2-Dichloroethylene		164	2.26E-02
Methylene Chloride(Dichloromethane)		16000	2.21E+00
Chloroform		244	3.37E-02
Carbon Tetrachloride	<	140	1.93E-02
1,1-Dichloroethane	<	89	1.23E-02
1,2-Dichloroethane	<	89	1.23E-02
Ethylene Dibromide	<	170	2.35E-02
1,1,1-Trichloroethane		6390	8.82E-01
1,1,2-Trichloroethane	<	120	1.66E-02
1,1,2,2-Tetrachloroethane	<	150	2.07E-02
cis-1,3-Dichloropropene	<	100	1.38E-02
trans-1,3-Dichloropropene	<	100	1.38E-02
1,2-Dichloropropane	<	100	1.38E-02
Bromomethane	<	85	1.17E-02
Bromoform	<	450	6.21E-02
Bromodichloromethane	<	290	4.00E-02
Dibromochloromethane	<	370	5.11E-02
Trichloroethylene	<	810	1.12E-01
Volumetric Flow (DSCFH)	2139012		
Moisture (%)	3.04%		
Volumetric Flow (WSCFH)	**2206187**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C1-R2 SUMMA # 2813		
Date	19-Nov-15		
Start	12:32		
Stop	13:32		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		11700	1.61E+00
Benzene		156	2.15E-02
Toluene		53300	7.36E+00
Ethylbenzene		7130	9.84E-01
p+m-Xylene		25400	3.51E+00
o-Xylene		8080	1.12E+00
Styrene		5850	8.07E-01
4-ethyltoluene		1610	2.22E-01
1,3,5-Trimethylbenzene		1710	2.36E-01
1,2,4-Trimethylbenzene		4430	6.11E-01
Chlorobenzene	<	100	1.38E-02
Benzyl chloride	<	570	7.87E-02
1,3-Dichlorobenzene	<	530	7.31E-02
1,4-Dichlorobenzene	<	130	1.79E-02
1,2-Dichlorobenzene	<	130	1.79E-02
1,2,4-Trichlorobenzene	<	820	1.13E-01
Hexachlorobutadiene	<	1200	1.66E-01
Hexane		6510	8.98E-01
Heptane		11400	1.57E+00
Cyclohexane		4280	5.91E-01
Tetrahydrofuran		13200	1.82E+00
1,4-Dioxane	<	790	1.09E-01
Naphthalene	<	580	8.00E-02
Xylene (Total)		33400	4.61E+00
1,1,1,2-Tetrachloroethane	<	150	2.07E-02
Vinyl Bromide	<	190	2.62E-02
Propene	<	43000	5.93E+00
2,2,4-Trimethylpentane		1400	1.93E-01
Carbon Disulfide	<	340	4.69E-02
Vinyl Acetate	<	150	2.07E-02
Volumetric Flow (WSCFH):	2206187		
			lb/hr
Max Detected Compound:	2-Propanone		1.52E+01
Total Detected HAP:			5.60E+01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C1-R3 Summa # 117		
Date	19-Nov-15		
Start	14:38		
Stop	15:38		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	1090	1.53E-01
1,2-Dichlorotetrafluoroethane	<	230	3.23E-02
Chloromethane	<	120	1.69E-02
Vinyl Chloride	<	49	6.89E-03
Chloroethane	<	150	2.11E-02
1,3-Butadiene	<	210	2.95E-02
Trichlorofluoromethane (FREON 11)		2170	3.05E-01
Ethanol (ethyl alcohol)		59500	8.37E+00
Trichlorotrifluoroethane		2790	3.92E-01
2-propanol		10100	1.42E+00
2-Propanone		121000	1.70E+01
Methyl Ethyl Ketone (2-Butanone)		17400	2.45E+00
Methyl Isobutyl Ketone		4490	6.31E-01
Methyl Butyl Ketone (2-Hexanone)	<	780	1.10E-01
Methyl t-butyl ether (MTBE)	<	140	1.97E-02
Ethyl Acetate		3010	4.23E-01
1,1-Dichloroethylene	<	75	1.05E-02
cis-1,2-Dichloroethylene	<	75	1.05E-02
trans-1,2-Dichloroethylene		368	5.18E-02
Methylene Chloride(Dichloromethane)		16400	2.31E+00
Chloroform		161	2.26E-02
Carbon Tetrachloride	<	120	1.69E-02
1,1-Dichloroethane	<	77	1.08E-02
1,2-Dichloroethane	<	77	1.08E-02
Ethylene Dibromide	<	150	2.11E-02
1,1,1-Trichloroethane		3260	4.58E-01
1,1,2-Trichloroethane	<	100	1.41E-02
1,1,2,2-Tetrachloroethane	<	130	1.83E-02
cis-1,3-Dichloropropene	<	86	1.21E-02
trans-1,3-Dichloropropene	<	86	1.21E-02
1,2-Dichloropropane	<	88	1.24E-02
Bromomethane	<	74	1.04E-02
Bromoform	<	390	5.48E-02
Bromodichloromethane	<	250	3.52E-02
Dibromochloromethane	<	320	4.50E-02
Trichloroethylene		3280	4.61E-01
Volumetric Flow (DSCFH)	2174960		
Moisture (%)	3.25%		
Volumetric Flow (WSCFH)	**2247941**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C1-R3 Summa # 117		
Date	19-Nov-15		
Start	14:38		
Stop	15:38		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		13500	1.90E+00
Benzene		231	3.25E-02
Toluene		58000	8.16E+00
Ethylbenzene		6480	9.11E-01
p+m-Xylene		22600	3.18E+00
o-Xylene		6580	9.25E-01
Styrene		5680	7.99E-01
4-ethyltoluene		1410	1.98E-01
1,3,5-Trimethylbenzene		1490	2.10E-01
1,2,4-Trimethylbenzene		3980	5.60E-01
Chlorobenzene	<	87	1.22E-02
Benzyl chloride	<	490	6.89E-02
1,3-Dichlorobenzene	<	460	6.47E-02
1,4-Dichlorobenzene		187	2.63E-02
1,2-Dichlorobenzene		323	4.54E-02
1,2,4-Trichlorobenzene	<	710	9.98E-02
Hexachlorobutadiene	<	1000	1.41E-01
Hexane		5760	8.10E-01
Heptane		10900	1.53E+00
Cyclohexane		2790	3.92E-01
Tetrahydrofuran		13300	1.87E+00
1,4-Dioxane	<	680	9.56E-02
Naphthalene	<	500	7.03E-02
Total Xylenes		29100	4.09E+00
1,1,1,2-Tetrachloroethane	<	130	1.83E-02
Vinyl Bromide	<	170	2.39E-02
Propene	<	45000	6.33E+00
2,2,4-Trimethylpentane		3360	4.73E-01
Carbon Disulfide	<	300	4.22E-02
Vinyl Acetate		599	8.42E-02
Volumetric Flow (WSCFH):	2247941		
			lb/hr
Max Detected Compound:	2-Propanone		1.70E+01
Total Detected HAP:			6.02E+01

C5. Municipal Feedstock – Cyclone 2

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C2-R1 SUMMA # 116		
Date	19-Nov-15		
Start	9:51		
Stop	10:51		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	11	7.20E-04
1,2-Dichlorotetrafluoroethane	<	14	9.16E-04
Chloromethane	<	7.1	4.64E-04
Vinyl Chloride	<	2.9	1.90E-04
Chloroethane	<	9.1	5.95E-04
1,3-Butadiene	<	13	8.50E-04
Trichlorofluoromethane (FREON 11)		15	9.81E-04
Ethanol (ethyl alcohol)		16800	1.10E+00
Trichlorotrifluoroethane	<	13	8.50E-04
2-propanol		1150	7.52E-02
2-Propanone		8130	5.32E-01
Methyl Ethyl Ketone (2-Butanone)		1030	6.74E-02
Methyl Isobutyl Ketone		167	1.09E-02
Methyl Butyl Ketone (2-Hexanone)	<	47	3.07E-03
Methyl t-butyl ether (MTBE)	<	8.3	5.43E-04
Ethyl Acetate		156	1.02E-02
1,1-Dichloroethylene	<	4.6	3.01E-04
cis-1,2-Dichloroethylene	<	4.6	3.01E-04
trans-1,2-Dichloroethylene	<	4.6	3.01E-04
Methylene Chloride(Dichloromethane)		351	2.30E-02
Chloroform	<	8.4	5.49E-04
Carbon Tetrachloride	<	7.2	4.71E-04
1,1-Dichloroethane	<	4.7	3.07E-04
1,2-Dichloroethane		4.8	3.14E-04
Ethylene Dibromide	<	8.8	5.76E-04
1,1,1-Trichloroethane		45.5	2.98E-03
1,1,2-Trichloroethane	<	6.3	4.12E-04
1,1,2,2-Tetrachloroethane	<	7.9	5.17E-04
cis-1,3-Dichloropropene	<	5.2	3.40E-04
trans-1,3-Dichloropropene	<	5.2	3.40E-04
1,2-Dichloropropane	<	5.3	3.47E-04
Bromomethane	<	4.5	2.94E-04
Bromoform	<	24	1.57E-03
Bromodichloromethane	<	15	9.81E-04
Dibromochloromethane	<	20	1.31E-03
Trichloroethylene		115	7.52E-03
Volumetric Flow (DSCFH)	1025352		
Moisture (%)	1.94%		
Volumetric Flow (WSCFH)	**1045629**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C2-R1 SUMMA # 116		
Date	19-Nov-15		
Start	9:51		
Stop	10:51		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		579	3.79E-02
Benzene		9.3	6.08E-04
Toluene		3980	2.60E-01
Ethylbenzene		551	3.60E-02
p+m-Xylene		2060	1.35E-01
o-Xylene		730	4.78E-02
Styrene		889	5.82E-02
4-ethyltoluene		213	1.39E-02
1,3,5-Trimethylbenzene		249	1.63E-02
1,2,4-Trimethylbenzene		737	4.82E-02
Chlorobenzene	<	5.3	3.47E-04
Benzyl chloride	<	30	1.96E-03
1,3-Dichlorobenzene	<	28	1.83E-03
1,4-Dichlorobenzene	<	6.9	4.51E-04
1,2-Dichlorobenzene	<	6.9	4.51E-04
1,2,4-Trichlorobenzene	<	43	2.81E-03
Hexachlorobutadiene	<	61	3.99E-03
Hexane		96	6.28E-03
Heptane		1010	6.61E-02
Cyclohexane		111	7.26E-03
Tetrahydrofuran		612	4.00E-02
1,4-Dioxane	<	41	2.68E-03
Naphthalene	<	30	1.96E-03
Xylene (Total)		2790	1.83E-01
1,1,1,2-Tetrachloroethane	<	7.9	5.17E-04
Vinyl Bromide	<	10	6.54E-04
Propene	<	40	2.62E-03
2,2,4-Trimethylpentane		46	3.01E-03
Carbon Disulfide	<	18	1.18E-03
Vinyl Acetate	<	8.1	5.30E-04
Volumetric Flow (WSCFH):	1045629		
			lb/hr
Max Detected Compound:	Ethanol		1.10E+00
Total Detected HAP:			1.83E+00

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C2-R2 SUMMA # 119		
Date	19-Nov-15		
Start	12:32		
Stop	13:32		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	13	7.60E-04
1,2-Dichlorotetrafluoroethane	<	15	8.76E-04
Chloromethane	<	8.1	4.73E-04
Vinyl Chloride	<	3.3	1.93E-04
Chloroethane	<	10	5.84E-04
1,3-Butadiene	<	14	8.18E-04
Trichlorofluoromethane (FREON 11)	<	15	8.76E-04
Ethanol (ethyl alcohol)		22700	1.33E+00
Trichlorotrifluoroethane	<	15	8.76E-04
2-propanol		2210	1.29E-01
2-Propanone		7820	4.57E-01
Methyl Ethyl Ketone (2-Butanone)		1060	6.19E-02
Methyl Isobutyl Ketone		159	9.29E-03
Methyl Butyl Ketone (2-Hexanone)	<	53	3.10E-03
Methyl t-butyl ether (MTBE)	<	9.4	5.49E-04
Ethyl Acetate		151	8.82E-03
1,1-Dichloroethylene	<	5.2	3.04E-04
cis-1,2-Dichloroethylene	<	5.2	3.04E-04
trans-1,2-Dichloroethylene	<	5.2	3.04E-04
Methylene Chloride(Dichloromethane)		235	1.37E-02
Chloroform		14.2	8.30E-04
Carbon Tetrachloride	<	8.2	4.79E-04
1,1-Dichloroethane	<	5.3	3.10E-04
1,2-Dichloroethane		6.3	3.68E-04
Ethylene Dibromide	<	10	5.84E-04
1,1,1-Trichloroethane		435	2.54E-02
1,1,2-Trichloroethane	<	7.1	4.15E-04
1,1,2,2-Tetrachloroethane	<	8.9	5.20E-04
cis-1,3-Dichloropropene	<	5.9	3.45E-04
trans-1,3-Dichloropropene	<	5.9	3.45E-04
1,2-Dichloropropane	<	6	3.51E-04
Bromomethane	<	5	2.92E-04
Bromoform	<	27	1.58E-03
Bromodichloromethane	<	17	9.93E-04
Dibromochloromethane	<	22	1.29E-03
Trichloroethylene	<	23	1.34E-03
Volumetric Flow (DSCFH)	908541		
Moisture (%)	2.72%		
Volumetric Flow (WSCFH)	**933931**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C2-R2 SUMMA # 119		
Date	19-Nov-15		
Start	12:32		
Stop	13:32		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		598	3.49E-02
Benzene		6.8	3.97E-04
Toluene		3300	1.93E-01
Ethylbenzene		555	3.24E-02
p+m-Xylene		2140	1.25E-01
o-Xylene		782	4.57E-02
Styrene		677	3.96E-02
4-ethyltoluene		223	1.30E-02
1,3,5-Trimethylbenzene		256	1.50E-02
1,2,4-Trimethylbenzene		758	4.43E-02
Chlorobenzene	<	6	3.51E-04
Benzyl chloride	<	34	1.99E-03
1,3-Dichlorobenzene	<	31	1.81E-03
1,4-Dichlorobenzene	<	7.8	4.56E-04
1,2-Dichlorobenzene	<	7.8	4.56E-04
1,2,4-Trichlorobenzene	<	48	2.80E-03
Hexachlorobutadiene	<	69	4.03E-03
Hexane		134	7.83E-03
Heptane		653	3.82E-02
Cyclohexane		88.2	5.15E-03
Tetrahydrofuran		800	4.67E-02
1,4-Dioxane	<	47	2.75E-03
Naphthalene	<	34	1.99E-03
Xylene (Total)		2930	1.71E-01
1,1,1,2-Tetrachloroethane	<	8.9	5.20E-04
Vinyl Bromide	<	11	6.43E-04
Propene	<	48	2.80E-03
2,2,4-Trimethylpentane		39	2.28E-03
Carbon Disulfide	<	20	1.17E-03
Vinyl Acetate	<	9.2	5.38E-04
Volumetric Flow (WSCFH):	933931		
			lb/hr
Max Detected Compound:	Ethanol		1.33E+00
Total Detected HAP:			2.03E+00

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C2-R3 Summa # T21679		
Date	19-Nov-15		
Start	14:39		
Stop	15:38		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	12	7.77E-04
1,2-Dichlorotetrafluoroethane	<	15	9.72E-04
Chloromethane	<	7.7	4.99E-04
Vinyl Chloride	<	3.2	2.07E-04
Chloroethane	<	9.9	6.41E-04
1,3-Butadiene	<	14	9.07E-04
Trichlorofluoromethane (FREON 11)	<	14	9.07E-04
Ethanol (ethyl alcohol)		18100	1.17E+00
Trichlorotrifluoroethane		15	9.72E-04
2-propanol		2230	1.44E-01
2-Propanone		7370	4.77E-01
Methyl Ethyl Ketone (2-Butanone)		1120	7.25E-02
Methyl Isobutyl Ketone		238	1.54E-02
Methyl Butyl Ketone (2-Hexanone)	<	51	3.30E-03
Methyl t-butyl ether (MTBE)	<	9	5.83E-04
Ethyl Acetate		130	8.42E-03
1,1-Dichloroethylene	<	5	3.24E-04
cis-1,2-Dichloroethylene	<	5	3.24E-04
trans-1,2-Dichloroethylene	<	5	3.24E-04
Methylene Chloride(Dichloromethane)		212	1.37E-02
Chloroform		8.9	5.76E-04
Carbon Tetrachloride	<	7.9	5.12E-04
1,1-Dichloroethane	<	5.1	3.30E-04
1,2-Dichloroethane	<	5.1	3.30E-04
Ethylene Dibromide	<	9.6	6.22E-04
1,1,1-Trichloroethane		78.6	5.09E-03
1,1,2-Trichloroethane	<	6.8	4.40E-04
1,1,2,2-Tetrachloroethane	<	8.6	5.57E-04
cis-1,3-Dichloropropene	<	5.7	3.69E-04
trans-1,3-Dichloropropene	<	5.7	3.69E-04
1,2-Dichloropropane	<	5.8	3.76E-04
Bromomethane	<	4.9	3.17E-04
Bromoform	<	26	1.68E-03
Bromodichloromethane	<	17	1.10E-03
Dibromochloromethane	<	21	1.36E-03
Trichloroethylene		102	6.61E-03
Volumetric Flow (DSCFH)	1012937		
Moisture (%)	2.16%		
Volumetric Flow (WSCFH)	**1035336**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C2-R3 Summa # T21679		
Date	19-Nov-15		
Start	14:39		
Stop	15:38		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		817	5.29E-02
Benzene		9.9	6.41E-04
Toluene		3790	2.45E-01
Ethylbenzene		521	3.37E-02
p+m-Xylene		1990	1.29E-01
o-Xylene		647	4.19E-02
Styrene		583	3.78E-02
4-ethyltoluene		194	1.26E-02
1,3,5-Trimethylbenzene		223	1.44E-02
1,2,4-Trimethylbenzene		668	4.33E-02
Chlorobenzene	<	5.8	3.76E-04
Benzyl chloride	<	32	2.07E-03
1,3-Dichlorobenzene		34	2.20E-03
1,4-Dichlorobenzene		41.9	2.71E-03
1,2-Dichlorobenzene		89.0	5.76E-03
1,2,4-Trichlorobenzene	<	46	2.98E-03
Hexachlorobutadiene	<	67	4.34E-03
Hexane		137	8.87E-03
Heptane		460	2.98E-02
Cyclohexane		63.3	4.10E-03
Tetrahydrofuran		863	5.59E-02
1,4-Dioxane	<	45	2.91E-03
Naphthalene	<	33	2.14E-03
Total Xylenes		2640	1.71E-01
1,1,1,2-Tetrachloroethane	<	8.6	5.57E-04
Vinyl Bromide	<	11	7.12E-04
Propene	<	28	1.81E-03
2,2,4-Trimethylpentane		67	4.34E-03
Carbon Disulfide	<	19	1.23E-03
Vinyl Acetate	<	8.8	5.70E-04
Volumetric Flow (WSCFH):	**1035336**		
			lb/hr
Max Detected Compound:	**Ethanol**		**1.17E+00**
Total Detected HAP:			**2.81E+00**

C6. Municipal Feedstock – Cyclone 3

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C3-R1 SUMMA # 14940		
Date	19-Nov-15		
Start	9:51		
Stop	10:51		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		4.2	2.99E-04
1,2-Dichlorotetrafluoroethane	<	2.4	1.71E-04
Chloromethane	<	1.2	8.53E-05
Vinyl Chloride	<	0.51	3.63E-05
Chloroethane	<	1.6	1.14E-04
1,3-Butadiene	<	2.2	1.56E-04
Trichlorofluoromethane (FREON 11)		10.8	7.68E-04
Ethanol (ethyl alcohol)		3070	2.18E-01
Trichlorotrifluoroethane	<	2.3	1.64E-04
2-propanol		291	2.07E-02
2-Propanone		1930	1.37E-01
Methyl Ethyl Ketone (2-Butanone)		401	2.85E-02
Methyl Isobutyl Ketone		62.0	4.41E-03
Methyl Butyl Ketone (2-Hexanone)	<	8.2	5.83E-04
Methyl t-butyl ether (MTBE)	<	1.4	9.96E-05
Ethyl Acetate		67.6	4.81E-03
1,1-Dichloroethylene	<	0.79	5.62E-05
cis-1,2-Dichloroethylene	<	0.79	5.62E-05
trans-1,2-Dichloroethylene		0.86	6.12E-05
Methylene Chloride(Dichloromethane)		138	9.81E-03
Chloroform	<	0.98	6.97E-05
Carbon Tetrachloride	<	1.3	9.24E-05
1,1-Dichloroethane	<	0.81	5.76E-05
1,2-Dichloroethane		1.74	1.24E-04
Ethylene Dibromide	<	1.5	1.07E-04
1,1,1-Trichloroethane		19.6	1.39E-03
1,1,2-Trichloroethane	<	1.1	7.82E-05
1,1,2,2-Tetrachloroethane	<	1.4	9.96E-05
cis-1,3-Dichloropropene	<	0.91	6.47E-05
trans-1,3-Dichloropropene	<	0.91	6.47E-05
1,2-Dichloropropane	<	0.92	6.54E-05
Bromomethane	<	0.78	5.55E-05
Bromoform	<	4.1	2.92E-04
Bromodichloromethane	<	2.7	1.92E-04
Dibromochloromethane	<	3.4	2.42E-04
Trichloroethylene		39.9	2.84E-03
Volumetric Flow (DSCFH)	1120348		
Moisture (%)	1.44%		
Volumetric Flow (WSCFH)	**1136725**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C3-R1 SUMMA # 14940		
Date	19-Nov-15		
Start	9:51		
Stop	10:51		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		222	1.58E-02
Benzene		4.90	3.48E-04
Toluene		947	6.73E-02
Ethylbenzene		276	1.96E-02
p+m-Xylene		1060	7.54E-02
o-Xylene		373	2.65E-02
Styrene		547	3.89E-02
4-ethyltoluene		125	8.89E-03
1,3,5-Trimethylbenzene		139	9.88E-03
1,2,4-Trimethylbenzene		462	3.29E-02
Chlorobenzene	<	0.92	6.54E-05
Benzyl chloride	<	5.2	3.70E-04
1,3-Dichlorobenzene	<	4.8	3.41E-04
1,4-Dichlorobenzene		5.1	3.63E-04
1,2-Dichlorobenzene	<	1.2	8.53E-05
1,2,4-Trichlorobenzene	<	7.4	5.26E-04
Hexachlorobutadiene	<	11	7.82E-04
Hexane		34.7	2.47E-03
Heptane		139	9.88E-03
Cyclohexane		36.8	2.62E-03
Tetrahydrofuran		266	1.89E-02
1,4-Dioxane	<	7.2	5.12E-04
Naphthalene		54.6	3.88E-03
Xylene (Total)		1440	1.02E-01
1,1,1,2-Tetrachloroethane	<	1.4	9.96E-05
Vinyl Bromide	<	1.8	1.28E-04
Propene	<	19	1.35E-03
2,2,4-Trimethylpentane		25.1	1.78E-03
Carbon Disulfide	<	3.1	2.20E-04
Vinyl Acetate	<	1.4	9.96E-05
Volumetric Flow (WSCFH):	1136725		
			lb/hr
Max Detected Compound:	Ethanol		2.18E-01
Total Detected HAP:			8.67E-01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C3-R2 SUMMA # 284		
Date	19-Nov-15		
Start	12:32		
Stop	13:32		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		5.4	3.27E-04
1,2-Dichlorotetrafluoroethane	<	5.5	3.33E-04
Chloromethane	<	2.9	1.76E-04
Vinyl Chloride	<	1.2	7.28E-05
Chloroethane	<	3.6	2.18E-04
1,3-Butadiene	<	5.1	3.09E-04
Trichlorofluoromethane (FREON 11)		10.4	6.31E-04
Ethanol (ethyl alcohol)		9010	5.46E-01
Trichlorotrifluoroethane	<	5.3	3.21E-04
2-propanol		1010	6.12E-02
2-Propanone		3140	1.90E-01
Methyl Ethyl Ketone (2-Butanone)		583	3.53E-02
Methyl Isobutyl Ketone		76	4.61E-03
Methyl Butyl Ketone (2-Hexanone)	<	19	1.15E-03
Methyl t-butyl ether (MTBE)	<	3.3	2.00E-04
Ethyl Acetate		78	4.73E-03
1,1-Dichloroethylene	<	1.8	1.09E-04
cis-1,2-Dichloroethylene	<	1.8	1.09E-04
trans-1,2-Dichloroethylene		2.5	1.52E-04
Methylene Chloride(Dichloromethane)		68	4.12E-03
Chloroform	<	2.2	1.33E-04
Carbon Tetrachloride	<	2.9	1.76E-04
1,1-Dichloroethane	<	1.9	1.15E-04
1,2-Dichloroethane		3.6	2.18E-04
Ethylene Dibromide	<	3.5	2.12E-04
1,1,1-Trichloroethane		213	1.29E-02
1,1,2-Trichloroethane	<	2.5	1.52E-04
1,1,2,2-Tetrachloroethane	<	3.2	1.94E-04
cis-1,3-Dichloropropene	<	2.1	1.27E-04
trans-1,3-Dichloropropene	<	2.1	1.27E-04
1,2-Dichloropropane	<	2.1	1.27E-04
Bromomethane	<	1.8	1.09E-04
Bromoform	<	9.5	5.76E-04
Bromodichloromethane	<	6.2	3.76E-04
Dibromochloromethane	<	7.8	4.73E-04
Trichloroethylene		12.3	7.46E-04
Volumetric Flow (DSCFH)	947868		
Moisture (%)	2.19%		
Volumetric Flow (WSCFH)	**969091**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C3-R2 SUMMA # 284		
Date	19-Nov-15		
Start	12:32		
Stop	13:32		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		363	2.20E-02
Benzene		4.0	2.43E-04
Toluene		1390	8.43E-02
Ethylbenzene		327	1.98E-02
p+m-Xylene		1310	7.94E-02
o-Xylene		518	3.14E-02
Styrene		566	3.43E-02
4-ethyltoluene		168	1.02E-02
1,3,5-Trimethylbenzene		181	1.10E-02
1,2,4-Trimethylbenzene		590	3.58E-02
Chlorobenzene	<	2.1	1.27E-04
Benzyl chloride	<	12	7.28E-04
1,3-Dichlorobenzene	<	11	6.67E-04
1,4-Dichlorobenzene		6.4	3.88E-04
1,2-Dichlorobenzene	<	2.8	1.70E-04
1,2,4-Trichlorobenzene	<	17	1.03E-03
Hexachlorobutadiene	<	25	1.52E-03
Hexane		58.1	3.52E-03
Heptane		173	1.05E-02
Cyclohexane		45.8	2.78E-03
Tetrahydrofuran		504	3.06E-02
1,4-Dioxane	<	17	1.03E-03
Naphthalene		113	6.85E-03
Xylene (Total)		1830	1.11E-01
1,1,1,2-Tetrachloroethane	<	3.2	1.94E-04
Vinyl Bromide	<	4	2.43E-04
Propene	<	24	1.46E-03
2,2,4-Trimethylpentane		21.4	1.30E-03
Carbon Disulfide	<	7.2	4.37E-04
Vinyl Acetate	<	3.2	1.94E-04
Volumetric Flow (WSCFH):	969091		
			lb/hr
Max Detected Compound:	Ethanol		5.46E-01
Total Detected HAP:			1.36E+00

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Muni-C3-R3 Summa # 309		
Date	19-Nov-15		
Start	14:38		
Stop	15:38		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	5.9	3.93E-04
1,2-Dichlorotetrafluoroethane	<	7.1	4.73E-04
Chloromethane	<	3.7	2.47E-04
Vinyl Chloride	<	1.5	9.99E-05
Chloroethane	<	4.7	3.13E-04
1,3-Butadiene	<	6.6	4.40E-04
Trichlorofluoromethane (FREON 11)		9.0	6.00E-04
Ethanol (ethyl alcohol)		7740	5.16E-01
Trichlorotrifluoroethane		8.4	5.60E-04
2-propanol		1410	9.39E-02
2-Propanone		2660	1.77E-01
Methyl Ethyl Ketone (2-Butanone)		545	3.63E-02
Methyl Isobutyl Ketone		127	8.46E-03
Methyl Butyl Ketone (2-Hexanone)	<	25	1.67E-03
Methyl t-butyl ether (MTBE)	<	4.3	2.86E-04
Ethyl Acetate		67	4.46E-03
1,1-Dichloroethylene	<	2.4	1.60E-04
cis-1,2-Dichloroethylene	<	2.4	1.60E-04
trans-1,2-Dichloroethylene	<	2.4	1.60E-04
Methylene Chloride(Dichloromethane)		68	4.53E-03
Chloroform	<	2.9	1.93E-04
Carbon Tetrachloride	<	3.8	2.53E-04
1,1-Dichloroethane	<	2.4	1.60E-04
1,2-Dichloroethane	<	2.4	1.60E-04
Ethylene Dibromide	<	4.6	3.06E-04
1,1,1-Trichloroethane		46.4	3.09E-03
1,1,2-Trichloroethane	<	3.3	2.20E-04
1,1,2,2-Tetrachloroethane	<	4.1	2.73E-04
cis-1,3-Dichloropropene	<	2.7	1.80E-04
trans-1,3-Dichloropropene	<	2.7	1.80E-04
1,2-Dichloropropane	<	2.8	1.87E-04
Bromomethane	<	2.3	1.53E-04
Bromoform	<	12	7.99E-04
Bromodichloromethane	<	8	5.33E-04
Dibromochloromethane	<	10	6.66E-04
Trichloroethylene		61.7	4.11E-03
Volumetric Flow (DSCFH)	1048346		
Moisture (%)	1.56%		
Volumetric Flow (WSCFH)	**1064994**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Muni-C3-R3 Summa # 309		
Date	19-Nov-15		
Start	14:38		
Stop	15:38		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		443	2.95E-02
Benzene		4.2	2.80E-04
Toluene		2000	1.33E-01
Ethylbenzene		325	2.17E-02
p+m-Xylene		1290	8.59E-02
o-Xylene		429	2.86E-02
Styrene		423	2.82E-02
4-ethyltoluene		143	9.53E-03
1,3,5-Trimethylbenzene		160	1.07E-02
1,2,4-Trimethylbenzene		543	3.62E-02
Chlorobenzene	<	2.8	1.87E-04
Benzyl chloride	<	16	1.07E-03
1,3-Dichlorobenzene		24	1.60E-03
1,4-Dichlorobenzene		37.4	2.49E-03
1,2-Dichlorobenzene		84.4	5.62E-03
1,2,4-Trichlorobenzene	<	22	1.47E-03
Hexachlorobutadiene	<	32	2.13E-03
Hexane		77.2	5.14E-03
Heptane		120	7.99E-03
Cyclohexane		34.9	2.33E-03
Tetrahydrofuran		452	3.01E-02
1,4-Dioxane	<	22	1.47E-03
Naphthalene		99	6.60E-03
Total Xylenes		1720	1.15E-01
1,1,1,2-Tetrachloroethane	<	4.1	2.73E-04
Vinyl Bromide	<	5.2	3.46E-04
Propene	<	17	1.13E-03
2,2,4-Trimethylpentane		28.7	1.91E-03
Carbon Disulfide	<	9.3	6.20E-04
Vinyl Acetate	<	4.2	2.80E-04
Volumetric Flow (WSCFH):	**1064994**		
			lb/hr
Max Detected Compound:	**Ethanol**		**5.16E-01**
Total Detected HAP:			**1.41E+00**

C7. Blended Feedstock – Scrubber/Cyclone 1

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C1-R1 SUMMA # 314		
Date	20-Nov-15		
Start	8:09		
Stop	9:09		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	22	3.07E-03
1,2-Dichlorotetrafluoroethane	<	26	3.63E-03
Chloromethane	<	14	1.96E-03
Vinyl Chloride	<	5.6	7.82E-04
Chloroethane	<	17	2.37E-03
1,3-Butadiene	<	24	3.35E-03
Trichlorofluoromethane (FREON 11)		58	8.10E-03
Ethanol (ethyl alcohol)		52400	7.32E+00
Trichlorotrifluoroethane	<	25	3.49E-03
2-propanol		8810	1.23E+00
2-Propanone		12800	1.79E+00
Methyl Ethyl Ketone (2-Butanone)		1040	1.45E-01
Methyl Isobutyl Ketone		155	2.16E-02
Methyl Butyl Ketone (2-Hexanone)	<	90	1.26E-02
Methyl t-butyl ether (MTBE)	<	16	2.23E-03
Ethyl Acetate		120	1.68E-02
1,1-Dichloroethylene	<	8.7	1.21E-03
cis-1,2-Dichloroethylene	<	8.7	1.21E-03
trans-1,2-Dichloroethylene	<	8.7	1.21E-03
Methylene Chloride(Dichloromethane)	<	220	3.07E-02
Chloroform		29	4.05E-03
Carbon Tetrachloride	<	14	1.96E-03
1,1-Dichloroethane	<	8.9	1.24E-03
1,2-Dichloroethane	<	8.9	1.24E-03
Ethylene Dibromide	<	17	2.37E-03
1,1,1-Trichloroethane	<	12	1.68E-03
1,1,2-Trichloroethane	<	12	1.68E-03
1,1,2,2-Tetrachloroethane	<	15	2.09E-03
cis-1,3-Dichloropropene	<	10	1.40E-03
trans-1,3-Dichloropropene	<	10	1.40E-03
1,2-Dichloropropane	<	10	1.40E-03
Bromomethane	<	8.5	1.19E-03
Bromoform	<	45	6.28E-03
Bromodichloromethane	<	29	4.05E-03
Dibromochloromethane	<	37	5.17E-03
Trichloroethylene	<	13.0	1.82E-03
Volumetric Flow (DSCFH)	2167466		
Moisture (%)	2.90%		
Volumetric Flow (WSCFH)	**2232292**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C1-R1 SUMMA # 314		
Date	20-Nov-15		
Start	8:09		
Stop	9:09		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		102	1.42E-02
Benzene		509	7.11E-02
Toluene		2270	3.17E-01
Ethylbenzene		348	4.86E-02
p+m-Xylene		1110	1.55E-01
o-Xylene		413	5.77E-02
Styrene		141	1.97E-02
4-ethyltoluene		117	1.63E-02
1,3,5-Trimethylbenzene		121	1.69E-02
1,2,4-Trimethylbenzene		385	5.38E-02
Chlorobenzene	<	10	1.40E-03
Benzyl chloride	<	57	7.96E-03
1,3-Dichlorobenzene	<	53	7.40E-03
1,4-Dichlorobenzene	<	13	1.82E-03
1,2-Dichlorobenzene		15	2.09E-03
1,2,4-Trichlorobenzene	<	82	1.15E-02
Hexachlorobutadiene	<	120	1.68E-02
Hexane		1510	2.11E-01
Heptane		509	7.11E-02
Cyclohexane		421	5.88E-02
Tetrahydrofuran		1160	1.62E-01
1,4-Dioxane	<	79	1.10E-02
Naphthalene	<	58	8.10E-03
Xylene (Total)		1520	2.12E-01
1,1,1,2-Tetrachloroethane	<	15	2.09E-03
Vinyl Bromide	<	19	2.65E-03
Propene		176	2.46E-02
2,2,4-Trimethylpentane		646	9.02E-02
Carbon Disulfide	<	34	4.75E-03
Vinyl Acetate	<	15	2.09E-03
Volumetric Flow (WSCFH):	2232292		
			lb/hr
Max Detected Compound:	Ethanol		7.32E+00
Total Detected HAP:			1.21E+01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C1-R2 SUMMA # 14270		
Date	20-Nov-15		
Start	10:16		
Stop	11:21		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		27.2	3.78E-03
1,2-Dichlorotetrafluoroethane	<	12	1.67E-03
Chloromethane	<	6.2	8.62E-04
Vinyl Chloride	<	2.6	3.61E-04
Chloroethane	<	7.9	1.10E-03
1,3-Butadiene	<	11	1.53E-03
Trichlorofluoromethane (FREON 11)		30	4.17E-03
Ethanol (ethyl alcohol)		22100	3.07E+00
Trichlorotrifluoroethane	<	12	1.67E-03
2-propanol		4080	5.67E-01
2-Propanone		8580	1.19E+00
Methyl Ethyl Ketone (2-Butanone)		954	1.33E-01
Methyl Isobutyl Ketone	<	41	5.70E-03
Methyl Butyl Ketone (2-Hexanone)	<	41	5.70E-03
Methyl t-butyl ether (MTBE)	<	7.2	1.00E-03
Ethyl Acetate	<	36	5.00E-03
1,1-Dichloroethylene	<	4	5.56E-04
cis-1,2-Dichloroethylene	<	4	5.56E-04
trans-1,2-Dichloroethylene	<	4	5.56E-04
Methylene Chloride(Dichloromethane)	<	28	3.89E-03
Chloroform	<	4.9	6.81E-04
Carbon Tetrachloride	<	6.3	8.75E-04
1,1-Dichloroethane	<	4	5.56E-04
1,2-Dichloroethane	<	4	5.56E-04
Ethylene Dibromide	<	7.7	1.07E-03
1,1,1-Trichloroethane	<	5.5	7.64E-04
1,1,2-Trichloroethane	<	5.5	7.64E-04
1,1,2,2-Tetrachloroethane	<	6.9	9.59E-04
cis-1,3-Dichloropropene	<	4.5	6.25E-04
trans-1,3-Dichloropropene	<	4.5	6.25E-04
1,2-Dichloropropane	<	4.6	6.39E-04
Bromomethane	<	3.9	5.42E-04
Bromoform	<	21	2.92E-03
Bromodichloromethane	<	13	1.81E-03
Dibromochloromethane	<	17	2.36E-03
Trichloroethylene	<	5.4	7.50E-04
Volumetric Flow (DSCFH)	2158777		
Moisture (%)	2.82%		
Volumetric Flow (WSCFH)	**2221336**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C1-R2 SUMMA # 14270		
Date	20-Nov-15		
Start	10:16		
Stop	11:21		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		28.1	3.90E-03
Benzene		333	4.63E-02
Toluene		1820	2.53E-01
Ethylbenzene		295	4.10E-02
p+m-Xylene		892	1.24E-01
o-Xylene		320	4.45E-02
Styrene		113	1.57E-02
4-ethyltoluene		94	1.31E-02
1,3,5-Trimethylbenzene		100	1.39E-02
1,2,4-Trimethylbenzene		317	4.41E-02
Chlorobenzene	<	4.6	6.39E-04
Benzyl chloride	<	26	3.61E-03
1,3-Dichlorobenzene	<	24	3.34E-03
1,4-Dichlorobenzene	<	6	8.34E-04
1,2-Dichlorobenzene	<	6	8.34E-04
1,2,4-Trichlorobenzene	<	37	5.14E-03
Hexachlorobutadiene	<	53	7.37E-03
Hexane		924	1.28E-01
Heptane		406	5.64E-02
Cyclohexane		409	5.68E-02
Tetrahydrofuran		318	4.42E-02
1,4-Dioxane	<	36	5.00E-03
Naphthalene		37	5.14E-03
Xylene (Total)		1210	1.68E-01
1,1,1,2-Tetrachloroethane	<	6.9	9.59E-04
Vinyl Bromide	<	8.7	1.21E-03
Propene		93.3	1.30E-02
2,2,4-Trimethylpentane		530	7.37E-02
Carbon Disulfide	<	16	2.22E-03
Vinyl Acetate	<	110	1.53E-02
Volumetric Flow (WSCFH):	2221336		
			lb/hr
Max Detected Compound:	Ethanol		3.07E+00
Total Detected HAP:			6.12E+00

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C1-R3 Summa # 14908		
Date	20-Nov-15		
Start	12:16		
Stop	13:16		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		10.2	1.41E-03
1,2-Dichlorotetrafluoroethane	<	12	1.66E-03
Chloromethane	<	6.2	8.56E-04
Vinyl Chloride	<	2.6	3.59E-04
Chloroethane	<	7.9	1.09E-03
1,3-Butadiene	<	11	1.52E-03
Trichlorofluoromethane (FREON 11)		73	1.01E-02
Ethanol (ethyl alcohol)		20600	2.84E+00
Trichlorotrifluoroethane	<	12	1.66E-03
2-propanol		1970	2.72E-01
2-Propanone		4020	5.55E-01
Methyl Ethyl Ketone (2-Butanone)		1030	1.42E-01
Methyl Isobutyl Ketone		43	5.94E-03
Methyl Butyl Ketone (2-Hexanone)	<	41	5.66E-03
Methyl t-butyl ether (MTBE)		10.7	1.48E-03
Ethyl Acetate		60	8.29E-03
1,1-Dichloroethylene	<	4	5.52E-04
cis-1,2-Dichloroethylene	<	4	5.52E-04
trans-1,2-Dichloroethylene	<	4	5.52E-04
Methylene Chloride(Dichloromethane)	<	28	3.87E-03
Chloroform	<	4.9	6.77E-04
Carbon Tetrachloride	<	6.3	8.70E-04
1,1-Dichloroethane	<	4	5.52E-04
1,2-Dichloroethane	<	4	5.52E-04
Ethylene Dibromide	<	7.7	1.06E-03
1,1,1-Trichloroethane	<	5.5	7.59E-04
1,1,2-Trichloroethane	<	5.5	7.59E-04
1,1,2,2-Tetrachloroethane	<	6.9	9.53E-04
cis-1,3-Dichloropropene	<	4.5	6.21E-04
trans-1,3-Dichloropropene	<	4.5	6.21E-04
1,2-Dichloropropane	<	4.6	6.35E-04
Bromomethane	<	3.9	5.39E-04
Bromoform	<	21	2.90E-03
Bromodichloromethane	<	13	1.80E-03
Dibromochloromethane	<	17	2.35E-03
Trichloroethylene	<	5.4	7.46E-04
Volumetric Flow (DSCFH)	2133763		
Moisture (%)	3.33%		
Volumetric Flow (WSCFH)	**2207300**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C1-R3 Summa # 14908		
Date	20-Nov-15		
Start	12:16		
Stop	13:16		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		16.4	2.26E-03
Benzene		435	6.01E-02
Toluene		1930	2.67E-01
Ethylbenzene		369	5.10E-02
p+m-Xylene		1190	1.64E-01
o-Xylene		429	5.92E-02
Styrene		98.2	1.36E-02
4-ethyltoluene		109	1.51E-02
1,3,5-Trimethylbenzene		109	1.51E-02
1,2,4-Trimethylbenzene		359	4.96E-02
Chlorobenzene	<	4.6	6.35E-04
Benzyl chloride	<	26	3.59E-03
1,3-Dichlorobenzene	<	24	3.31E-03
1,4-Dichlorobenzene	<	6	8.29E-04
1,2-Dichlorobenzene	<	6	8.29E-04
1,2,4-Trichlorobenzene	<	37	5.11E-03
Hexachlorobutadiene	<	53	7.32E-03
Hexane		1290	1.78E-01
Heptane		540	7.46E-02
Cyclohexane		471	6.50E-02
Tetrahydrofuran		135	1.86E-02
1,4-Dioxane	<	36	4.97E-03
Naphthalene		28	3.87E-03
Total Xylenes		1620	2.24E-01
1,1,1,2-Tetrachloroethane	<	6.9	9.53E-04
Vinyl Bromide	<	8.7	1.20E-03
Propene		118	1.63E-02
2,2,4-Trimethylpentane		846	1.17E-01
Carbon Disulfide	<	16	2.21E-03
Vinyl Acetate	<	170	2.35E-02
Volumetric Flow (WSCFH):	2207300		
			lb/hr
Max Detected Compound:	Ethanol		2.84E+00
Total Detected HAP:			5.23E+00

C8. Blended Feedstock – Cyclone 2

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C2-R1 SUMMA # 2758		
Date	20-Nov-15		
Start	8:09		
Stop	9:09		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		3.4	2.29E-04
1,2-Dichlorotetrafluoroethane	<	3	2.02E-04
Chloromethane	<	1.5	1.01E-04
Vinyl Chloride	<	0.64	4.31E-05
Chloroethane	<	2	1.35E-04
1,3-Butadiene	<	2.8	1.89E-04
Trichlorofluoromethane (FREON 11)		4.2	2.83E-04
Ethanol (ethyl alcohol)		8910	6.00E-01
Trichlorotrifluoroethane	<	2.9	1.95E-04
2-propanol		530	3.57E-02
2-Propanone		471	3.17E-02
Methyl Ethyl Ketone (2-Butanone)		90.5	6.10E-03
Methyl Isobutyl Ketone		11	7.41E-04
Methyl Butyl Ketone (2-Hexanone)	<	10	6.74E-04
Methyl t-butyl ether (MTBE)	<	1.8	1.21E-04
Ethyl Acetate	<	9	6.06E-04
1,1-Dichloroethylene	<	0.99	6.67E-05
cis-1,2-Dichloroethylene	<	0.99	6.67E-05
trans-1,2-Dichloroethylene	<	0.99	6.67E-05
Methylene Chloride(Dichloromethane)	<	6.9	4.65E-04
Chloroform	<	1.2	8.08E-05
Carbon Tetrachloride	<	1.6	1.08E-04
1,1-Dichloroethane	<	1	6.74E-05
1,2-Dichloroethane	<	1	6.74E-05
Ethylene Dibromide	<	1.9	1.28E-04
1,1,1-Trichloroethane		1.7	1.14E-04
1,1,2-Trichloroethane	<	1.4	9.43E-05
1,1,2,2-Tetrachloroethane	<	1.7	1.14E-04
cis-1,3-Dichloropropene	<	1.1	7.41E-05
trans-1,3-Dichloropropene	<	1.1	7.41E-05
1,2-Dichloropropane	<	1.2	8.08E-05
Bromomethane	<	0.97	6.53E-05
Bromoform	<	5.2	3.50E-04
Bromodichloromethane	<	3.4	2.29E-04
Dibromochloromethane	<	4.3	2.90E-04
Trichloroethylene	<	1.3	8.76E-05
Volumetric Flow (DSCFH)	1055704		
Moisture (%)	1.94%		
Volumetric Flow (WSCFH)	**1076631**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C2-R1 SUMMA # 2758		
Date	20-Nov-15		
Start	8:09		
Stop	9:09		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		11.5	7.75E-04
Benzene		39.4	2.65E-03
Toluene		1410	9.50E-02
Ethylbenzene		32.6	2.20E-03
p+m-Xylene		123	8.28E-03
o-Xylene		45.9	3.09E-03
Styrene		28.7	1.93E-03
4-ethyltoluene		17.0	1.14E-03
1,3,5-Trimethylbenzene		22.8	1.54E-03
1,2,4-Trimethylbenzene		76.5	5.15E-03
Chlorobenzene	<	1.2	8.08E-05
Benzyl chloride	<	6.5	4.38E-04
1,3-Dichlorobenzene	<	6	4.04E-04
1,4-Dichlorobenzene		2.5	1.68E-04
1,2-Dichlorobenzene		4.1	2.76E-04
1,2,4-Trichlorobenzene	<	9.3	6.26E-04
Hexachlorobutadiene	<	13	8.76E-04
Hexane		55.7	3.75E-03
Heptane		877	5.91E-02
Cyclohexane		37.7	2.54E-03
Tetrahydrofuran		22.0	1.48E-03
1,4-Dioxane	<	9	6.06E-04
Naphthalene		64.5	4.34E-03
Xylene (Total)		169	1.14E-02
1,1,1,2-Tetrachloroethane	<	1.7	1.14E-04
Vinyl Bromide	<	2.2	1.48E-04
Propene		6.1	4.11E-04
2,2,4-Trimethylpentane		26.8	1.81E-03
Carbon Disulfide	<	3.9	2.63E-04
Vinyl Acetate		6.0	4.04E-04
Volumetric Flow (WSCFH):	1076631		
			lb/hr
Max Detected Compound:	Ethanol		6.00E-01
Total Detected HAP:			8.82E-01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C2-R2 SUMMA # 269		
Date	20-Nov-15		
Start	10:16		
Stop	11:21		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)	<	9.6	6.21E-04
1,2-Dichlorotetrafluoroethane	<	12	7.76E-04
Chloromethane	<	6	3.88E-04
Vinyl Chloride	<	2.5	1.62E-04
Chloroethane	<	7.7	4.98E-04
1,3-Butadiene	<	11	7.12E-04
Trichlorofluoromethane (FREON 11)	<	11	7.12E-04
Ethanol (ethyl alcohol)		1710	1.11E-01
Trichlorotrifluoroethane	<	11	7.12E-04
2-propanol		28	1.81E-03
2-Propanone		215	1.39E-02
Methyl Ethyl Ketone (2-Butanone)		30	1.94E-03
Methyl Isobutyl Ketone	<	40	2.59E-03
Methyl Butyl Ketone (2-Hexanone)	<	40	2.59E-03
Methyl t-butyl ether (MTBE)	<	7	4.53E-04
Ethyl Acetate	<	35	2.26E-03
1,1-Dichloroethylene	<	3.8	2.46E-04
cis-1,2-Dichloroethylene	<	3.8	2.46E-04
trans-1,2-Dichloroethylene	<	3.8	2.46E-04
Methylene Chloride(Dichloromethane)	<	27	1.75E-03
Chloroform	<	4.7	3.04E-04
Carbon Tetrachloride	<	6.1	3.95E-04
1,1-Dichloroethane	<	3.9	2.52E-04
1,2-Dichloroethane	<	3.9	2.52E-04
Ethylene Dibromide	<	7.5	4.85E-04
1,1,1-Trichloroethane	<	5.3	3.43E-04
1,1,2-Trichloroethane	<	5.3	3.43E-04
1,1,2,2-Tetrachloroethane	<	6.7	4.34E-04
cis-1,3-Dichloropropene	<	4.4	2.85E-04
trans-1,3-Dichloropropene	<	4.4	2.85E-04
1,2-Dichloropropane	<	4.5	2.91E-04
Bromomethane	<	3.8	2.46E-04
Bromoform	<	20	1.29E-03
Bromodichloromethane	<	13	8.41E-04
Dibromochloromethane	<	17	1.10E-03
Trichloroethylene	<	5.2	3.36E-04
Volumetric Flow (DSCFH)	1022394		
Moisture (%)	1.15%		
Volumetric Flow (WSCFH)	**1034279**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C2-R2 SUMMA # 269		
Date	20-Nov-15		
Start	10:16		
Stop	11:21		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		11.2	7.25E-04
Benzene		15.8	1.02E-03
Toluene		2380	1.54E-01
Ethylbenzene		17.5	1.13E-03
p+m-Xylene		69.4	4.49E-03
o-Xylene		24.6	1.59E-03
Styrene		22.2	1.44E-03
4-ethyltoluene	<	24	1.55E-03
1,3,5-Trimethylbenzene	<	24	1.55E-03
1,2,4-Trimethylbenzene		47	3.04E-03
Chlorobenzene	<	4.5	2.91E-04
Benzyl chloride	<	25	1.62E-03
1,3-Dichlorobenzene	<	23	1.49E-03
1,4-Dichlorobenzene	<	5.8	3.75E-04
1,2-Dichlorobenzene	<	5.8	3.75E-04
1,2,4-Trichlorobenzene	<	36	2.33E-03
Hexachlorobutadiene	<	52	3.36E-03
Hexane		29	1.88E-03
Heptane		1030	6.66E-02
Cyclohexane		12.4	8.02E-04
Tetrahydrofuran	<	11	7.12E-04
1,4-Dioxane	<	35	2.26E-03
Naphthalene		28	1.81E-03
Xylene (Total)		94	6.08E-03
1,1,1,2-Tetrachloroethane	<	6.7	4.34E-04
Vinyl Bromide	<	8.5	5.50E-04
Propene	<	8.3	5.37E-04
2,2,4-Trimethylpentane		17.3	1.12E-03
Carbon Disulfide	<	15	9.71E-04
Vinyl Acetate	<	6.8	4.40E-04
Volumetric Flow (WSCFH):	1034279		
			lb/hr
Max Detected Compound:	Toluene		1.54E-01
Total Detected HAP:			3.74E-01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C2-R3 Summa # 18281		
Date	20-Nov-15		
Start	12:16		
Stop	13:16		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		3.84	2.50E-04
1,2-Dichlorotetrafluoroethane	<	1.2	7.82E-05
Chloromethane		0.90	5.86E-05
Vinyl Chloride	<	0.26	1.69E-05
Chloroethane	<	0.79	5.15E-05
1,3-Butadiene	<	1.1	7.16E-05
Trichlorofluoromethane (FREON 11)		5.6	3.65E-04
Ethanol (ethyl alcohol)		964	6.28E-02
Trichlorotrifluoroethane	<	1.2	7.82E-05
2-propanol		9.4	6.12E-04
2-Propanone		40.1	2.61E-03
Methyl Ethyl Ketone (2-Butanone)		40.8	2.66E-03
Methyl Isobutyl Ketone	<	4.1	2.67E-04
Methyl Butyl Ketone (2-Hexanone)	<	4.1	2.67E-04
Methyl t-butyl ether (MTBE)		1.27	8.27E-05
Ethyl Acetate		6.4	4.17E-04
1,1-Dichloroethylene	<	0.4	2.61E-05
cis-1,2-Dichloroethylene	<	0.4	2.61E-05
trans-1,2-Dichloroethylene		1.01	6.58E-05
Methylene Chloride(Dichloromethane)	<	2.8	1.82E-04
Chloroform	<	0.49	3.19E-05
Carbon Tetrachloride	<	0.63	4.10E-05
1,1-Dichloroethane	<	0.4	2.61E-05
1,2-Dichloroethane	<	0.4	2.61E-05
Ethylene Dibromide	<	0.77	5.02E-05
1,1,1-Trichloroethane	<	0.55	3.58E-05
1,1,2-Trichloroethane	<	0.55	3.58E-05
1,1,2,2-Tetrachloroethane	<	0.69	4.49E-05
cis-1,3-Dichloropropene	<	0.45	2.93E-05
trans-1,3-Dichloropropene	<	0.45	2.93E-05
1,2-Dichloropropane	<	0.46	3.00E-05
Bromomethane	<	0.39	2.54E-05
Bromoform	<	2.1	1.37E-04
Bromodichloromethane	<	1.3	8.47E-05
Dibromochloromethane	<	1.7	1.11E-04
Trichloroethylene	<	0.54	3.52E-05
Volumetric Flow (DSCFH)	1022762		
Moisture (%)	1.76%		
Volumetric Flow (WSCFH)	**1041102**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C2-R3 Summa # 18281		
Date	20-Nov-15		
Start	12:16		
Stop	13:16		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		2.49	1.62E-04
Benzene		35.3	2.30E-03
Toluene		533	3.47E-02
Ethylbenzene		33.1	2.16E-03
p+m-Xylene		117	7.62E-03
o-Xylene		43.5	2.83E-03
Styrene		9.39	6.12E-04
4-ethyltoluene		12.5	8.14E-04
1,3,5-Trimethylbenzene		14.1	9.18E-04
1,2,4-Trimethylbenzene		46.3	3.02E-03
Chlorobenzene	<	0.46	3.00E-05
Benzyl chloride	<	2.6	1.69E-04
1,3-Dichlorobenzene	<	2.4	1.56E-04
1,4-Dichlorobenzene		0.87	5.67E-05
1,2-Dichlorobenzene		1.20	7.82E-05
1,2,4-Trichlorobenzene	<	3.7	2.41E-04
Hexachlorobutadiene	<	5.3	3.45E-04
Hexane		60.1	3.91E-03
Heptane		247	1.61E-02
Cyclohexane		24.6	1.60E-03
Tetrahydrofuran		2.7	1.76E-04
1,4-Dioxane	<	3.6	2.34E-04
Naphthalene		16.4	1.07E-03
Total Xylenes		161	1.05E-02
1,1,1,2-Tetrachloroethane	<	0.69	4.49E-05
Vinyl Bromide	<	0.87	5.67E-05
Propene		2.71	1.77E-04
2,2,4-Trimethylpentane		40.0	2.61E-03
Carbon Disulfide	<	1.6	1.04E-04
Vinyl Acetate	<	8.5	5.54E-04
Volumetric Flow (WSCFH):	1041102		
			lb/hr
Max Detected Compound:	Ethanol		6.28E-02
Total Detected HAP:			1.61E-01

C9. Blended Feedstock – Cyclone 3

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C3-R1 SUMMA # 277		
Date	20-Nov-15		
Start	8:09		
Stop	9:09		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		2.9	1.95E-04
1,2-Dichlorotetrafluoroethane	<	2.7	1.82E-04
Chloromethane	<	1.4	9.42E-05
Vinyl Chloride	<	0.59	3.97E-05
Chloroethane	<	1.8	1.21E-04
1,3-Butadiene	<	2.5	1.68E-04
Trichlorofluoromethane (FREON 11)		4.3	2.89E-04
Ethanol (ethyl alcohol)		5420	3.65E-01
Trichlorotrifluoroethane	<	2.6	1.75E-04
2-propanol		284	1.91E-02
2-Propanone		233	1.57E-02
Methyl Ethyl Ketone (2-Butanone)		66.4	4.47E-03
Methyl Isobutyl Ketone	<	9.4	6.32E-04
Methyl Butyl Ketone (2-Hexanone)	<	9.4	6.32E-04
Methyl t-butyl ether (MTBE)	<	1.7	1.14E-04
Ethyl Acetate	<	8.3	5.58E-04
1,1-Dichloroethylene	<	0.91	6.12E-05
cis-1,2-Dichloroethylene	<	0.91	6.12E-05
trans-1,2-Dichloroethylene	<	0.91	6.12E-05
Methylene Chloride(Dichloromethane)	<	6.4	4.30E-04
Chloroform	<	1.1	7.40E-05
Carbon Tetrachloride	<	1.4	9.42E-05
1,1-Dichloroethane	<	0.93	6.26E-05
1,2-Dichloroethane	<	0.93	6.26E-05
Ethylene Dibromide	<	1.8	1.21E-04
1,1,1-Trichloroethane		7.3	4.91E-04
1,1,2-Trichloroethane	<	1.3	8.74E-05
1,1,2,2-Tetrachloroethane	<	1.6	1.08E-04
cis-1,3-Dichloropropene	<	1	6.73E-05
trans-1,3-Dichloropropene	<	1	6.73E-05
1,2-Dichloropropane	<	1.1	7.40E-05
Bromomethane	<	0.89	5.99E-05
Bromoform	<	4.8	3.23E-04
Bromodichloromethane	<	3.1	2.09E-04
Dibromochloromethane	<	3.9	2.62E-04
Trichloroethylene	<	1.2	8.07E-05
Volumetric Flow (DSCFH)	1051820		
Moisture (%)	2.18%		
Volumetric Flow (WSCFH)	**1075211**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C3-R1 SUMMA # 277		
Date	20-Nov-15		
Start	8:09		
Stop	9:09		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		4.0	2.69E-04
Benzene		29.0	1.95E-03
Toluene		135	9.08E-03
Ethylbenzene		20.2	1.36E-03
p+m-Xylene		73.1	4.92E-03
o-Xylene		28.3	1.90E-03
Styrene		8.24	5.54E-04
4-ethyltoluene		8.6	5.78E-04
1,3,5-Trimethylbenzene		12.1	8.14E-04
1,2,4-Trimethylbenzene		35.9	2.41E-03
Chlorobenzene	<	1.1	7.40E-05
Benzyl chloride	<	6	4.04E-04
1,3-Dichlorobenzene	<	5.5	3.70E-04
1,4-Dichlorobenzene	<	1.4	9.42E-05
1,2-Dichlorobenzene		1.6	1.08E-04
1,2,4-Trichlorobenzene	<	8.5	5.72E-04
Hexachlorobutadiene	<	12	8.07E-04
Hexane		42.9	2.89E-03
Heptane		19.9	1.34E-03
Cyclohexane	<	61	4.10E-03
Tetrahydrofuran		17.3	1.16E-03
1,4-Dioxane	<	8.3	5.58E-04
Naphthalene		19.1	1.28E-03
Xylene (Total)		101	6.79E-03
1,1,1,2-Tetrachloroethane	<	1.6	1.08E-04
Vinyl Bromide	<	2	1.35E-04
Propene		6.1	4.10E-04
2,2,4-Trimethylpentane		20.3	1.37E-03
Carbon Disulfide	<	3.6	2.42E-04
Vinyl Acetate	<	6.5	4.37E-04
Volumetric Flow (WSCFH):	1075211		
			lb/hr
Max Detected Compound:	Ethanol		3.65E-01
Total Detected HAP:			4.44E-01

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C3-R2 SUMMA # 7788		
Date	20-Nov-15		
Start	10:16		
Stop	11:21		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		2.7	1.78E-04
1,2-Dichlorotetrafluoroethane	<	2.9	1.91E-04
Chloromethane	<	1.5	9.90E-05
Vinyl Chloride	<	0.61	4.03E-05
Chloroethane	<	1.9	1.25E-04
1,3-Butadiene	<	2.7	1.78E-04
Trichlorofluoromethane (FREON 11)	<	2.7	1.78E-04
Ethanol (ethyl alcohol)		1020	6.73E-02
Trichlorotrifluoroethane	<	2.8	1.85E-04
2-propanol		14.5	9.57E-04
2-Propanone		46.2	3.05E-03
Methyl Ethyl Ketone (2-Butanone)		13.7	9.04E-04
Methyl Isobutyl Ketone	<	9.8	6.47E-04
Methyl Butyl Ketone (2-Hexanone)	<	9.8	6.47E-04
Methyl t-butyl ether (MTBE)	<	1.7	1.12E-04
Ethyl Acetate	<	8.6	5.68E-04
1,1-Dichloroethylene	<	0.95	6.27E-05
cis-1,2-Dichloroethylene	<	0.95	6.27E-05
trans-1,2-Dichloroethylene	<	0.95	6.27E-05
Methylene Chloride(Dichloromethane)	<	6.7	4.42E-04
Chloroform	<	1.2	7.92E-05
Carbon Tetrachloride	<	1.5	9.90E-05
1,1-Dichloroethane	<	0.97	6.40E-05
1,2-Dichloroethane	<	0.97	6.40E-05
Ethylene Dibromide	<	1.8	1.19E-04
1,1,1-Trichloroethane	<	1.3	8.58E-05
1,1,2-Trichloroethane	<	1.3	8.58E-05
1,1,2,2-Tetrachloroethane		2.2	1.45E-04
cis-1,3-Dichloropropene	<	1.1	7.26E-05
trans-1,3-Dichloropropene	<	1.1	7.26E-05
1,2-Dichloropropane	<	1.1	7.26E-05
Bromomethane	<	0.93	6.14E-05
Bromoform	<	5	3.30E-04
Bromodichloromethane	<	3.2	2.11E-04
Dibromochloromethane	<	4.1	2.71E-04
Trichloroethylene	<	1.3	8.58E-05
Volumetric Flow (DSCFH)	1044033		
Moisture (%)	1.02%		
Volumetric Flow (WSCFH)	**1054841**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C3-R2 SUMMA # 7788		
Date	20-Nov-15		
Start	10:16		
Stop	11:21		
Compounds		ug/M3	lb/hr
Tetrachloroethylene	<	1.6	1.06E-04
Benzene		13.7	9.04E-04
Toluene		88.7	5.85E-03
Ethylbenzene		13.4	8.84E-04
p+m-Xylene		44.4	2.93E-03
o-Xylene		16.0	1.06E-03
Styrene		5.4	3.56E-04
4-ethyltoluene	<	5.9	3.89E-04
1,3,5-Trimethylbenzene		7.1	4.69E-04
1,2,4-Trimethylbenzene		17.3	1.14E-03
Chlorobenzene	<	1.1	7.26E-05
Benzyl chloride	<	6.2	4.09E-04
1,3-Dichlorobenzene	<	5.8	3.83E-04
1,4-Dichlorobenzene		1.9	1.25E-04
1,2-Dichlorobenzene		2.5	1.65E-04
1,2,4-Trichlorobenzene	<	8.9	5.87E-04
Hexachlorobutadiene	<	13	8.58E-04
Hexane		24.0	1.58E-03
Heptane		12.6	8.31E-04
Cyclohexane		10.6	6.99E-04
Tetrahydrofuran		8.7	5.74E-04
1,4-Dioxane		15.7	1.04E-03
Naphthalene		10.8	7.13E-04
Xylene (Total)		60.5	3.99E-03
1,1,1,2-Tetrachloroethane	<	1.6	1.06E-04
Vinyl Bromide	<	2.1	1.39E-04
Propene		3.1	2.05E-04
2,2,4-Trimethylpentane		13.3	8.78E-04
Carbon Disulfide		21.2	1.40E-03
Vinyl Acetate	<	4.2	2.77E-04
Volumetric Flow (WSCFH):	1054841		
			lb/hr
Max Detected Compound:	Ethanol		6.73E-02
Total Detected HAP:			9.83E-02

HAP Emission Summary - wTe Recycling, Inc.			
Page 1 of 2	Blend-C3-R3 Summa # 7867		
Date	20-Nov-15		
Start	12:16		
Stop	13:16		
Compounds		ug/M3	lb/hr
Dichlorodifluoromethane (FREON 12)		3.2	2.09E-04
1,2-Dichlorotetrafluoroethane	<	2.9	1.90E-04
Chloromethane	<	1.5	9.82E-05
Vinyl Chloride	<	0.61	3.99E-05
Chloroethane	<	1.9	1.24E-04
1,3-Butadiene	<	2.7	1.77E-04
Trichlorofluoromethane (FREON 11)		4.1	2.68E-04
Ethanol (ethyl alcohol)		756	4.95E-02
Trichlorotrifluoroethane	<	2.8	1.83E-04
2-propanol	<	5.9	3.86E-04
2-Propanone		43.8	2.87E-03
Methyl Ethyl Ketone (2-Butanone)	<	7.1	4.65E-04
Methyl Isobutyl Ketone	<	9.8	6.41E-04
Methyl Butyl Ketone (2-Hexanone)	<	9.8	6.41E-04
Methyl t-butyl ether (MTBE)	<	1.7	1.11E-04
Ethyl Acetate	<	8.6	5.63E-04
1,1-Dichloroethylene	<	0.95	6.22E-05
cis-1,2-Dichloroethylene	<	0.95	6.22E-05
trans-1,2-Dichloroethylene	<	0.95	6.22E-05
Methylene Chloride(Dichloromethane)	<	6.7	4.38E-04
Chloroform	<	1.2	7.85E-05
Carbon Tetrachloride	<	1.5	9.82E-05
1,1-Dichloroethane	<	0.97	6.35E-05
1,2-Dichloroethane	<	0.97	6.35E-05
Ethylene Dibromide	<	1.8	1.18E-04
1,1,1-Trichloroethane	<	1.3	8.51E-05
1,1,2-Trichloroethane	<	1.3	8.51E-05
1,1,2,2-Tetrachloroethane	<	1.6	1.05E-04
cis-1,3-Dichloropropene	<	1.1	7.20E-05
trans-1,3-Dichloropropene	<	1.1	7.20E-05
1,2-Dichloropropane	<	1.1	7.20E-05
Bromomethane	<	0.93	6.09E-05
Bromoform	<	5	3.27E-04
Bromodichloromethane	<	3.2	2.09E-04
Dibromochloromethane	<	4.1	2.68E-04
Trichloroethylene	<	1.3	8.51E-05
Volumetric Flow (DSCFH)	1034681		
Moisture (%)	1.08%		
Volumetric Flow (WSCFH)	**1045965**		

HAP Emission Summary - wTe Recycling, Inc.			
Page 2 of 2	Blend-C3-R3 Summa # 7867		
Date	20-Nov-15		
Start	12:16		
Stop	13:16		
Compounds		ug/M3	lb/hr
Tetrachloroethylene		7867	5.15E-01
Benzene		20.3	1.33E-03
Toluene		109	7.13E-03
Ethylbenzene		20.6	1.35E-03
p+m-Xylene		72.8	4.76E-03
o-Xylene		27.4	1.79E-03
Styrene		3.6	2.36E-04
4-ethyltoluene		7.1	4.65E-04
1,3,5-Trimethylbenzene		8.2	5.37E-04
1,2,4-Trimethylbenzene		26.1	1.71E-03
Chlorobenzene	<	1.1	7.20E-05
Benzyl chloride	<	6.2	4.06E-04
1,3-Dichlorobenzene	<	5.8	3.80E-04
1,4-Dichlorobenzene	<	1.4	9.16E-05
1,2-Dichlorobenzene	<	1.4	9.16E-05
1,2,4-Trichlorobenzene	<	8.9	5.82E-04
Hexachlorobutadiene	<	13	8.51E-04
Hexane		38.0	2.49E-03
Heptane		16.5	1.08E-03
Cyclohexane		13.4	8.77E-04
Tetrahydrofuran	<	2.8	1.83E-04
1,4-Dioxane	<	8.6	5.63E-04
Naphthalene	<	6.3	4.12E-04
Total Xylenes		100	6.54E-03
1,1,1,2-Tetrachloroethane	<	1.6	1.05E-04
Vinyl Bromide	<	2.1	1.37E-04
Propene		3.0	1.96E-04
2,2,4-Trimethylpentane		26.4	1.73E-03
Carbon Disulfide	<	3.7	2.42E-04
Vinyl Acetate	<	5.9	3.86E-04
Volumetric Flow (WSCFH):	1045965		
			lb/hr
Max Detected Compound:	Tetrachloroethylene		5.15E-01
Total Detected HAP:			6.00E-01