

# **DATA 2**

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*Data of the Waste Amount and  
Composition Survey*

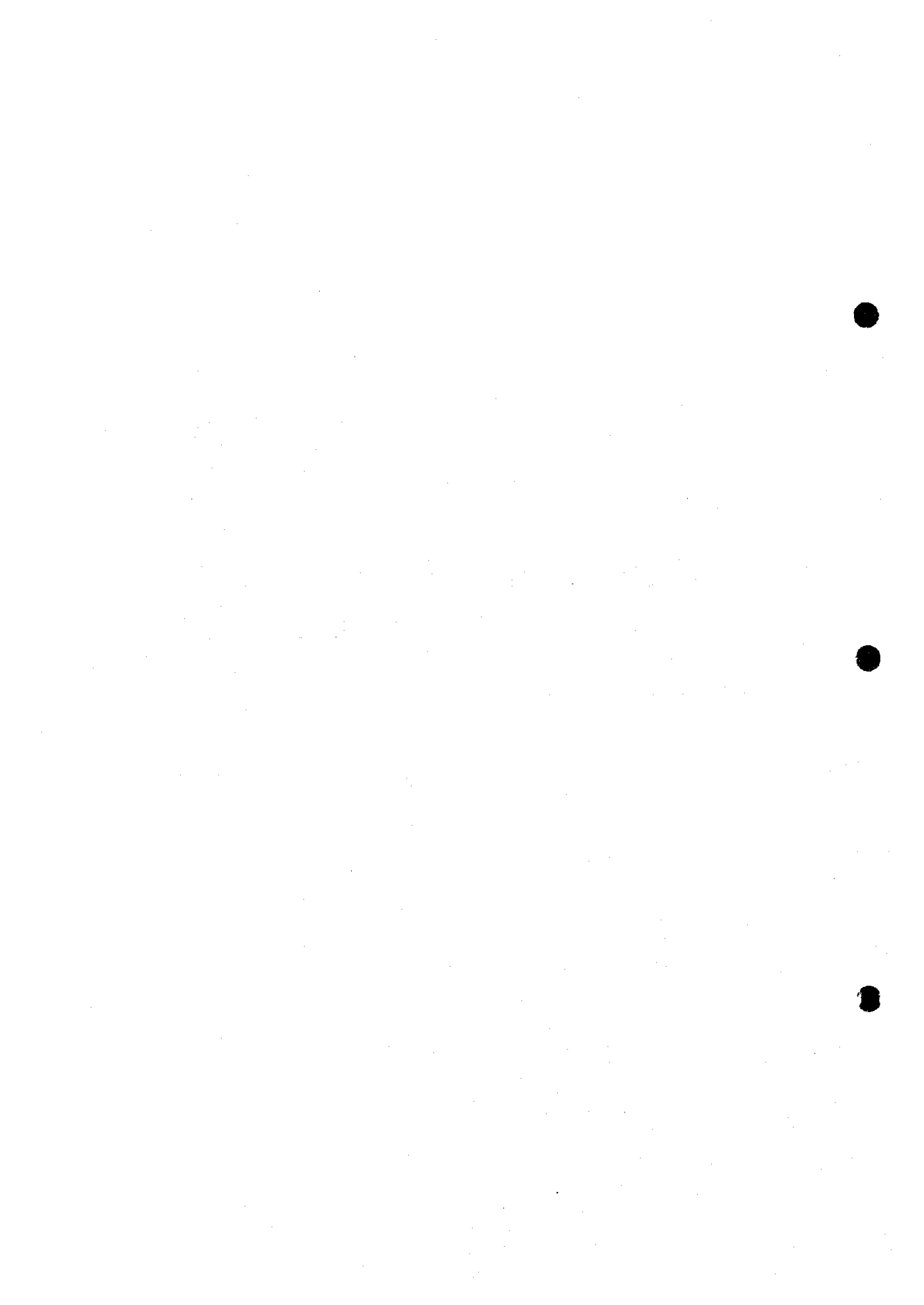


Table 2-1 List of Sampling Points for the Waste Amount and Composition Survey (WACS) in Leon

Generation Source		Code No.	Area	Survey Points	
				Address	Family (Name)
Residential Area	High Income	RH-01	Fatima	Costado Norte del Parque	Fonsecca
		RH-02	Fatima	3 <sup>a</sup> Calle Casa No. 163	Melendez
		RH-03	Fatima	3 <sup>a</sup> Calle Casa No. 252	Pichardo
		RH-04	Universidad	Rotonda 120 V. Arriba Casa No. B-7	Chavarria
		RH-05	Universidad	2 <sup>a</sup> Calle Casa No. C-9	Tercero
	Middle Income	RM-01	Guadalupe	Casa No. C-10	Fuentes
		RM-02	Guadalupe	Casa No. C-30	Mayorga
		RM-03	Guadalupe	3 <sup>a</sup> Calle Casa No. A-6	Moraga
		RM-04	Posada Del Sol	Casa No. 103	Espinoza
		RM-05	Posada Del Sol	Contiguo A Radio Dario Casa No. 94	Reyes
	Low Income	RL-01	Santa Lucia	2 <sup>a</sup> Calle Lote No. G-410	Zosa
		RL-02	Santa Lucia	2 <sup>a</sup> Calle Lote No. B-8	Ramos
		RL-03	Santa Lucia	3 <sup>a</sup> Calle Lote No. A-116	Sanchez
		RL-04	Ruben Dario	Frente al Taller de Capacitacion	Siles
		RL-05	Ruben Dario	6 <sup>a</sup> Calle Lote No. 119	Hernandez
Commercial Area	Restauran	CR-01	Subtiava	de la Iglesia 1C al sur, 1C abajo	Picado
		CR-02	Subtiava	Colegio Calazan 2C al sur	Vanegas
		CR-03	Guadalupe	Instituto I.N.O 1C al norte	Blanco
		CR-04	La Arroceraa	Arrocera 120 varas al sur	Martinez
		CR-05	La Estation	Proquinsa 1/2 C al sur	Morales
	Others	CO-01	Guadalupe	Instituto I.N.O 1/2C Arriba	Salinas
		CO-02	San Juan	Iglesia San Juan 2 1/2 C al sur	Ibarra
		CO-03	San Juan	Frente a Telcor San Juan	Cordoba
		CO-04	San Juan	Frente al Parque San Juan Esquina N.O.	Valdivia
		CO-05	Zona Central	Esquina de Los Bancos 1/2C al sur	Zamora
Institution	I-01	Parque Central	Contiguo a Catedral	Varela	
	I-02	San Juan	Costado sur Iglesia San Juan	Berrios	
Market	M-01	Zona Central	Mercado Central 1 <sup>ra</sup> avenida este		
	M-02	La Estation	Mercado Santos Barcenaa 3 <sup>ra</sup> avenida este		
Street Sweeping	S-01	Avenida Central	Cementerio Guadalupe hasta pizarra del estadio l e. E.		
	S-02	Calle Ruben Dario	Iglesia El Calvario hasta colegio Calazans		

Table 2-2 List of Sampling Points for the Waste Amount and Composition Survey (WACS) in Chinandega

Generation Source		Code No.	Area	Survey Points	
				Address	Family (Name)
Residential Area	High Income	RH-01	Santana	Ferreteria Navarro 75 varas al sur	Lopez
		RH-02	Reparto la Camacha	Los encuentros 200 varas al norte	Rivas
		RH-03	San Antonio	Inglesia San Antonio 25 varas al sur	Molieri
		RH-04	Reparto los Arcos	Donde fue hotel Caciguina 150 v. al S.	Mantica
		RH-05	Reparto la Camacha	Los encuentros 200 varas al norte	Zamora
	Middle Income	RM-01	Reparto Montserrat	Entrada principal 150 varas arriba	Jarquin
		RM-02	San Antonio	Cotiguo a INISER	Navarro
		RM-03	El Rosario	Club Eden 3 1/2C abajo	Landero
		RM-04	Julio Cesar Tinoco	Colegio Arturo Montealegre 3C al N.	Rodriguez
		RM-05	Barrio el Calvario	Pauling Norori 2C al norte	Tellez
	Low Income	RL-01	Ana Virgen Robles	La Communal 2C al norte	Amador
		RL-02	Ana Virgen Robles	La Communal 2C al norte	Centeno
		RL-03	Julio Cesar Tinoco	Escuela Arturo Montealegre 110 v.al N.	Peralta
		RL-04	Reparto 12 de Sep.	Detras escuela Marcos costado este	Sanchez
		RL-05	A. Cesar Sandino	Variedades 4 1/2C al sur	Trejo
Commercial Area	Restauran	CR-01	Reparto es te la	Primera calle	Montano
		CR-02	Quinta Rosa	Frente al Estado Mayor	Vivas
		CR-03	Reparto Montserrat	Entrada principal 3C al este	Dias
		CR-04	el Calvario	Donde fue mi Rancho 1C al sur	Aguilar
		CR-05	el Calvario	Frñete al Parque los guarumos	Ulloa
	Others	CO-01	el Calvario	Iglesia 75 varas abajo	Munguia
		CO-02	el Calvario	Esquina opuesta al mercado municipal	Sotomayor
		CO-03	Guadalupe	INISER 1C al sur	Mejia
		CO-04	la Parroquia	Banco Nacional de desarrollo 2C al N.	Quinones
		CO-05	Santana	Banco Nacional de desarrollo 2C al N.	Anduray
Institution	I-01	Santana	Banco Nacional de desarrollo 1C al S.	Delgadillo	
	I-02	Santana	Telcor 1/2C al norte y 1/2 abajo	Velasquez	
Market	M-01	Zona Central	Mercado Central, Avania Central		
	M-02	Mayoreo	Mercado Mayoreo, Barrio San Augustin		
Street Sweeping	S-01	Avenida Central	Donde fue Hotel Cosiguina hasta Policia Nacional		
	S-02	Rosa Sarmiento	De la estacion al Barrio Miriam Tinoco		

Table 2-3 List of Sampling Points for the Waste Amount and Composition Survey (WACS) in Granada

Generation Source	Code No.	Area	Survey Points		
			Address	Family (Name)	
Residential Area	High Income	RH-01	Calle La Calzada	De Catedral 3 1/2c. Al Lago	Lopez
		RH-02	Calle Real Xalteva	Fte. Iglesia La Merced Costado sur	Jarquín
		RH-03	Calle Xalteva	Calle Real 611	Mongalo
		RH-04	Calle Atravesada	Del Parque Sandino 1/2 c. sur	Urbina
		RH-05	La Calzada	Fte. Pension Cabrera	Roman
	Middle Income	RM-01	Calle Santa Lucia	Casa No. 104	Rosales
		RM-02	Calle Santa Lucia	Casa No. 113	Benavente
		RM-03	Calle El Caymito	Casa No. 208	Acosta
		RM-04	Calle El Caymito	De la alcaldia 1 1/2 c al lago	Arana
		RM-05	Calle La Libertad	Telcor 1c. Al Lago Casa No. 304	Roman
	Low Income	RL-01	Villa Sultana	Colegio H.M. 20 yrs al N. G-144	Palacios
		RL-02	Reparto Villa Sultana	Costado Norte Escuela Pancasan H-158	Jimenez
		RL-03	Reparto Pancasan	Shell Guapinol 7c. Al Norte	Gomez
		RL-04	Barrio El Rosario	Del Barrio Escondido 100 yrs al sur	Morales
		RL-05	Barrio Savaneta	Rest. Colinas 3c al L. 1 c. al N.	Guzman
Commercial Area	Restaurant	CR-01	Calle Nueva	Del Cementerio 300 yrs al lago	Hernandez
		CR-02	Julian Quintana	De Los Cocos 2 1/2c. al Este	Mencses
		CR-03	La Sabaneta	Rest. Colina sur	Galeano
		CR-04	Calle La Calzada	Contiguo a la Cruz Roja	Coulson
		CR-05	Centro Turistico	Centro Turistico	Lacayo
	Others	CO-01	Calle Atravesada	Contiguo al Antiguo Teatro Gonzalez	Gomez
		CO-02	Calle Atravesada	De la Iglesia Las Mercedes 1 1/2 c al L.	Miranda
		CO-03	Villa Sandino	Del Centro de Salud 1 1/2 c. al Lago	Gutierrez
		CO-04	Calle El Caymito	De la Alcaldia 15 yrs. Al Lago	Roblero
		CO-05	Calle Atravesada	Del Puente Dardanelos 75 yrs. al sur	Madriz
Institution	I-01	Calle Morazan No.201	De Catedral 1 1/2 c. al sur	Orozco	
	I-02	Calle Consulado	Fte. Iglesia La Mercedes	Gutierrez	
Market	M-01	Medo. Mpal. Adtro.	Al Sur Bo. Palmira, Al Norte Bo. Concepcion		
	M-02	Medo. Mpal. Afra.	Al Este calle Vega, al Oeste calle Atravezada		
Street Sweeping	S-01	Calle Real Xalteva	Donde fue la Polvora, hasta parque central		
	S-02	Avenida Arellano	Shell Guapinol, hasta calle Real Xalteva		

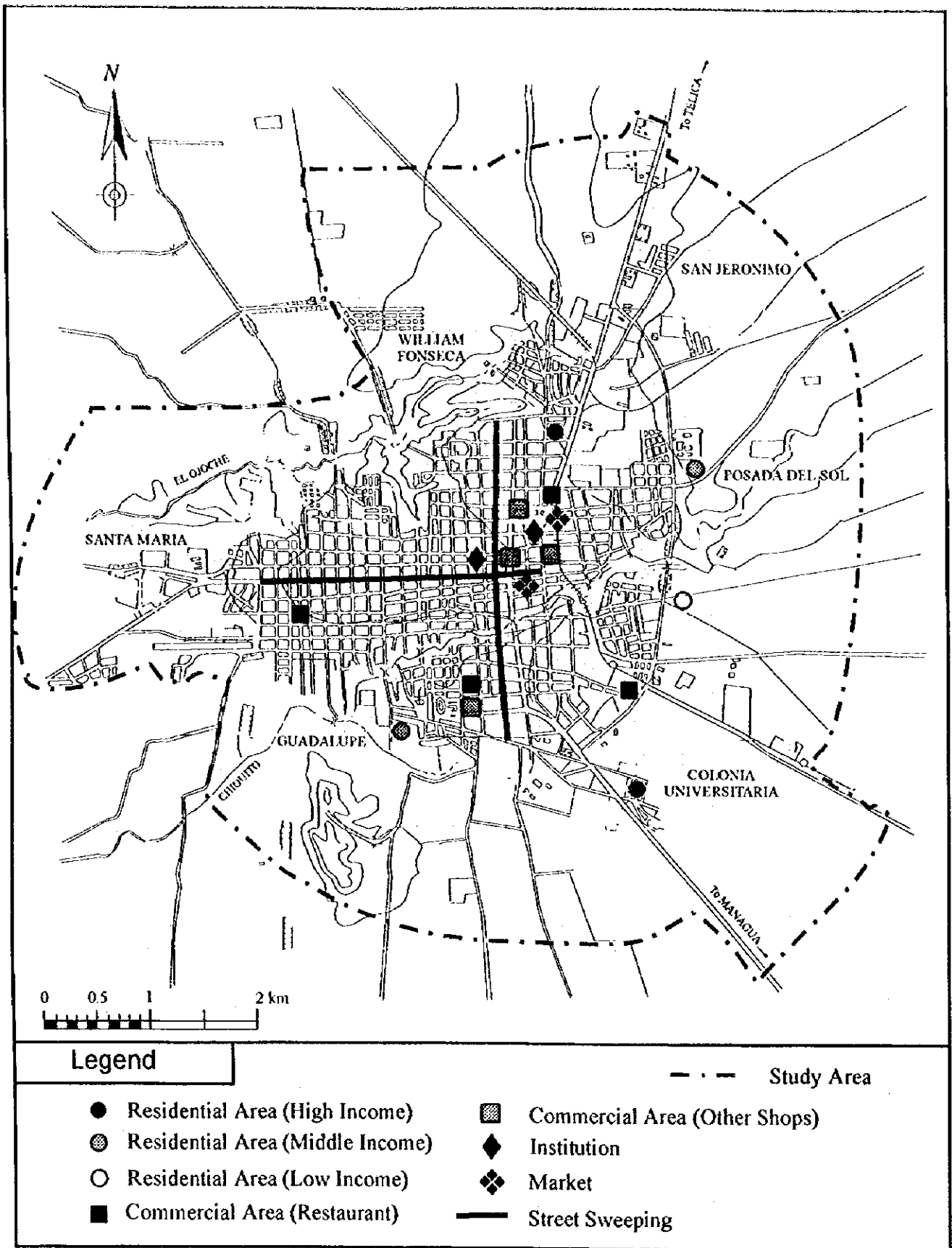


Figure 2-1: Location Map of Sampling Points in Leon

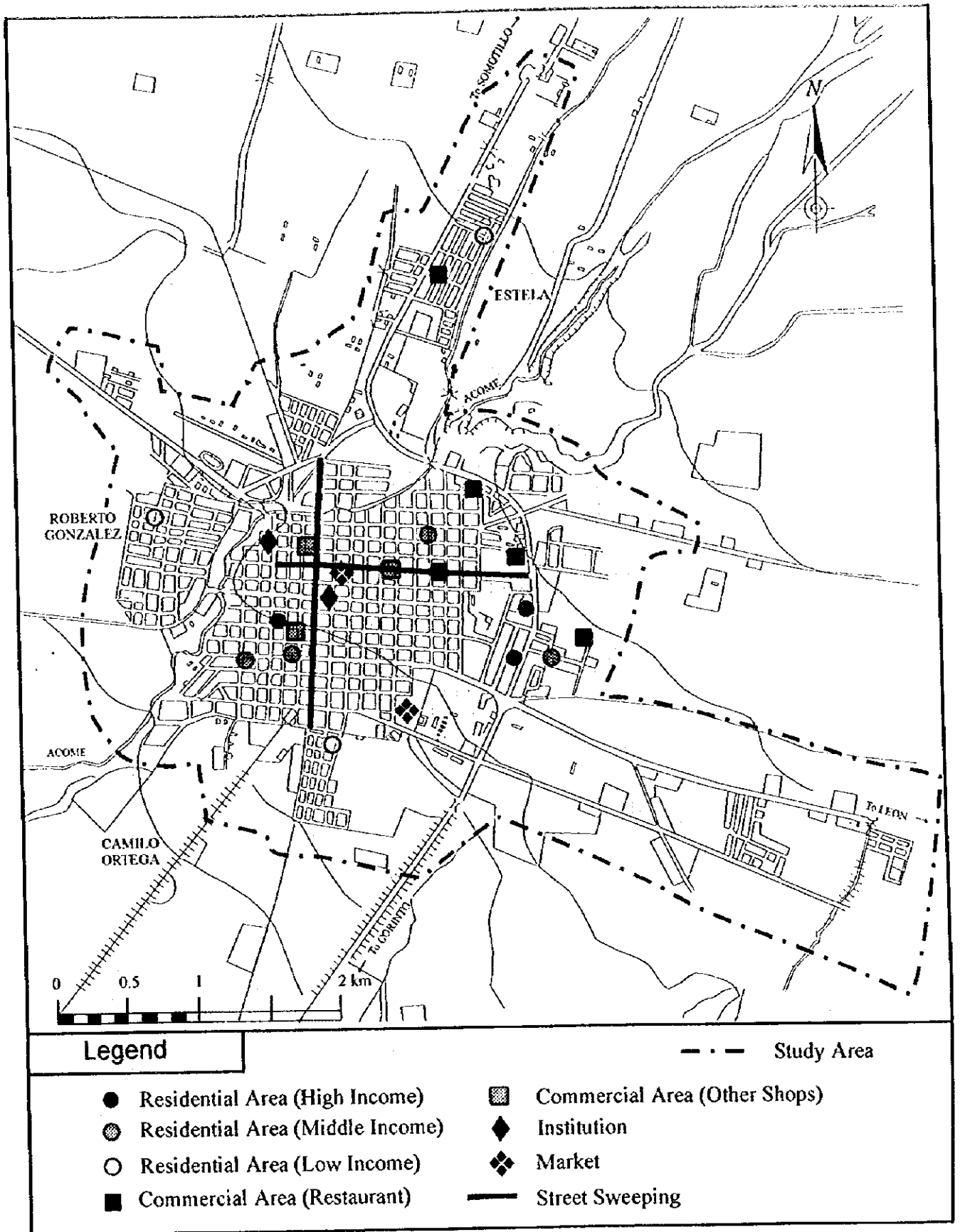


Figure 2-2: Location Map of Sampling Points in Chinandega

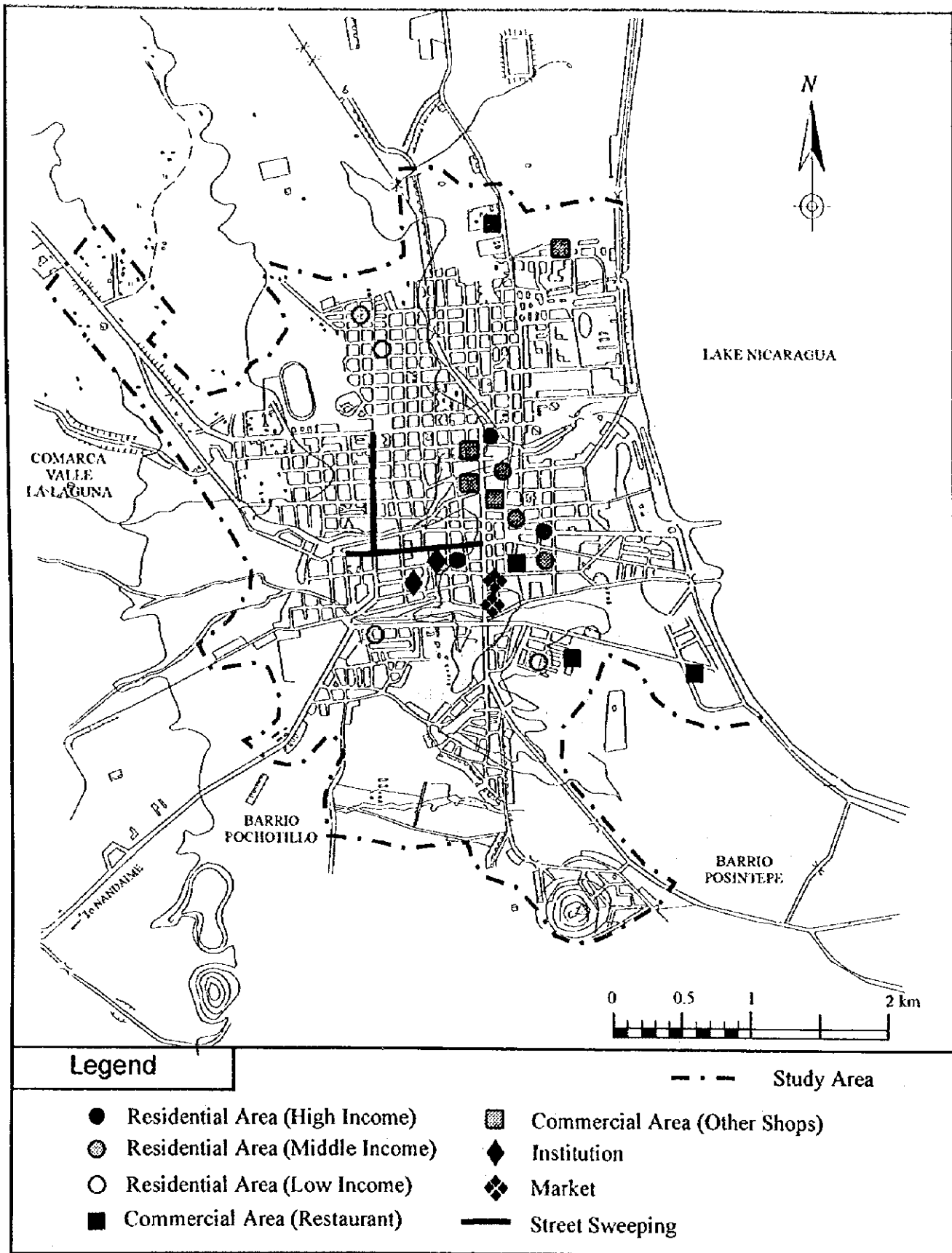


Figure 2-3: Location Map of Sampling Points in Granada



(Unit : g)

Table 2-4 Results of Waste Composition Survey (Wet Base) in Leon in Rainy Season (Discharge Source : Household Waste-High Income)

Date	Item	Physical Composition											Total	Apparent Specific Gravity		
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other					
5-Sep	g	3,650.00	940.00	30.00	330.00	1,000.00	20.00	30.00	180.00	20.00	30.00	30.00	20.00	30.00	6,230.00	0.39
Thu	%	58.59	15.09	0.48	5.30	16.05	0.32	0.48	2.89	0.32	0.48	0.48	0.32	0.48	100.00	
6-Sep	g	2,470.00	300.00	120.00	240.00	120.00	30.00	120.00	-	-	120.00	-	-	-	3,400.00	0.28
Fri	%	72.65	8.82	3.53	7.06	3.53	0.88	3.53	-	-	3.53	-	-	-	100.00	
7-Sep	g	820.00	90.00	30.00	60.00	1,740.00	30.00	-	20.00	30.00	-	-	30.00	-	2,820.00	0.23
Sat	%	29.08	3.19	1.06	2.13	61.70	1.06	-	0.71	1.06	-	-	1.06	-	100.00	
8-Sep	g	1,820.00	180.00	180.00	120.00	30.00	820.00	-	20.00	-	-	-	-	30.00	3,200.00	0.25
Sun	%	56.88	5.63	5.63	3.75	0.94	25.63	-	0.63	-	-	-	-	0.94	100.00	
9-Sep	g	1,710.00	470.00	150.00	300.00	300.00	30.00	60.00	-	-	60.00	-	-	60.00	3,080.00	0.30
Mon	%	55.52	15.26	4.87	9.74	9.74	0.97	1.95	-	-	1.95	-	-	1.95	100.00	
10-Sep	g	850.00	150.00	30.00	180.00	590.00	820.00	60.00	-	-	60.00	-	60.00	30.00	2,770.00	0.28
Tue	%	30.69	5.42	1.08	6.50	21.30	29.60	2.17	-	-	2.17	-	2.17	1.08	100.00	
11-Sep	g	1,350.00	240.00	30.00	60.00	700.00	30.00	90.00	-	-	90.00	-	-	120.00	2,620.00	0.32
Wed	%	51.53	9.16	1.15	2.29	26.72	1.15	3.44	-	-	3.44	-	-	4.58	100.00	
Total	g	12,670.00	2,370.00	570.00	1,290.00	4,480.00	1,780.00	360.00	220.00	110.00	270.00	270.00	110.00	270.00	24,120.00	0.29
Week	%	52.53	9.83	2.36	5.35	18.57	7.38	1.49	0.91	0.46	1.12	1.12	0.46	1.12	100.00	

Table 2-5 Results of Waste Composition Survey (Wet Base) in Leon in Rainy Season (Discharge Source : Household Waste-Middle Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity	
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total		
5-Sep	g	240.00	60.00	-	120.00	750.00	30.00	20.00	60.00	20.00	30.00	30.00	1,310.00	0.16
Thu	%	18.32	4.58	-	9.16	55.73	2.29	1.53	4.58	1.53	2.29	100.00		
6-Sep	g	1,060.00	180.00	60.00	240.00	970.00	-	120.00	60.00	30.00	60.00	2,780.00	0.23	
Fri	%	38.13	6.47	2.16	8.63	34.89	-	4.32	2.16	1.08	2.16	100.00		
7-Sep	g	700.00	90.00	60.00	60.00	-	590.00	60.00	30.00	60.00	-	1,650.00	0.16	
Sat	%	42.42	5.45	3.64	3.64	-	35.76	3.64	1.82	3.64	-	100.00		
8-Sep	g	360.00	240.00	60.00	30.00	-	240.00	30.00	-	-	-	960.00	0.09	
Sun	%	37.50	25.00	6.25	3.13	-	25.00	3.13	-	-	-	100.00		
9-Sep	g	240.00	300.00	-	240.00	1,000.00	-	-	-	-	-	1,780.00	0.18	
Mon	%	13.48	16.85	-	13.48	56.18	-	-	-	-	-	100.00		
10-Sep	g	240.00	150.00	20.00	30.00	-	910.00	30.00	60.00	20.00	30.00	1,490.00	0.12	
Tue	%	16.11	10.07	1.34	2.01	-	61.07	2.01	4.03	1.34	2.01	100.00		
11-Sep	g	850.00	120.00	30.00	60.00	760.00	-	30.00	-	90.00	60.00	2,000.00	0.20	
Wed	%	42.50	6.00	1.50	3.00	38.00	-	1.50	-	4.50	3.00	100.00		
Total	g	3,690.00	1,140.00	230.00	780.00	3,460.00	1,770.00	290.00	210.00	220.00	180.00	11,970.00	0.16	
Week	%	30.83	9.52	1.92	6.52	28.91	14.79	2.42	1.75	1.84	1.50	100.00		

(Unit : g)

Table 2-6 Results of Waste Composition Survey (Wet Base) in Leon in Rainy Season (Discharge Source : Household Waste-Low Income)

Date	Item	Physical Composition											Total	Apparent Specific Gravity	
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other				
5-Sep	g	240.00	30.00	-	90.00	3,350.00	-	30.00	-	30.00	60.00	30.00	60.00	3,850.00	0.52
Thu	%	6.27	0.78	-	2.35	87.47	-	0.78	-	0.78	1.57	0.78	1.57	100.00	
6-Sep	g	300.00	30.00	-	30.00	3,650.00	-	120.00	-	120.00	120.00	120.00	120.00	4,370.00	0.27
Fri	%	6.86	0.69	-	0.69	83.52	-	2.75	-	2.75	2.75	2.75	2.75	100.00	
7-Sep	g	270.00	-	60.00	30.00	1,850.00	30.00	30.00	300.00	30.00	2,470.00	30.00	2,470.00	5,070.00	0.50
Sat	%	5.33	-	1.18	0.59	36.49	0.59	0.59	5.92	0.59	48.72	0.59	48.72	100.00	
8-Sep	g	-	180.00	30.00	120.00	3,290.00	360.00	60.00	-	60.00	60.00	-	60.00	4,100.00	0.26
Sun	%	-	4.39	0.73	2.93	80.24	8.78	1.46	-	1.46	1.46	-	1.46	100.00	
9-Sep	g	620.00	150.00	60.00	700.00	4,230.00	-	60.00	120.00	60.00	100.00	-	100.00	6,040.00	0.50
Mon	%	10.26	2.48	0.99	11.59	70.03	-	0.99	1.99	0.99	1.66	-	1.66	100.00	
10-Sep	g	270.00	60.00	-	90.00	1,140.00	-	20.00	-	20.00	30.00	120.00	30.00	1,750.00	0.16
Tue	%	15.61	3.47	-	5.20	65.90	-	1.16	-	1.16	1.73	6.94	1.73	100.00	
11-Sep	g	210.00	30.00	-	30.00	2,090.00	-	60.00	-	60.00	1,800.00	60.00	1,800.00	4,280.00	0.45
Wed	%	4.91	0.70	-	0.70	48.83	-	1.40	-	1.40	42.06	1.40	42.06	100.00	
Total	g	1,910.00	480.00	150.00	1,090.00	19,600.00	390.00	380.00	420.00	380.00	4,640.00	360.00	4,640.00	29,420.00	0.35
Week	%	6.49	1.63	0.51	3.70	66.63	1.33	1.29	1.43	1.29	15.77	1.22	15.77	100.00	

Table 2-7 Results of Waste Composition Survey (Wet Base) in Leon in Rainy Season (Discharge Source : Commercial Area-Restaurant)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
5-Sep	g	5,030.00	330.00	30.00	270.00	330.00	60.00	120.00	330.00	60.00	30.00	6,590.00	0.47
Thu	%	76.33	5.01	0.46	4.10	5.01	0.91	1.82	5.01	0.91	0.46	100.00	
6-Sep	g	3,410.00	940.00	20.00	240.00	2,000.00	20.00	820.00	790.00	120.00	120.00	8,480.00	0.47
Fri	%	40.21	11.08	0.24	2.83	23.58	0.24	9.67	9.32	1.42	1.42	100.00	
7-Sep	g	6,760.00	380.00	-	90.00	90.00	-	270.00	560.00	60.00	20.00	8,230.00	0.55
Sat	%	82.14	4.62	-	1.09	1.09	-	3.28	6.80	0.73	0.24	100.00	
8-Sep	g	3,180.00	650.00	30.00	180.00	240.00	30.00	120.00	240.00	60.00	20.00	4,750.00	0.43
Sun	%	66.95	13.68	0.63	3.79	5.05	0.63	2.53	5.05	1.26	0.42	100.00	
9-Sep	g	5,440.00	360.00	-	270.00	30.00	-	150.00	30.00	-	30.00	6,310.00	0.49
Mon	%	86.21	5.71	-	4.28	0.48	-	2.38	0.48	-	0.48	100.00	
10-Sep	g	4,530.00	590.00	20.00	120.00	60.00	-	150.00	60.00	150.00	30.00	5,710.00	0.52
Tue	%	79.33	10.33	0.35	2.10	1.05	-	2.63	1.05	2.63	0.53	100.00	
11-Sep	g	3,060.00	330.00	-	120.00	210.00	-	60.00	180.00	210.00	30.00	4,200.00	0.38
Wed	%	72.86	7.86	-	2.86	5.00	-	1.43	4.29	5.00	0.71	100.00	
Total	g	31,410.00	3,580.00	100.00	1,290.00	2,960.00	110.00	1,690.00	2,190.00	660.00	280.00	44,270.00	0.47
Week	%	70.94	8.09	0.23	2.91	6.69	0.25	3.82	4.95	1.49	0.63	100.00	

(Unit : g)

Table 2-8 Results of Waste Composition Survey (Wet Base) in Leon in Rainy Season (Discharge Source : Commercial Area-Other Shops)

Date	Item	Physical Composition											Apparent Specific Gravity	
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total		
5-Sep	g	1,170.00	680.00	30.00	180.00	270.00	90.00	120.00	-	30.00	30.00	30.00	2,600.00	0.15
Thu	%	45.00	26.15	1.15	6.92	10.38	3.46	4.62	-	1.15	1.15	1.15	100.00	
6-Sep	g	240.00	210.00	60.00	210.00	90.00	150.00	20.00	-	-	30.00	30.00	1,010.00	0.10
Fri	%	23.76	20.79	5.94	20.79	8.91	14.85	1.98	-	-	2.97	2.97	100.00	
7-Sep	g	940.00	120.00	30.00	30.00	590.00	-	60.00	-	90.00	20.00	20.00	1,880.00	0.21
Sat	%	50.00	6.38	1.60	1.60	31.38	-	3.19	-	4.79	1.06	1.06	100.00	
8-Sep	g	700.00	210.00	20.00	210.00	730.00	30.00	20.00	120.00	270.00	700.00	700.00	3,010.00	0.27
Sun	%	23.26	6.98	0.66	6.98	24.25	1.00	0.66	3.99	8.97	23.26	23.26	100.00	
9-Sep	g	730.00	590.00	30.00	30.00	-	30.00	120.00	-	-	30.00	30.00	1,560.00	0.15
Mon	%	46.79	37.82	1.92	1.92	-	1.92	7.69	-	-	1.92	1.92	100.00	
10-Sep	g	180.00	240.00	20.00	120.00	330.00	120.00	20.00	30.00	-	30.00	30.00	1,090.00	0.09
Tue	%	16.51	22.02	1.83	11.01	30.28	11.01	1.83	2.75	-	2.75	2.75	100.00	
11-Sep	g	210.00	210.00	30.00	150.00	90.00	30.00	-	-	-	-	-	720.00	0.07
Wed	%	29.17	29.17	4.17	20.83	12.50	4.17	-	-	-	-	-	100.00	
Total	g	4,170.00	2,260.00	220.00	930.00	2,100.00	450.00	360.00	150.00	390.00	840.00	840.00	11,870.00	0.15
Week	%	35.14	19.04	1.85	7.83	17.69	3.79	3.03	1.26	3.29	7.08	7.08	100.00	

Table 2-9 Results of Waste Composition Survey (Wet Base) in Leon in Rainy Season (Discharge Source : Institution)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
5-Sep	g	650.00	2,270.00	30.00	360.00	210.00	-	30.00	-	60.00	50.00	3,640.00	0.20
	%	17.86	62.36	0.82	9.89	5.77	-	0.82	-	1.65	0.82	100.00	
6-Sep	g	60.00	240.00	-	30.00	-	-	-	-	-	-	330.00	0.03
	%	18.18	72.73	-	9.09	-	-	-	-	-	-	100.00	
7-Sep	g	30.00	330.00	30.00	60.00	-	-	30.00	-	-	-	480.00	0.04
	%	6.25	68.75	6.25	12.50	-	-	6.25	-	-	-	100.00	
8-Sep	g	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	
9-Sep	g	30.00	330.00	30.00	30.00	-	-	-	-	-	-	420.00	0.05
	%	7.14	78.57	7.14	7.14	-	-	-	-	-	-	100.00	
10-Sep	g	470.00	1,270.00	20.00	60.00	30.00	-	30.00	-	60.00	30.00	1,970.00	0.11
	%	23.86	64.47	1.02	3.05	1.52	-	1.52	-	3.05	1.52	100.00	
11-Sep	g	60.00	620.00	-	30.00	-	-	60.00	-	-	-	770.00	0.05
	%	7.79	80.52	-	3.90	-	-	7.79	-	-	-	100.00	
Total	g	1,300.00	5,060.00	110.00	570.00	240.00	-	150.00	-	120.00	60.00	7,610.00	0.08
	%	17.08	66.49	1.45	7.49	3.15	-	1.97	-	1.58	0.79	100.00	

(Unit : g)

Table 2-10 Results of Waste Composition Survey (Wet Base) in Leon in Rainy Season (Discharge Source : Market)

Date	Item	Physical Composition											Total	Apparent Specific Gravity			
		Kitchen Waste		Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other					
		g	%														
5-Sep	g	2,500.00		2,000.00	30.00	560.00	2,060.00	-	20.00	30.00	30.00	30.00	30.00	30.00	30.00	7,260.00	0.40
Thu	%	34.44		27.55	0.41	7.71	28.37	-	0.28	0.41	0.41	0.41	0.41	0.41	0.41	100.00	
6-Sep	g	2,030.00		1,170.00	-	500.00	1,030.00	30.00	30.00	30.00	60.00	60.00	60.00	30.00	30.00	4,910.00	0.31
Fri	%	41.34		23.83	-	10.18	20.98	0.61	0.61	0.61	1.22	1.22	1.22	0.61	0.61	100.00	
7-Sep	g	1,350.00		440.00	30.00	210.00	2,060.00	30.00	30.00	30.00	150.00	150.00	60.00	60.00	60.00	4,390.00	0.24
Sat	%	30.75		10.02	0.68	4.78	46.92	0.68	0.68	0.68	3.42	3.42	1.37	1.37	1.37	100.00	
8-Sep	g	1,470.00		650.00	20.00	240.00	790.00	60.00	60.00	30.00	90.00	90.00	20.00	20.00	20.00	3,430.00	0.29
Sun	%	42.86		18.95	0.58	7.00	23.03	1.75	1.75	0.87	2.62	2.62	0.58	0.58	0.58	100.00	
9-Sep	g	2,000.00		880.00	-	330.00	850.00	20.00	60.00	60.00	150.00	150.00	60.00	60.00	60.00	4,410.00	0.34
Mon	%	45.35		19.95	-	7.48	19.27	0.45	1.36	1.36	3.40	3.40	1.36	1.36	1.36	100.00	
10-Sep	g	1,030.00		440.00	30.00	150.00	650.00	-	30.00	60.00	240.00	240.00	120.00	120.00	120.00	2,750.00	0.25
Tue	%	37.45		16.00	1.09	5.45	23.64	-	1.09	2.18	8.73	8.73	4.36	4.36	4.36	100.00	
11-Sep	g	2,090.00		560.00	30.00	270.00	210.00	-	380.00	20.00	30.00	30.00	30.00	30.00	30.00	5,620.00	0.30
Wed	%	57.73		15.47	0.83	7.46	5.80	-	10.50	0.55	0.83	0.83	0.83	0.83	0.83	100.00	
Total	g	12,470.00		6,140.00	140.00	2,260.00	7,650.00	140.00	610.00	260.00	750.00	750.00	550.00	550.00	550.00	30,770.00	0.30
Week	%	40.54		19.95	0.45	7.34	24.87	0.45	1.98	0.84	2.44	2.44	1.14	1.14	1.14	100.00	

(Unit : g)

Table 2-11 Results of Waste Composition Survey (Wet Base) in Chinandega in Rainy Season (Discharge Source : Household Waste-High Income)

Item	Physical Composition											Apparent Specific Gravity	
	Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total		
Date													
28-Aug	g	530.00	60.00	60.00	30.00	440.00	30.00	30.00	60.00	-	30.00	1,270.00	0.13
Wed	%	41.73	4.72	4.72	2.36	34.65	2.36	2.36	4.72	-	2.36	100.00	
29-Aug	g	700.00	120.00	30.00	90.00	500.00	-	-	-	-	-	1,440.00	0.18
Thu	%	48.61	8.33	2.08	6.25	34.72	-	-	-	-	-	100.00	
30-Aug	g	2,180.00	240.00	90.00	120.00	470.00	-	90.00	30.00	-	-	3,220.00	0.25
Fri	%	67.70	7.45	2.80	3.73	14.60	-	2.80	0.93	-	-	100.00	
31-Aug	g	2,820.00	360.00	-	360.00	-	30.00	60.00	150.00	-	-	3,780.00	0.38
Sat	%	74.60	9.52	-	9.52	-	0.79	1.59	3.97	-	-	100.00	
1-Sep	g	820.00	240.00	-	120.00	-	-	120.00	150.00	30.00	-	1,480.00	0.12
Sun	%	55.41	16.22	-	8.11	-	-	8.11	10.14	2.03	-	100.00	
2-Sep	g	1,650.00	120.00	30.00	210.00	90.00	30.00	30.00	-	-	30.00	2,190.00	0.22
Mon	%	75.34	5.48	1.37	9.59	4.11	1.37	1.37	-	-	1.37	100.00	
3-Sep	g	1,770.00	210.00	20.00	120.00	30.00	-	60.00	180.00	-	20.00	2,410.00	0.50
Tue	%	73.44	8.71	0.83	4.98	1.24	-	2.49	7.47	-	0.83	100.00	
Total	g	10,470.00	1,350.00	230.00	1,050.00	1,530.00	90.00	390.00	570.00	30.00	80.00	15,790.00	0.22
Week	%	66.30	8.55	1.46	6.65	9.69	-	2.47	3.61	0.19	0.51	100.00	



(Unit : g)

Table 2-12 Results of Waste Composition Survey (Wet Base) in Chinandega in Rainy Season (Discharge Source : Household Waste-Middle Income)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
		g	g	g	g	g	g	g	g	g	g			
28-Aug	g	470.00	60.00	30.00	30.00	910.00	-	30.00	-	90.00	30.00	30.00	1,650.00	0.21
Wed	%	28.48	3.64	1.82	1.82	55.15	-	1.82	-	5.45	1.82	1.82	100.00	
29-Aug	g	1,410.00	90.00	150.00	60.00	650.00	-	30.00	30.00	90.00	20.00	20.00	2,550.00	0.21
Thu	%	55.73	3.56	5.93	2.37	25.69	-	1.19	1.19	3.56	0.79	0.79	100.00	
30-Aug	g	850.00	30.00	-	90.00	590.00	30.00	20.00	60.00	150.00	30.00	30.00	1,850.00	0.26
Fri	%	45.95	1.62	-	4.86	31.89	1.62	1.08	3.24	8.11	1.62	1.62	100.00	
31-Aug	g	1,650.00	90.00	30.00	30.00	1,170.00	-	30.00	-	240.00	150.00	150.00	3,390.00	0.26
Sat	%	48.67	2.65	0.88	0.88	34.51	-	0.88	-	7.08	4.42	4.42	100.00	
1-Sep	g	1,410.00	120.00	30.00	210.00	1,170.00	-	30.00	30.00	120.00	180.00	180.00	3,300.00	0.24
Sun	%	42.73	3.64	0.91	6.36	35.45	-	0.91	0.91	3.64	5.45	5.45	100.00	
2-Sep	g	1,170.00	90.00	20.00	120.00	820.00	-	30.00	-	30.00	30.00	30.00	2,310.00	0.16
Mon	%	50.65	3.90	0.87	5.19	35.50	-	1.30	-	1.30	1.30	1.30	100.00	
3-Sep	g	680.00	150.00	30.00	90.00	1,030.00	-	20.00	-	120.00	-	-	2,120.00	0.26
Tue	%	32.08	7.08	1.42	4.25	48.58	-	0.94	-	5.66	-	-	100.00	
Total	g	7,640.00	630.00	290.00	630.00	6,340.00	30.00	190.00	120.00	840.00	440.00	440.00	17,150.00	0.23
Week	%	44.55	3.67	1.69	3.67	36.97	0.17	1.11	0.70	4.90	2.57	2.57	100.00	

Table 2-13 Results of Waste Composition Survey (Wet Base) in Chinandega in Rainy Season (Discharge Source : Household Waste-Low Income)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
28-Aug	g	240.00	30.00	30.00	30.00	560.00	20.00	30.00	-	60.00	210.00	1,210.00	0.15	
Wed	%	19.83	2.48	2.48	2.48	46.28	1.65	2.48	-	4.96	17.36	100.00		
29-Aug	g	240.00	30.00	60.00	30.00	1,000.00	20.00	30.00	-	90.00	90.00	1,590.00	0.16	
Thu	%	15.09	1.89	3.77	1.89	62.89	1.26	1.89	-	5.66	5.66	100.00		
30-Aug	g	850.00	30.00	60.00	60.00	1,500.00	150.00	-	-	240.00	150.00	3,040.00	0.22	
Fri	%	27.96	0.99	1.97	1.97	49.34	4.93	-	-	7.89	4.93	100.00		
31-Aug	g	470.00	20.00	-	150.00	1,650.00	30.00	20.00	-	210.00	330.00	2,880.00	0.21	
Sat	%	16.32	0.69	-	5.21	57.29	1.04	0.69	-	7.29	11.46	100.00		
1-Sep	g	910.00	30.00	30.00	30.00	1,000.00	-	30.00	-	240.00	60.00	2,330.00	0.19	
Sun	%	39.06	1.29	1.29	1.29	42.92	-	1.29	-	10.30	2.58	100.00		
2-Sep	g	910.00	30.00	150.00	60.00	1,240.00	120.00	30.00	-	30.00	90.00	2,660.00	0.16	
Mon	%	34.21	1.13	5.64	2.26	46.62	4.51	1.13	-	1.13	3.38	100.00		
3-Sep	g	530.00	30.00	-	60.00	1,500.00	30.00	60.00	-	270.00	180.00	2,660.00	0.22	
Tue	%	19.92	1.13	-	2.26	56.39	1.13	2.26	-	10.15	6.77	100.00		
Total	g	4,150.00	200.00	330.00	420.00	8,450.00	370.00	200.00	-	1,140.00	1,110.00	16,370.00	0.19	
Week	%	25.35	1.22	2.02	2.57	51.62	2.26	1.22	-	6.96	6.78	100.00		

(Unit : g)

Table 2-14 Results of Waste Composition Survey (Wet Base) in Chinandega in Rainy Season (Discharge Source : Commercial Area-Restaurant)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
28-Aug	g	940.00	120.00	-	60.00	330.00	-	30.00	90.00	20.00	90.00	1,680.00	0.21
Wed	%	55.95	7.14	-	3.57	19.64	-	1.79	5.36	1.19	5.36	100.00	
29-Aug	g	1,650.00	240.00	30.00	180.00	1,650.00	-	300.00	180.00	150.00	470.00	4,850.00	0.40
Thu	%	34.02	4.95	0.62	3.71	34.02	-	6.19	3.71	3.09	9.69	100.00	
30-Aug	g	730.00	210.00	-	30.00	300.00	-	30.00	-	20.00	60.00	1,380.00	0.16
Fri	%	52.90	15.22	-	2.17	21.74	-	2.17	-	1.45	4.35	100.00	
31-Aug	g	2,710.00	470.00	-	40.00	1,000.00	-	60.00	30.00	530.00	30.00	4,870.00	0.41
Sat	%	55.65	9.65	-	0.82	20.53	-	1.25	0.62	10.88	0.62	100.00	
1-Sep	g	1,880.00	180.00	-	120.00	700.00	-	30.00	-	180.00	210.00	3,300.00	0.28
Sun	%	56.97	5.45	-	3.64	21.21	-	0.91	-	5.45	6.36	100.00	
2-Sep	g	530.00	120.00	-	60.00	590.00	-	40.00	240.00	60.00	120.00	1,760.00	0.17
Mon	%	30.11	6.82	-	3.41	33.52	-	2.27	13.64	3.41	6.82	100.00	
3-Sep	g	3,290.00	150.00	-	90.00	90.00	-	60.00	-	120.00	30.00	3,830.00	0.38
Tue	%	85.90	3.92	-	2.35	2.35	-	1.57	-	3.13	0.78	100.00	
Total	g	11,730.00	1,490.00	30.00	580.00	4,660.00	-	550.00	540.00	1,080.00	1,010.00	21,670.00	0.29
Week	%	54.13	6.88	0.14	2.68	21.50	-	2.54	2.49	4.98	4.66	100.00	

Table 2-15 Results of Waste Composition Survey (Wet Base) in Chinandega in Rainy Season (Discharge Source : Commercial Area-Other Shops)

(Unit : g)

Item	Physical Composition											Apparent Specific Gravity				
	Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total					
Date	g	%	g	%	g	%	g	%	g	%	g	%	g	%	g	%
28-Aug	120.00	210.00	30.00	30.00	150.00	-	30.00	20.00	30.00	40.00	660.00	0.07				
Wed	18.18	31.82	4.55	4.55	22.73	-	4.55	5.03	4.55	6.06	100.00					
29-Aug	120.00	270.00	-	90.00	60.00	-	40.00	-	-	-	580.00	0.03				
Thu	20.69	46.55	-	15.52	10.34	-	6.90	-	-	-	100.00					
30-Aug	30.00	210.00	-	90.00	30.00	-	-	40.00	-	-	400.00	0.03				
Fri	7.50	52.50	-	22.50	7.50	-	-	10.00	-	-	100.00					
31-Aug	940.00	360.00	-	60.00	-	90.00	30.00	-	40.00	-	1,520.00	0.11				
Sat	61.84	23.68	-	3.95	-	5.92	1.97	-	2.63	-	100.00					
1-Sep	120.00	120.00	30.00	60.00	240.00	-	30.00	30.00	30.00	-	660.00	0.07				
Sun	18.18	18.18	4.55	9.09	36.36	-	4.55	4.55	4.55	-	100.00					
2-Sep	210.00	90.00	20.00	120.00	60.00	-	-	-	90.00	-	590.00	0.04				
Mon	35.59	15.25	3.39	20.34	10.17	-	-	-	15.25	-	100.00					
3-Sep	120.00	180.00	40.00	60.00	30.00	-	-	-	-	-	430.00	0.03				
Tue	27.91	41.86	9.30	13.95	6.98	-	-	-	-	-	100.00					
Total	1,660.00	1,440.00	120.00	510.00	570.00	90.00	130.00	90.00	190.00	40.00	4,840.00	0.05				
Week	34.30	29.74	2.48	10.53	11.78	1.86	2.69	1.86	3.92	0.85	100.00					

(Unit : g)

Table 2-16 Results of Waste Composition Survey (Wet Base) in Chinandega in Rainy Season (Discharge Source : Institution)

Date	Item	Physical Composition											Total	Apparent Specific Gravity	
		Kitchen Waste		Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
		g	%												
28-Aug	g	40.00		240.00	-	30.00	-	-	-	-	-	-	-	310.00	0.03
Wed	%	12.90		77.42	-	9.68	-	-	-	-	-	-	-	100.00	
29-Aug	g	30.00		240.00	-	30.00	30.00	30.00	30.00	-	30.00	-	-	360.00	0.02
Thu	%	8.33		66.67	-	8.33	8.33	8.33	8.33	-	8.33	-	-	100.00	
30-Aug	g	180.00		210.00	-	30.00	-	30.00	30.00	30.00	30.00	-	-	480.00	0.06
Fri	%	37.50		43.75	-	6.25	-	6.25	6.25	6.25	6.25	-	-	100.00	
31-Aug	g	150.00		820.00	30.00	90.00	-	20.00	40.00	40.00	40.00	-	-	1,150.00	0.06
Sat	%	13.04		71.30	2.61	7.83	-	1.74	3.48	3.48	3.48	-	-	100.00	
1-Sep	g	30.00		360.00	60.00	40.00	30.00	-	60.00	60.00	60.00	-	-	580.00	0.04
Sun	%	5.17		62.07	10.34	6.90	5.17	-	10.34	10.34	10.34	-	-	100.00	
2-Sep	g	-		330.00	-	60.00	-	-	-	-	-	-	-	390.00	0.03
Mon	%	-		84.62	-	15.38	-	-	-	-	-	-	-	100.00	
3-Sep	g	30.00		210.00	-	90.00	-	-	40.00	40.00	40.00	-	-	370.00	0.02
Tue	%	8.11		56.76	-	24.32	-	-	10.81	10.81	10.81	-	-	100.00	
Total	g	460.00		2,410.00	90.00	370.00	60.00	50.00	200.00	200.00	200.00	-	-	3,640.00	0.04
Week	%	12.64		66.21	2.47	10.16	1.65	1.37	5.50	5.50	5.50	-	-	100.00	

(Unit : g)

Table 2-17 Results of Waste Composition Survey (Wet Base) in Chinandega in Rainy Season (Discharge Source : Market)

Date	Item	Physical Composition													Apparent Specific Gravity		
		Kitchen Waste		Paper	Textile	Plastic	Grass	Leather	Metal	Glass	Ceramic	Other	Total				
		g	%				Wood	Rubber			Stone						
28-Aug	g	1,410.00		240.00	-	60.00	2,180.00	-	30.00	30.00	210.00	210.00	210.00	210.00	210.00	4,370.00	0.44
Wed	%	32.27		5.49	-	1.37	49.89	-	0.69	0.69	4.81	4.81	4.81	4.81	4.81	100.00	
29-Aug	g	940.00		470.00	30.00	330.00	2,590.00	-	90.00	-	210.00	210.00	210.00	240.00	240.00	4,900.00	0.27
Thu	%	19.18		9.59	0.61	6.73	52.86	-	1.84	-	4.29	4.29	4.29	4.90	4.90	100.00	
30-Aug	g	1,560.00		560.00	560.00	330.00	2,940.00	30.00	40.00	30.00	210.00	210.00	210.00	30.00	30.00	6,290.00	0.39
Fri	%	24.80		8.90	8.90	5.25	46.74	0.48	0.64	0.48	3.34	3.34	3.34	0.48	0.48	100.00	
31-Aug	g	1,030.00		820.00	30.00	470.00	2,790.00	30.00	60.00	30.00	590.00	590.00	590.00	90.00	90.00	5,940.00	0.37
Sat	%	17.34		13.80	0.51	7.91	46.97	0.51	1.01	0.51	9.93	9.93	9.93	1.52	1.52	100.00	
1-Sep	g	1,410.00		240.00	30.00	210.00	1,880.00	-	40.00	-	120.00	120.00	120.00	240.00	240.00	4,170.00	0.26
Sun	%	33.81		5.76	0.72	5.04	45.08	-	0.96	-	2.88	2.88	2.88	5.76	5.76	100.00	
2-Sep	g	1,060.00		210.00	30.00	90.00	1,030.00	-	30.00	40.00	180.00	180.00	180.00	150.00	150.00	2,820.00	0.35
Mon	%	37.59		7.45	1.06	3.19	36.52	-	1.06	1.42	6.38	6.38	6.38	5.32	5.32	100.00	
3-Sep	g	760.00		1,110.00	30.00	440.00	2,120.00	-	30.00	30.00	90.00	90.00	90.00	30.00	30.00	4,640.00	0.33
Tue	%	16.38		23.92	0.65	9.48	45.69	-	0.65	0.65	1.94	1.94	1.94	0.65	0.65	100.00	
Total	g	8,170.00		3,650.00	710.00	1,930.00	15,530.00	60.00	320.00	160.00	1,610.00	1,610.00	1,610.00	990.00	990.00	33,130.00	0.34
Week	%	24.65		11.02	2.14	5.83	46.88	0.18	0.97	0.48	4.86	4.86	4.86	2.99	2.99	100.00	

(Unit : g)

Table 2-18 Results of Waste Composition Survey (Wet Base) in Granada in Rainy Season (Discharge Source : Household Waste-High Income)

Date	Item	Physical Composition											Total	Apparent Specific Gravity		
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other					
13-Sep	g	1,880.00	470.00	30.00	120.00	90.00	-	30.00	180.00	-	-	-	-	-	2,800.00	0.25
Fri	%	67.14	16.79	1.07	4.29	3.21	-	1.07	6.43	-	-	-	-	-	100.00	
14-Sep	g	1,330.00	380.00	240.00	30.00	150.00	-	30.00	20.00	270.00	30.00	30.00	2,480.00	0.21		
Sat	%	53.63	15.32	9.68	1.21	6.05	-	1.21	0.81	10.89	1.21	1.21	100.00			
15-Sep	g	2,000.00	330.00	60.00	150.00	120.00	-	60.00	-	150.00	-	-	2,870.00	0.24		
Sun	%	69.69	11.50	2.09	5.23	4.18	-	2.09	-	5.23	-	-	100.00			
16-Sep	g	1,380.00	210.00	240.00	240.00	20.00	-	20.00	-	20.00	30.00	30.00	2,160.00	0.20		
Mon	%	63.89	9.72	11.11	11.11	0.93	-	0.93	-	0.93	1.39	1.39	100.00			
17-Sep	g	2,120.00	270.00	30.00	240.00	90.00	-	20.00	30.00	90.00	60.00	60.00	2,950.00	0.25		
Tue	%	71.86	9.15	1.02	8.14	3.05	-	0.68	1.02	3.05	2.03	2.03	100.00			
18-Sep	g	1,590.00	500.00	60.00	90.00	90.00	-	60.00	60.00	-	30.00	30.00	2,480.00	0.25		
Wed	%	64.11	20.16	2.42	3.63	3.63	-	2.42	2.42	0.00	1.21	1.21	100.00			
19-Sep	g	1,620.00	470.00	240.00	150.00	20.00	-	60.00	90.00	20.00	60.00	60.00	2,750.00	0.23		
Thu	%	59.34	17.22	8.79	5.49	0.73	-	2.20	3.30	0.73	2.20	2.20	100.00			
Total	g	11,920.00	2,630.00	900.00	1,020.00	580.00	-	280.00	380.00	550.00	210.00	210.00	18,470.00	0.23		
Week	%	64.53	14.24	4.87	5.52	3.14	-	1.52	2.06	2.98	1.14	1.14	100.00			

Table 2-19 Results of Waste Composition Survey (Wet Base) in Granada in Rainy Season (Discharge Source : Household Waste-Middle Income)

(Unit : g)

Date	Item	Physical Composition											Apparent	
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	Specific Gravity	
13-Sep	g	1,530.00	300.00	180.00	240.00	1,140.00	90.00	60.00	30.00	240.00	30.00	30.00	3,840.00	0.27
Fri	%	39.84	7.81	4.69	6.25	29.69	2.34	1.56	0.78	6.25	0.78	0.78	100.00	
14-Sep	g	970.00	150.00	90.00	180.00	760.00	-	30.00	-	90.00	60.00	2,330.00	0.17	
Sat	%	41.63	6.44	3.86	7.73	32.62	-	1.29	-	3.86	2.58	100.00		
15-Sep	g	560.00	240.00	20.00	120.00	360.00	-	-	30.00	-	-	1,330.00	0.15	
Sun	%	42.11	18.05	1.50	9.02	27.07	-	-	2.26	-	-	100.00		
16-Sep	g	240.00	210.00	60.00	210.00	240.00	-	60.00	60.00	60.00	20.00	1,160.00	0.08	
Mon	%	20.69	18.10	5.17	18.10	20.69	-	5.17	5.17	5.17	1.72	100.00		
17-Sep	g	470.00	120.00	120.00	30.00	470.00	-	-	30.00	30.00	30.00	1,300.00	0.12	
Tue	%	36.15	9.23	9.23	2.31	36.15	-	-	2.31	2.31	2.31	100.00		
18-Sep	g	440.00	150.00	60.00	60.00	90.00	-	20.00	-	30.00	30.00	880.00	0.09	
Wed	%	50.00	17.05	6.82	6.82	10.23	-	2.27	-	3.41	3.41	100.00		
19-Sep	g	650.00	120.00	20.00	120.00	210.00	20.00	60.00	-	20.00	20.00	1,240.00	0.14	
Thu	%	52.42	9.68	1.61	9.68	16.94	1.61	4.84	-	1.61	1.61	100.00		
Total	g	4,860.00	1,290.00	550.00	960.00	3,270.00	110.00	230.00	150.00	470.00	190.00	12,080.00	0.15	
Week	%	40.24	10.68	4.55	7.95	27.07	0.91	1.90	1.24	3.89	1.57	100.00		



(Unit : g)

Table 2-20 Results of Waste Composition Survey (Wet Base) in Granada in Rainy Season (Discharge Source : Household Waste-Low Income)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
13-Sep	g	560.00	20.00	-	20.00	410.00	-	-	30.00	530.00	90.00	1,660.00	0.21	
Fri	%	33.73	1.20	-	1.20	24.70	-	-	1.81	31.93	5.42	100.00		
14-Sep	g	910.00	20.00	20.00	60.00	820.00	-	30.00	-	410.00	150.00	2,420.00	0.20	
Sat	%	37.60	0.83	0.83	2.48	33.88	-	1.24	-	16.94	6.20	100.00		
15-Sep	g	1,770.00	20.00	-	60.00	1,330.00	-	20.00	20.00	120.00	470.00	3,810.00	0.29	
Sun	%	46.46	0.52	-	1.57	34.91	-	0.52	0.52	3.15	12.34	100.00		
16-Sep	g	1,030.00	20.00	30.00	60.00	620.00	-	20.00	-	180.00	210.00	2,170.00	0.24	
Mon	%	47.47	0.92	1.38	2.76	28.57	-	0.92	-	8.29	9.68	100.00		
17-Sep	g	940.00	90.00	20.00	60.00	730.00	20.00	60.00	-	180.00	120.00	2,220.00	0.20	
Tue	%	42.34	4.05	0.90	2.70	32.88	0.90	2.70	-	8.11	5.41	100.00		
18-Sep	g	1,060.00	20.00	-	30.00	700.00	-	-	-	60.00	30.00	1,900.00	0.16	
Wed	%	55.79	1.05	-	1.58	36.84	-	-	-	3.16	1.58	100.00		
19-Sep	g	820.00	20.00	-	30.00	620.00	-	20.00	-	120.00	90.00	1,720.00	0.22	
Thu	%	47.67	1.16	-	1.74	36.05	-	1.16	-	6.98	5.23	100.00		
Total	g	7,090.00	210.00	70.00	320.00	5,230.00	20.00	150.00	50.00	1,600.00	1,160.00	15,900.00	0.22	
Week	%	44.60	1.32	0.44	2.01	32.89	0.13	0.94	0.31	10.06	7.30	100.00		

Table 2-21 Results of Waste Composition Survey (Wet Basis) in Granada in Rainy Season (Discharge Source : Commercial Area-Restaurant)

(Unit : g)

Item	Physical Composition											Apparent Specific Gravity		
	Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total			
13-Sep	g	2,290.00	240.00	-	60.00	270.00	-	120.00	20.00	90.00	20.00	20.00	3,110.00	0.35
Fri	%	73.63	7.72	-	1.93	8.68	-	3.86	0.64	2.89	0.64	0.64	100.00	
14-Sep	g	4,620.00	440.00	-	120.00	210.00	-	60.00	-	30.00	20.00	20.00	5,500.00	0.46
Sat	%	84.00	8.00	-	2.18	3.82	-	1.09	-	0.55	0.36	0.36	100.00	
15-Sep	g	3,730.00	270.00	120.00	90.00	1,110.00	-	60.00	-	440.00	20.00	20.00	5,840.00	0.42
Sun	%	63.87	4.62	2.05	1.54	19.01	-	1.03	-	7.53	0.34	0.34	100.00	
16-Sep	g	4,410.00	440.00	20.00	150.00	90.00	-	120.00	60.00	90.00	20.00	20.00	5,400.00	0.54
Mon	%	81.67	8.15	0.37	2.78	1.67	-	2.22	1.11	1.67	0.37	0.37	100.00	
17-Sep	g	1,970.00	270.00	-	120.00	270.00	-	30.00	-	60.00	60.00	60.00	2,780.00	0.25
Tue	%	70.86	9.71	-	4.32	9.71	-	1.08	-	2.16	2.16	2.16	100.00	
18-Sep	g	2,030.00	150.00	20.00	60.00	210.00	-	60.00	20.00	90.00	20.00	20.00	2,660.00	0.33
Wed	%	76.32	5.64	0.75	2.26	7.89	-	2.26	0.75	3.38	0.75	0.75	100.00	
19-Sep	g	1,470.00	210.00	-	60.00	270.00	-	20.00	-	120.00	20.00	20.00	2,170.00	0.22
Thu	%	67.74	9.68	-	2.76	12.44	-	0.92	-	5.53	0.92	0.92	100.00	
Total	g	20,520.00	2,020.00	160.00	660.00	2,430.00	-	470.00	100.00	920.00	180.00	180.00	27,460.00	0.36
Week	%	74.73	7.36	0.58	2.40	8.85	-	1.71	0.36	3.35	0.66	0.66	100.00	

(Unit : g)

Table 2-22 Results of Waste Composition Survey (Wet Base) in Granada in Rainy Season (Discharge Source : Commercial Area-Other Shops)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass	Leather	Metal	Glass	Ceramic	Other	Stone		
13-Sep	g	240.00	270.00	90.00	90.00	60.00	30.00	60.00	30.00	-	20.00	890.00	0.07	
13-Sep	%	26.97	30.34	10.11	10.11	6.74	3.37	6.74	3.37	-	2.25	100.00		
14-Sep	g	300.00	240.00	20.00	120.00	90.00	-	20.00	530.00	60.00	20.00	1,400.00	0.12	
14-Sep	%	21.43	17.14	1.43	8.57	6.43	-	1.43	37.86	4.29	1.43	100.00		
15-Sep	g	330.00	270.00	20.00	210.00	120.00	-	150.00	90.00	-	30.00	1,220.00	0.09	
15-Sep	%	27.05	22.13	1.64	17.21	9.84	-	12.30	7.38	-	2.46	100.00		
16-Sep	g	90.00	210.00	20.00	90.00	90.00	-	90.00	-	20.00	60.00	670.00	0.07	
16-Sep	%	13.43	31.34	2.99	13.43	13.43	-	13.43	-	2.99	8.96	100.00		
17-Sep	g	60.00	380.00	-	60.00	30.00	-	60.00	30.00	-	20.00	640.00	0.04	
17-Sep	%	9.38	59.38	-	9.38	4.69	-	9.38	4.69	-	3.13	100.00		
18-Sep	g	60.00	270.00	20.00	30.00	30.00	-	60.00	-	-	30.00	500.00	0.03	
18-Sep	%	12.00	54.00	4.00	6.00	6.00	-	12.00	-	-	6.00	100.00		
19-Sep	g	120.00	240.00	-	30.00	-	20.00	20.00	-	-	20.00	450.00	0.04	
19-Sep	%	26.67	53.33	-	6.67	-	4.44	4.44	-	-	4.44	100.00		
Total	g	1,200.00	1,880.00	170.00	630.00	420.00	50.00	460.00	680.00	80.00	200.00	5,770.00	0.07	
Week	%	20.79	32.57	2.95	10.92	7.28	0.87	7.97	11.79	1.39	3.47	100.00		

Table 2-23 Results of Waste Composition Survey (Wet Base) in Granada in Rainy Season (Discharge Source : Institution)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity		
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total			
13-Sep	g	240.00	210.00	60.00	30.00	30.00	-	30.00	-	-	30.00	-	20.00	620.00	0.06
Fri	%	38.71	33.87	9.68	4.84	4.84	-	4.84	-	-	4.84	-	3.23	100.00	
14-Sep	g	60.00	240.00	-	30.00	20.00	20.00	20.00	-	-	20.00	-	60.00	450.00	0.04
Sat	%	13.33	53.33	-	6.67	4.44	4.44	4.44	-	-	4.44	-	13.33	100.00	
15-Sep	g	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16-Sep	g	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mon	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17-Sep	g	300.00	300.00	20.00	30.00	30.00	-	30.00	-	-	30.00	-	-	710.00	0.04
Tue	%	42.25	42.25	2.82	4.23	4.23	-	4.23	-	-	4.23	-	-	100.00	
18-Sep	g	60.00	210.00	-	20.00	-	-	20.00	-	-	20.00	-	20.00	330.00	0.03
Wed	%	18.18	63.64	-	6.06	-	-	6.06	-	-	6.06	-	6.06	100.00	
19-Sep	g	20.00	120.00	-	60.00	20.00	-	-	-	-	-	-	-	220.00	0.02
Thu	%	9.09	54.55	-	27.27	9.09	-	-	-	-	-	-	-	100.00	
Total	g	680.00	1,080.00	80.00	170.00	100.00	20.00	100.00	20.00	20.00	100.00	-	100.00	2,330.00	0.04
Week	%	29.18	46.36	3.43	7.30	4.29	0.86	4.29	0.86	0.86	4.29	-	4.29	100.00	

(Unit : g)

Table 2-24 Results of Waste Composition Survey (Wet Base) in Granada in Rainy Season (Discharge Source : Market)

Date	Item	Physical Composition											Apparent Specific Gravity	
		Kitchen Waste	Paper	Textile	Plastic	Grass	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total		
13-Sep	g	2,620.00	150.00	-	240.00	20.00	1,380.00	30.00	30.00	30.00	90.00	20.00	4,580.00	0.35
Fri	%	57.21	3.28	-	5.24	0.44	30.13	0.66	0.66	0.66	1.97	0.44	100.00	
14-Sep	g	2,590.00	120.00	20.00	150.00	910.00	30.00	60.00	90.00	120.00	120.00	120.00	4,210.00	0.35
Sat	%	61.52	2.85	0.48	3.56	21.62	0.71	1.43	2.14	2.85	2.85	2.85	100.00	
15-Sep	g	4,670.00	240.00	-	150.00	90.00	-	30.00	30.00	90.00	90.00	30.00	5,330.00	0.38
Sun	%	87.62	4.50	-	2.81	1.69	-	0.56	0.56	1.69	1.69	0.56	100.00	
16-Sep	g	3,090.00	120.00	-	180.00	2,090.00	20.00	60.00	20.00	120.00	120.00	90.00	5,790.00	0.48
Mon	%	53.37	2.07	-	3.11	36.10	0.35	1.04	0.35	2.07	2.07	1.55	100.00	
17-Sep	g	4,030.00	240.00	20.00	330.00	120.00	20.00	60.00	20.00	180.00	60.00	60.00	5,080.00	0.51
Tue	%	79.33	4.72	0.39	6.50	2.36	0.39	1.18	0.39	3.54	1.18	1.18	100.00	
18-Sep	g	5,350.00	240.00	-	180.00	60.00	20.00	60.00	20.00	180.00	180.00	60.00	6,170.00	0.51
Wed	%	86.71	3.89	-	2.92	0.97	0.32	0.97	0.32	2.92	2.92	0.97	100.00	
19-Sep	g	5,380.00	210.00	20.00	240.00	240.00	-	60.00	-	90.00	30.00	30.00	6,270.00	0.45
Thu	%	85.81	3.35	0.32	3.83	3.83	-	0.96	-	1.44	0.48	0.48	100.00	
Total	g	27,730.00	1,320.00	60.00	1,470.00	3,530.00	1,470.00	360.00	210.00	870.00	410.00	410.00	37,430.00	0.45
Week	%	74.08	3.53	0.16	3.93	9.43	3.93	0.96	0.56	2.32	1.10	1.10	100.00	

Table 2-25 Results of Waste Composition Survey (Wet Base) in Leon in Dry Season (Discharge Source : Household Waste-High Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity			
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total				
22-Jan	g	3,180.00	470.00	90.00	240.00	90.00	-	180.00	30.00	-	-	-	-	-	4,280.00	0.36
Wed	%	74.30	10.98	2.10	5.61	2.10	-	4.21	0.70	-	-	-	-	-	100.00	
23-Jan	g	1,300.00	150.00	-	470.00	360.00	-	20.00	-	20.00	-	60.00	20.00	60.00	2,380.00	0.24
Thu	%	54.62	6.30	-	19.75	15.13	-	0.84	-	0.84	-	2.52	0.84	2.52	100.00	
24-Jan	g	3,530.00	360.00	30.00	180.00	240.00	-	60.00	-	-	-	-	-	-	4,400.00	0.37
Fri	%	80.23	8.18	0.68	4.09	5.45	-	1.36	-	-	-	-	-	-	100.00	
25-Jan	g	2,290.00	1,060.00	-	180.00	30.00	470.00	30.00	150.00	10.00	30.00	30.00	10.00	30.00	4,250.00	0.24
Sat	%	53.88	24.94	-	4.24	0.71	11.06	0.71	3.53	0.24	0.71	0.71	0.24	0.71	100.00	
26-Jan	g	2,590.00	360.00	180.00	240.00	940.00	-	30.00	60.00	120.00	-	30.00	120.00	30.00	4,550.00	0.28
Sun	%	56.92	7.91	3.96	5.27	20.66	-	0.66	1.32	2.64	-	0.66	2.64	0.66	100.00	
27-Jan	g	4,820.00	380.00	-	150.00	730.00	-	120.00	-	-	-	-	-	-	6,200.00	0.41
Mon	%	77.74	6.13	-	2.42	11.77	-	1.94	-	-	-	-	-	-	100.00	
28-Jan	g	3,290.00	590.00	-	240.00	10.00	650.00	120.00	180.00	20.00	10.00	10.00	20.00	10.00	5,110.00	0.36
Tue	%	64.38	11.55	-	4.70	0.20	12.72	2.35	3.52	0.39	0.20	0.20	0.39	0.20	100.00	
Total	g	21,000.00	3,370.00	300.00	1,700.00	2,400.00	1,120.00	560.00	420.00	170.00	130.00	130.00	170.00	130.00	31,170.00	0.32
Week	%	67.37	10.81	0.96	5.45	7.70	3.59	1.80	1.35	0.55	0.42	0.42	0.55	0.42	100.00	

Table 2-26 Results of Waste Composition Survey (Wet Base) in Leon in Dry Season (Discharge Source : Household Waste-Middle Income)

(Unit : g)

Date	Item	Physical Composition													Apparent Specific Gravity
		Kitchen Waste		Paper	Textile	Plastic	Grass	Leather	Metal	Glass	Ceramic	Other	Total		
		g	%				Wood	Rubber			Stone				
22-Jan	g	1,650.00		180.00	60.00	210.00	2,060.00	30.00	60.00	-	120.00	1,300.00	5,670.00	0.44	
Wed	%	29.10	3.17	3.70	1.06	36.33	0.53	1.06	-	2.12	22.93	100.00			
23-Jan	g	1,880.00		60.00	120.00	270.00	590.00	-	60.00	-	120.00	30.00	3,130.00	0.22	
Thu	%	60.06	1.92	8.63	3.83	18.85	-	1.92	-	-	3.83	0.96	100.00		
24-Jan	g	1,440.00		60.00	-	60.00	560.00	-	-	60.00	30.00	120.00	2,330.00	0.23	
Fri	%	61.80	2.58	2.58	-	24.03	-	-	-	2.58	1.29	5.15	100.00		
25-Jan	g	940.00		470.00	60.00	360.00	10.00	1,770.00	60.00	-	300.00	240.00	4,210.00	0.26	
Sat	%	22.33	11.16	8.55	1.43	0.24	42.04	1.43	-	-	7.13	5.70	100.00		
26-Jan	g	2,120.00		10.00	150.00	180.00	1,410.00	-	30.00	-	240.00	240.00	4,380.00	0.31	
Sun	%	48.40	0.23	4.11	3.42	32.19	-	0.68	-	-	5.48	5.48	100.00		
27-Jan	g	3,410.00		330.00	30.00	700.00	560.00	-	60.00	-	210.00	1,880.00	7,180.00	0.45	
Mon	%	47.49	4.60	9.75	0.42	7.80	-	0.84	-	-	2.92	26.18	100.00		
28-Jan	g	1,410.00		120.00	410.00	180.00	1,060.00	-	120.00	90.00	240.00	120.00	3,750.00	0.12	
Tue	%	37.60	3.20	4.80	10.93	28.27	-	3.20	2.40	6.40	3.20	3.20	100.00		
Total	g	12,850.00		1,230.00	830.00	1,960.00	6,250.00	1,800.00	390.00	150.00	1,260.00	3,930.00	30,650.00	0.29	
Week	%	41.94	4.01	6.39	2.71	20.39	5.87	1.27	0.49	4.11	12.82	12.82	100.00		

Table 2-27 Results of Waste Composition Survey (Wet Base) in Leon in Dry Season (Discharge Source : Household Waste-Low Income)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
22-Jan	g	120.00	180.00	150.00	150.00	1,350.00	-	120.00	-	150.00	1,530.00	3,750.00	0.37	
	%	3.20	4.80	4.00	4.00	36.00	-	3.20	-	4.00	40.80	100.00		
23-Jan	g	1,410.00	60.00	10.00	120.00	2,350.00	10.00	60.00	-	470.00	240.00	4,750.00	0.28	
	%	29.81	1.27	0.21	2.54	49.68	0.21	1.27	-	9.94	5.07	100.00		
24-Jan	g	270.00	60.00	180.00	210.00	1,030.00	-	150.00	30.00	760.00	2,180.00	4,870.00	0.35	
	%	5.54	1.23	3.70	4.31	21.15	-	3.08	0.62	15.61	44.76	100.00		
25-Jan	g	1,060.00	90.00	-	150.00	150.00	10.00	-	300.00	-	360.00	2,120.00	0.27	
	%	50.00	4.25	-	7.08	7.08	0.47	-	14.15	-	16.98	100.00		
26-Jan	g	530.00	90.00	30.00	360.00	1,650.00	10.00	60.00	-	90.00	1,060.00	3,880.00	0.24	
	%	13.66	2.32	0.77	9.28	42.53	0.26	1.55	-	2.32	27.32	100.00		
27-Jan	g	560.00	90.00	-	60.00	1,530.00	90.00	30.00	120.00	120.00	1,440.00	4,040.00	0.34	
	%	13.86	2.23	-	1.49	37.87	2.23	0.74	2.97	2.97	35.64	100.00		
28-Jan	g	650.00	90.00	410.00	120.00	-	210.00	120.00	10.00	240.00	940.00	2,790.00	0.14	
	%	23.30	3.23	14.70	4.30	-	7.53	4.30	0.36	8.60	33.69	100.00		
Total	g	4,600.00	660.00	780.00	1,170.00	8,060.00	330.00	540.00	460.00	1,830.00	7,750.00	26,180.00	0.28	
Week	%	17.57	2.52	2.98	4.47	30.79	1.26	2.06	1.76	6.99	29.60	100.00		



Table 2-28 Results of Waste Composition Survey (Wet Base) in Leon in Dry Season (Discharge Source : Commercial Area-Restaurant)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity	
		Kitchen Waste	Paper	Textile	Plastic	Grass	Leather	Metal	Glass	Ceramic	Other	Total		
						Wood	Rubber		Stone					
22-Jan	g	7,320.00	470.00	30.00	180.00	60.00	-	150.00	360.00	10.00	10.00	10.00	8,590.00	0.48
Wed	%	85.22	5.47	0.35	2.10	0.70	-	1.75	4.19	0.12	0.12	0.12	100.00	
23-Jan	g	7,520.00	300.00	30.00	240.00	30.00	-	60.00	240.00	-	30.00	30.00	8,450.00	0.50
Thu	%	88.99	3.55	0.36	2.84	0.36	-	0.71	2.84	-	0.36	0.36	100.00	
24-Jan	g	4,760.00	240.00	60.00	120.00	150.00	-	270.00	240.00	60.00	60.00	60.00	5,960.00	0.53
Fri	%	79.87	4.03	1.01	2.01	2.52	-	4.53	4.03	1.01	1.01	1.01	100.00	
25-Jan	g	9,640.00	390.00	30.00	270.00	60.00	30.00	330.00	120.00	60.00	30.00	30.00	10,960.00	0.60
Sat	%	87.96	3.56	0.27	2.46	0.55	0.27	3.01	1.09	0.55	0.27	0.27	100.00	
26-Jan	g	10,170.00	360.00	90.00	210.00	30.00	-	470.00	90.00	90.00	30.00	30.00	11,540.00	0.64
Sun	%	88.13	3.12	0.78	1.82	0.26	-	4.07	0.78	0.78	0.26	0.26	100.00	
27-Jan	g	7,700.00	270.00	10.00	300.00	90.00	-	60.00	270.00	-	30.00	30.00	8,730.00	0.48
Mon	%	88.20	3.09	0.11	3.44	1.03	-	0.69	3.09	-	0.34	0.34	100.00	
28-Jan	g	8,290.00	360.00	240.00	240.00	30.00	-	240.00	90.00	30.00	60.00	60.00	9,580.00	0.53
Tue	%	86.53	3.76	2.51	2.51	0.31	-	2.51	0.94	0.31	0.63	0.63	100.00	
Total	g	55,400.00	2,390.00	490.00	1,560.00	450.00	30.00	1,580.00	1,410.00	250.00	250.00	250.00	63,810.00	0.51
Week	%	86.81	3.75	0.77	2.44	0.71	0.05	2.48	2.21	0.39	0.39	0.39	100.00	

Table 2-29 Results of Waste Composition Survey (Wet Base) in Leon in Dry Season (Discharge Source : Commercial Area-Other Shops)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
22-Jan	g	940.00	210.00	120.00	300.00	1,410.00	360.00	30.00	10.00	30.00	90.00	3,500.00	0.22	
Wed	%	26.86	6.00	3.43	8.57	40.29	10.29	0.86	0.29	0.86	2.57	100.00		
23-Jan	g	350.00	970.00	60.00	60.00	60.00	180.00	30.00	-	10.00	-	1,720.00	0.10	
Thu	%	20.35	56.40	3.49	3.49	3.49	10.47	1.74	-	0.58	-	100.00		
24-Jan	g	210.00	1,030.00	90.00	30.00	760.00	560.00	240.00	-	60.00	150.00	3,130.00	0.17	
Fri	%	6.71	32.91	2.88	0.96	24.28	17.89	7.67	-	1.92	4.79	100.00		
25-Jan	g	240.00	880.00	30.00	210.00	90.00	60.00	60.00	30.00	60.00	-	1,660.00	0.09	
Sat	%	14.46	53.01	1.81	12.65	5.42	3.61	3.61	1.81	3.61	-	100.00		
26-Jan	g	880.00	760.00	30.00	240.00	820.00	120.00	30.00	60.00	10.00	240.00	3,190.00	0.18	
Sun	%	27.59	23.82	0.94	7.52	25.71	3.76	0.94	1.88	0.31	7.52	100.00		
27-Jan	g	440.00	760.00	60.00	210.00	120.00	210.00	30.00	-	60.00	270.00	2,160.00	0.12	
Mon	%	20.37	35.19	2.78	9.72	5.56	9.72	1.39	-	2.78	12.50	100.00		
28-Jan	g	710.00	650.00	90.00	30.00	240.00	90.00	60.00	-	-	30.00	1,900.00	0.14	
Tue	%	37.37	34.21	4.74	1.58	12.63	4.74	3.16	-	-	1.58	100.00		
Total	g	3,770.00	5,260.00	480.00	1,080.00	3,500.00	1,580.00	480.00	100.00	230.00	780.00	17,260.00	0.15	
Week	%	21.84	30.48	2.78	6.26	20.28	9.15	2.78	0.58	1.33	4.52	100.00		

Table 2-30 Results of Waste Composition Survey (Wet Base) in Leon in Dry Season (Discharge Source : Institution)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity		
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other					
22-Jan	g	150.00	500.00	-	30.00	-	10.00	10.00	-	-	-	-	-	-	700.00	0.05
	%	21.43	71.43	-	4.29	-	1.43	1.43	-	-	-	-	-	-	100.00	
23-Jan	g	60.00	470.00	-	90.00	60.00	-	30.00	30.00	20.00	10.00	10.00	10.00	770.00	0.04	
	%	7.79	61.04	-	11.69	7.79	-	3.90	3.90	2.60	1.30	1.30	1.30	100.00		
24-Jan	g	680.00	700.00	30.00	440.00	60.00	-	90.00	-	-	-	-	30.00	2,030.00	0.14	
	%	33.50	34.48	1.48	21.67	2.96	-	4.43	-	-	-	-	1.48	100.00		
25-Jan	g	180.00	360.00	-	120.00	90.00	-	-	-	10.00	-	-	30.00	790.00	0.05	
	%	22.78	45.57	-	15.19	11.39	-	-	-	1.27	-	-	3.80	100.00		
26-Jan	g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27-Jan	g	360.00	2,090.00	150.00	150.00	10.00	-	10.00	-	-	-	10.00	10.00	2,780.00	0.16	
	%	12.95	75.18	5.40	5.40	0.36	-	0.36	-	-	-	0.36	0.36	100.00		
28-Jan	g	180.00	440.00	30.00	120.00	10.00	-	-	-	-	-	-	-	780.00	0.05	
	%	23.08	56.41	3.85	15.38	1.28	-	-	-	-	-	-	-	100.00		
Total	g	1,610.00	4,560.00	210.00	950.00	230.00	10.00	140.00	30.00	30.00	30.00	80.00	80.00	7,850.00	0.08	
	%	20.51	58.09	2.68	12.10	2.93	0.13	1.78	0.38	0.38	0.38	1.02	1.02	100.00		

Table 2-31 Results of Waste Composition Survey (Wet Base) in Leon in Dry Season (Discharge Source : Market)

(Unit : g)

Item	Physical Composition													Apparent Specific Gravity
	Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total			
22-Jan	g	2,320.00	270.00	240.00	590.00	1,080.00	120.00	120.00	150.00	530.00	2,120.00	7,540.00	0.42	
Wed	%	30.77	3.58	3.18	7.82	14.32	1.59	1.59	1.99	7.03	28.12	100.00		
23-Jan	g	2,240.00	590.00	1,880.00	300.00	1,770.00	-	60.00	-	90.00	60.00	6,990.00	0.39	
Thu	%	32.05	8.44	26.90	4.29	25.32	-	0.86	-	1.29	0.86	100.00		
24-Jan	g	2,650.00	360.00	120.00	410.00	2,120.00	30.00	60.00	-	150.00	90.00	5,990.00	0.37	
Fri	%	44.24	6.01	2.00	6.84	35.39	0.50	1.00	-	2.50	1.50	100.00		
25-Jan	g	2,710.00	500.00	360.00	500.00	2,000.00	10.00	60.00	30.00	210.00	90.00	6,470.00	0.38	
Sat	%	41.89	7.73	5.56	7.73	30.91	0.15	0.93	0.46	3.25	1.39	100.00		
26-Jan	g	2,820.00	470.00	120.00	390.00	1,680.00	10.00	60.00	30.00	120.00	90.00	5,790.00	0.52	
Sun	%	48.70	8.12	2.07	6.74	29.02	0.17	1.04	0.52	2.07	1.55	100.00		
27-Jan	g	3,260.00	330.00	90.00	410.00	90.00	-	60.00	60.00	30.00	30.00	4,360.00	0.26	
Mon	%	74.77	7.57	2.06	9.40	2.06	-	1.38	1.38	0.69	0.69	100.00		
28-Jan	g	1,880.00	210.00	120.00	360.00	360.00	30.00	-	-	30.00	30.00	3,020.00	0.22	
Tue	%	62.25	6.95	3.97	11.92	11.92	0.99	-	-	0.99	0.99	100.00		
Total	g	17,880.00	2,730.00	2,930.00	2,960.00	9,100.00	200.00	420.00	270.00	1,160.00	2,510.00	40,160.00	0.34	
Week	%	44.51	6.80	7.30	7.37	22.66	0.50	1.05	0.67	2.89	6.25	100.00		

Table 2-32 Results of Waste Composition Survey (Wet Base) in Chinandega in Dry Season (Discharge Source : Household Waste-High Income)  
(Unit : g)

Item	Date	Physical Composition											Apparent Specific Gravity				
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total					
	21-Jan	g	2,820.00	20.00	10.00	210.00	-	180.00	-	-	-	-	-	-	-	3,240.00	0.27
	Tue	%	87.04	0.62	0.31	6.48	-	5.56	-	-	-	-	-	-	-	100.00	
	22-Jan	g	2,600.00	240.00	10.00	180.00	20.00	90.00	90.00	-	-	-	-	-	-	3,230.00	0.20
	Wed	%	80.50	7.43	0.31	5.57	0.62	2.79	2.79	-	-	-	-	-	-	100.00	
	23-Jan	g	4,350.00	210.00	10.00	180.00	240.00	120.00	10.00	360.00	60.00	1.08	1.08	1.08	1.08	5,540.00	0.46
	Thu	%	78.52	3.79	0.18	3.25	4.33	2.17	0.18	6.50	1.08	1.08	1.08	1.08	1.08	100.00	
	24-Jan	g	2,970.00	410.00	20.00	90.00	60.00	60.00	240.00	-	-	-	-	-	-	3,910.00	0.24
	Fri	%	75.96	10.49	0.51	2.30	1.53	1.53	6.14	-	-	-	-	-	-	100.00	
	25-Jan	g	2,350.00	60.00	-	210.00	-	150.00	730.00	-	-	20.00	20.00	20.00	20.00	3,520.00	0.25
	Sat	%	66.76	1.70	-	5.97	-	4.26	20.74	-	-	0.57	0.57	0.57	100.00		
	26-Jan	g	1,350.00	150.00	-	120.00	30.00	150.00	90.00	-	-	-	-	-	-	1,890.00	0.14
	Sun	%	71.43	7.94	-	6.35	1.59	7.94	4.76	-	-	-	-	-	-	100.00	
	27-Jan	g	1,560.00	270.00	-	210.00	20.00	120.00	30.00	-	-	-	-	-	-	2,210.00	0.14
	Mon	%	70.59	12.22	-	9.50	0.90	5.43	1.36	-	-	-	-	-	-	100.00	
	Total	g	18,000.00	1,360.00	50.00	1,200.00	370.00	870.00	1,190.00	360.00	80.00	80.00	80.00	80.00	80.00	23,540.00	0.24
	Week	%	76.46	5.78	0.21	5.10	1.57	3.70	5.06	1.53	0.34	0.34	0.34	0.34	100.00		

Table 2-33 Results of Waste Composition Survey (Wet Base) in Chinandega in Dry Season (Discharge Source : Household Waste-Middle Income)

(Unit : g)

Date	Item	Physical Composition													Apparent Specific Gravity
		Physical Composition													
		Kitchen Waste	Paper	Textile	Plastic	Grass	Leather	Metal	Glass	Ceramic	Other	Total			
				Wood	Rubber			Stone							
21-Jan	g	620.00	20.00	10.00	60.00	560.00	-	150.00	-	150.00	20.00	1,590.00	0.13		
	%	38.99	1.26	0.63	3.77	35.22	-	9.43	-	9.43	1.26	100.00			
22-Jan	g	1,110.00	30.00	90.00	120.00	590.00	-	-	10.00	180.00	180.00	2,310.00	0.17		
	%	48.05	1.30	3.90	5.19	25.54	-	-	0.43	7.79	7.79	100.00			
23-Jan	g	850.00	60.00	10.00	120.00	590.00	-	60.00	210.00	330.00	210.00	2,440.00	0.20		
	%	34.84	2.46	0.41	4.92	24.18	-	2.46	8.61	13.52	8.61	100.00			
24-Jan	g	1,850.00	10.00	10.00	60.00	380.00	10.00	-	10.00	90.00	90.00	2,510.00	0.14		
	%	73.71	0.40	0.40	2.39	15.14	0.40	-	0.40	3.59	3.59	100.00			
25-Jan	g	760.00	10.00	-	30.00	790.00	-	10.00	-	120.00	-	1,720.00	0.11		
	%	44.19	0.58	-	1.74	45.93	-	0.58	-	6.98	-	100.00			
26-Jan	g	1,210.00	10.00	10.00	-	680.00	-	30.00	-	120.00	60.00	2,120.00	0.18		
	%	57.08	0.47	0.47	-	32.08	-	1.42	-	5.66	2.83	100.00			
27-Jan	g	970.00	10.00	-	60.00	330.00	-	90.00	-	60.00	30.00	1,550.00	0.12		
	%	62.58	0.65	-	3.87	21.29	-	5.81	-	3.87	1.94	100.00			
Total	g	7,370.00	150.00	130.00	450.00	3,920.00	10.00	340.00	250.00	1,050.00	590.00	14,240.00	0.15		
Week	%	51.76	1.05	0.91	3.16	27.53	0.07	2.39	1.62	7.37	4.14	100.00			

Table 2-34 Results of Waste Composition Survey (Wet Base) in Chinandega in Dry Season (Discharge Source : Household Waste-Low Income)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
		g	g	g	g	g	g	g	g	g	g	g		
21-Jan	g	240.00	-	10.00	60.00	730.00	10.00	10.00	-	150.00	60.00	1,270.00	0.10	
	%	18.90	-	0.79	4.72	57.48	0.79	0.79	-	11.81	4.72	100.00		
22-Jan	g	470.00	10.00	10.00	60.00	1,170.00	-	-	120.00	210.00	210.00	2,260.00	0.14	
	%	20.80	0.44	0.44	2.65	51.77	-	-	5.31	9.29	9.29	100.00		
23-Jan	g	910.00	30.00	120.00	30.00	1,300.00	-	-	10.00	440.00	240.00	3,080.00	0.26	
	%	29.55	0.97	3.90	0.97	42.21	-	-	0.32	14.29	7.79	100.00		
24-Jan	g	1,410.00	30.00	10.00	10.00	680.00	10.00	10.00	-	120.00	150.00	2,430.00	0.17	
	%	58.02	1.23	0.41	0.41	27.98	0.41	0.41	-	4.94	6.17	100.00		
25-Jan	g	1,110.00	20.00	-	10.00	1,170.00	-	10.00	10.00	300.00	700.00	3,330.00	0.21	
	%	33.33	0.60	-	0.30	35.14	-	0.30	0.30	9.01	21.02	100.00		
26-Jan	g	370.00	10.00	30.00	10.00	740.00	-	10.00	-	90.00	440.00	1,700.00	0.16	
	%	21.76	0.59	1.76	0.59	43.53	-	0.59	-	5.29	25.88	100.00		
27-Jan	g	270.00	10.00	10.00	10.00	940.00	10.00	60.00	-	90.00	30.00	1,430.00	0.14	
	%	18.88	0.70	0.70	0.70	65.73	0.70	4.20	-	6.29	2.10	100.00		
Total	g	4,780.00	110.00	190.00	190.00	6,730.00	30.00	100.00	140.00	1,400.00	1,830.00	15,500.00	0.17	
Week	%	30.84	0.71	1.23	1.23	43.41	0.19	0.65	0.90	9.03	11.81	100.00		

Table 2-35 Results of Waste Composition Survey (Wet Base) in Chinandega in Dry Season (Discharge Source : Commercial Area-Restaurant)

(Unit : g)

Date	Item	Physical Composition											Apparent	
		Kitchen Waste	Paper	Textile	Plastic	Grass	Leather	Metal	Glass	Ceramic	Other	Total	Specific Gravity	
21-Jan	g	1,210.00	30.00	10.00	90.00	470.00	-	10.00	10.00	-	-	1,830.00	0.24	
Tue	%	66.12	1.64	0.55	4.92	25.68	-	0.55	0.55	-	-	100.00		
22-Jan	g	1,410.00	30.00	-	30.00	270.00	-	-	10.00	-	10.00	1,760.00	0.28	
Wed	%	80.11	1.70	-	1.70	15.34	-	-	0.57	-	0.57	100.00		
23-Jan	g	1,060.00	60.00	30.00	60.00	470.00	-	150.00	-	-	60.00	1,890.00	0.24	
Thu	%	56.08	3.17	1.59	3.17	24.87	-	7.94	-	-	3.17	100.00		
24-Jan	g	4,700.00	150.00	-	30.00	150.00	-	60.00	180.00	-	-	5,270.00	0.34	
Fri	%	89.18	2.85	-	0.57	2.85	-	1.14	3.42	-	-	100.00		
25-Jan	g	2,000.00	50.00	30.00	30.00	120.00	-	10.00	30.00	-	10.00	2,260.00	0.36	
Sat	%	88.50	1.33	1.33	1.33	5.31	-	0.44	1.33	-	0.44	100.00		
26-Jan	g	2,090.00	240.00	-	30.00	410.00	-	30.00	90.00	-	10.00	2,900.00	0.23	
Sun	%	72.07	8.28	-	1.03	14.14	-	1.03	3.10	-	0.34	100.00		
27-Jan	g	1,210.00	10.00	-	90.00	650.00	-	30.00	-	30.00	60.00	2,080.00	0.26	
Mon	%	58.17	0.48	-	4.33	31.25	-	1.44	-	1.44	2.88	100.00		
Total	g	13,680.00	550.00	70.00	360.00	2,540.00	-	290.00	320.00	30.00	150.00	17,990.00	0.28	
Week	%	76.04	3.06	0.39	2.00	14.12	-	1.61	1.78	0.17	0.83	100.00		



Table 2-36 Results of Waste Composition Survey (Wet Base) in Chinandega in Dry Season (Discharge Source : Commercial Area-Other Shops)  
(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity	
		Kitchen Waste		Paper	Textile	Plastic	Grass	Leather	Metal	Glass	Ceramic	Other			
		g	%				Wood	Rubber			Stone				
21-Jan	g	10.00		150.00	-	210.00	10.00	-	-	10.00	-	-	-	540.00	0.03
Tuc	%	1.85		27.78	-	38.89	1.85	-	-	1.85	-	-	-	100.00	
22-Jan	g	180.00		180.00	20.00	10.00	10.00	-	-	-	-	-	-	490.00	0.03
Wed	%	36.73		36.73	4.08	2.04	2.04	-	-	-	-	-	-	100.00	
23-Jan	g	10.00		210.00	60.00	-	-	-	-	-	-	-	-	370.00	0.02
Thu	%	2.70		56.76	16.22	-	-	-	-	-	-	-	-	100.00	
24-Jan	g	300.00		240.00	120.00	30.00	-	30.00	30.00	30.00	-	-	-	870.00	0.05
Fri	%	34.48		27.59	13.79	3.45	-	3.45	3.45	3.45	-	-	-	100.00	
25-Jan	g	680.00		270.00	30.00	240.00	10.00	10.00	10.00	-	10.00	10.00	10.00	1,350.00	0.08
Sat	%	50.37		20.00	2.22	17.78	0.74	0.74	0.74	-	0.74	0.74	0.74	100.00	
26-Jan	g	10.00		180.00	30.00	-	-	10.00	-	-	-	-	-	260.00	0.02
Sun	%	3.85		69.23	11.54	-	-	3.85	-	-	-	-	-	100.00	
27-Jan	g	300.00		410.00	30.00	180.00	-	30.00	10.00	10.00	-	-	10.00	1,090.00	0.06
Mon	%	27.52		37.61	2.75	16.51	-	2.75	0.92	0.92	-	-	0.92	100.00	
Total	g	1,490.00		1,640.00	290.00	670.00	30.00	80.00	50.00	50.00	10.00	10.00	20.00	4,970.00	0.04
Week	%	29.98		33.00	5.84	13.48	0.60	1.61	1.01	1.01	0.20	0.20	0.40	100.00	

Table 2-37 Results of Waste Composition Survey (Wet Base) in Chinandega in Dry Season (Discharge Source : Institution)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity			
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total				
21-Jan	g	90.00	730.00	-	90.00	-	10.00	10.00	-	-	-	-	-	-	930.00	0.06
	%	9.68	78.49	-	9.68	-	1.08	1.08	-	-	-	-	-	-	100.00	
22-Jan	g	-	650.00	-	120.00	-	10.00	10.00	-	-	-	-	-	-	780.00	0.05
	%	-	83.33	-	15.38	-	1.28	1.28	-	-	-	-	-	-	100.00	
23-Jan	g	10.00	470.00	60.00	-	-	-	-	-	-	-	-	-	-	540.00	0.03
	%	1.85	87.04	11.11	-	-	-	-	-	-	-	-	-	-	100.00	
24-Jan	g	30.00	410.00	-	10.00	-	-	-	-	-	-	-	-	-	450.00	0.03
	%	6.67	91.11	-	2.22	-	-	-	-	-	-	-	-	-	100.00	
25-Jan	g	90.00	180.00	10.00	10.00	-	10.00	10.00	-	-	10.00	-	-	-	300.00	0.02
	%	30.00	60.00	3.33	3.33	-	3.33	3.33	-	-	3.33	-	-	-	100.00	
26-Jan	g	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jan	g	-	360.00	10.00	30.00	-	-	-	-	-	90.00	-	-	10.00	500.00	0.05
	%	-	72.00	2.00	6.00	-	-	-	-	-	18.00	-	-	2.00	100.00	
Total	g	220.00	2,800.00	80.00	260.00	0.00	10.00	120.00	-	-	10.00	-	-	10.00	3,500.00	0.04
	%	6.29	79.98	2.29	7.43	0.00	0.29	3.43	-	-	0.29	-	-	0.29	100.00	

Table 2-38 Results of Waste Composition Survey (Wet Base) in Chinandega in Dry Season (Discharge Source : Market)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
21-Jan	g	680.00	210.00	90.00	620.00	470.00	-	10.00	-	60.00	120.00	2,260.00	0.16	
Tue	%	30.09	9.29	3.98	27.43	20.80	-	0.44	-	2.65	5.31	100.00		
22-Jan	g	680.00	330.00	-	210.00	1,170.00	-	60.00	30.00	30.00	360.00	2,870.00	0.24	
Wed	%	23.69	11.50	-	7.32	40.77	-	2.09	1.05	1.05	12.54	100.00		
23-Jan	g	4,140.00	360.00	-	360.00	470.00	30.00	90.00	120.00	680.00	90.00	6,340.00	0.40	
Thu	%	65.30	5.68	-	5.68	7.41	0.47	1.42	1.89	10.73	1.42	100.00		
24-Jan	g	940.00	90.00	-	180.00	2,590.00	-	30.00	30.00	330.00	210.00	4,400.00	0.37	
Fri	%	21.36	2.05	-	4.09	58.86	-	0.68	0.68	7.50	4.77	100.00		
25-Jan	g	1,140.00	60.00	-	30.00	850.00	30.00	-	-	10.00	-	2,120.00	0.18	
Sat	%	53.77	2.83	-	1.42	40.09	1.42	-	-	0.47	-	100.00		
26-Jan	g	1,330.00	270.00	60.00	530.00	4,410.00	30.00	60.00	10.00	410.00	1,140.00	8,250.00	0.52	
Sun	%	16.12	3.27	0.73	6.42	53.45	0.36	0.73	0.12	4.97	13.82	100.00		
27-Jan	g	2,940.00	30.00	-	240.00	1,300.00	-	10.00	30.00	360.00	560.00	5,470.00	0.34	
Mon	%	53.75	0.55	-	4.39	23.77	-	0.18	0.55	6.58	10.24	100.00		
Total	g	11,850.00	1,350.00	150.00	2,170.00	11,260.00	90.00	260.00	220.00	1,880.00	2,480.00	31,710.00	0.52	
Week	%	37.38	4.26	0.47	6.84	35.51	0.28	0.82	0.69	5.93	7.82	100.00		

Table 2-39 Results of Waste Composition Survey (Wet Base) in Granada in Dry Season (Discharge Source : Household Waste-High Income)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity	
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other				
23-Jan	g	1,380.00	440.00	30.00	150.00	150.00	-	10.00	10.00	-	10.00	10.00	10.00	2,180.00	0.22
Thu	%	63.30	20.18	1.38	6.88	6.88	-	0.46	0.46	-	0.46	0.46	0.46	100.00	
24-Jan	g	2,090.00	240.00	90.00	90.00	240.00	-	60.00	30.00	90.00	-	10.00	10.00	2,940.00	0.37
Fri	%	71.09	8.16	3.06	3.06	8.16	-	2.04	1.02	3.06	-	0.34	0.34	100.00	
25-Jan	g	3,290.00	240.00	60.00	180.00	380.00	-	10.00	10.00	20.00	-	10.00	10.00	4,200.00	0.25
Sat	%	78.33	5.71	1.43	4.29	9.05	-	0.24	0.24	0.48	-	0.24	0.24	100.00	
26-Jan	g	1,880.00	470.00	150.00	270.00	300.00	-	30.00	30.00	60.00	-	30.00	-	3,190.00	0.27
Sun	%	58.93	14.73	4.70	8.46	9.40	-	0.94	0.94	1.88	-	0.94	-	100.00	
27-Jan	g	2,710.00	470.00	30.00	150.00	90.00	-	30.00	60.00	10.00	-	30.00	50.00	3,580.00	0.33
Mon	%	75.70	13.13	0.84	4.19	2.51	-	0.84	1.68	0.28	-	0.84	0.84	100.00	
28-Jan	g	3,760.00	820.00	-	120.00	120.00	-	30.00	-	10.00	-	10.00	10.00	4,870.00	0.49
Tue	%	77.21	16.84	-	2.46	2.46	-	0.62	-	0.21	-	0.21	0.21	100.00	
29-Jan	g	1,770.00	240.00	60.00	120.00	180.00	-	10.00	-	-	-	-	-	2,380.00	0.34
Wed	%	74.37	10.08	2.52	5.04	7.56	-	0.42	-	-	-	-	-	100.00	
Total	g	16,880.00	2,920.00	420.00	1,080.00	1,460.00	-	180.00	140.00	190.00	-	70.00	70.00	23,340.00	0.32
Week	%	72.32	12.51	1.80	4.63	6.26	-	0.77	0.60	0.81	-	0.30	0.30	100.00	

Table 2-40 Results of Waste Composition Survey (Wet Base) in Granada in Dry Season (Discharge Source : Household Waste-Middle Income)

(Unit : g)

Date	Item	Physical Composition											Total	Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other			
23-Jan	g	2,240.00	240.00	240.00	410.00	210.00	-	10.00	330.00	10.00	120.00	3,810.00	0.29	
Thu	%	58.79	6.30	6.30	10.76	5.51	-	0.26	8.66	0.26	3.15	100.00		
24-Jan	g	1,880.00	180.00	60.00	150.00	440.00	-	10.00	-	60.00	10.00	2,790.00	0.21	
Fri	%	67.38	6.45	2.15	5.38	15.77	-	0.36	-	2.15	0.36	100.00		
25-Jan	g	3,180.00	120.00	30.00	330.00	590.00	-	90.00	10.00	240.00	10.00	4,600.00	0.29	
Sat	%	69.13	2.61	0.65	7.17	12.83	-	1.96	0.22	5.22	0.22	100.00		
26-Jan	g	2,350.00	270.00	60.00	120.00	120.00	-	30.00	-	150.00	240.00	3,340.00	0.33	
Sun	%	70.36	8.08	1.80	3.59	3.59	-	0.90	-	4.49	7.19	100.00		
27-Jan	g	1,410.00	150.00	30.00	150.00	240.00	30.00	10.00	30.00	60.00	30.00	2,140.00	0.21	
Mon	%	65.89	7.01	1.40	7.01	11.21	1.40	0.47	1.40	2.80	1.40	100.00		
28-Jan	g	2,240.00	240.00	10.00	1,410.00	120.00	-	-	30.00	10.00	30.00	4,090.00	0.51	
Tue	%	54.77	5.87	0.24	34.47	2.93	-	-	0.73	0.24	0.73	100.00		
29-Jan	g	2,940.00	360.00	30.00	240.00	120.00	-	20.00	150.00	10.00	10.00	3,880.00	0.23	
Wed	%	75.77	9.28	0.77	6.19	3.09	-	0.52	3.87	0.26	0.26	100.00		
Total	g	16,240.00	1,560.00	460.00	2,810.00	1,840.00	30.00	170.00	550.00	540.00	450.00	24,650.00	0.30	
Week	%	65.88	6.33	1.87	11.40	7.46	0.12	0.69	2.23	2.19	1.83	100.00		

Table 2-41 Results of Waste Composition Survey (Wet Base) in Granada in Dry Season (Discharge Source : Household Waste-Low Income)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
23-Jan	g	1,650.00	60.00	-	60.00	1,000.00	-	10.00	-	240.00	380.00	3,400.00	0.28
	%	48.53	1.76	-	1.76	29.41	-	0.29	-	7.06	11.18	100.00	
24-Jan	g	730.00	10.00	20.00	60.00	730.00	-	10.00	10.00	30.00	240.00	1,840.00	0.17
	%	39.67	0.54	1.09	3.26	39.67	-	0.54	0.54	1.63	13.04	100.00	
25-Jan	g	940.00	10.00	10.00	10.00	850.00	-	10.00	-	120.00	120.00	2,070.00	0.21
	%	45.41	0.48	0.48	0.48	41.06	-	0.48	-	5.80	5.80	100.00	
26-Jan	g	470.00	10.00	10.00	30.00	700.00	-	-	-	120.00	120.00	1,460.00	0.13
	%	32.19	0.68	0.68	2.05	47.95	-	0.00	-	8.22	8.22	100.00	
27-Jan	g	1,300.00	10.00	10.00	120.00	1,170.00	-	10.00	30.00	240.00	60.00	2,950.00	0.21
	%	44.07	0.34	0.34	4.07	39.66	-	0.34	1.02	8.14	2.03	100.00	
28-Jan	g	1,880.00	30.00	30.00	60.00	1,470.00	-	-	-	60.00	120.00	3,650.00	0.20
	%	51.51	0.82	0.82	1.64	40.27	-	-	-	1.64	3.29	100.00	
29-Jan	g	1,330.00	30.00	30.00	150.00	940.00	-	120.00	10.00	240.00	300.00	3,150.00	0.21
	%	42.22	0.95	0.95	4.76	29.84	-	3.81	0.32	7.62	9.52	100.00	
Total	g	8,300.00	160.00	110.00	490.00	6,860.00	-	160.00	50.00	1,050.00	1,340.00	18,520.00	0.20
	%	44.82	0.86	0.59	2.65	37.04	-	0.86	0.27	5.67	7.24	100.00	

Table 2-42 Results of Waste Composition Survey (Wet Base) in Granada in Dry Season (Discharge Source : Commercial Area-Restaurant)  
(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity		
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total			
23-Jan	g	4,880.00	120.00	-	120.00	120.00	-	30.00	-	-	-	-	-	5,270.00	0.44
Thu	%	92.60	2.28	-	2.28	2.28	-	0.57	-	-	-	-	-	100.00	
24-Jan	g	4,760.00	240.00	-	150.00	470.00	10.00	30.00	10.00	10.00	30.00	10.00	30.00	5,710.00	0.32
Fri	%	83.36	4.20	-	2.63	8.23	0.18	0.53	0.18	0.18	0.53	0.18	0.53	100.00	
25-Jan	g	3,230.00	120.00	10.00	90.00	330.00	10.00	30.00	-	60.00	30.00	30.00	30.00	3,910.00	0.39
Sat	%	82.61	3.07	0.26	2.30	8.44	0.26	0.77	-	1.53	0.77	0.77	0.77	100.00	
26-Jan	g	4,060.00	360.00	10.00	150.00	120.00	-	150.00	-	60.00	10.00	10.00	10.00	4,920.00	0.70
Sun	%	82.52	7.32	0.20	3.05	2.44	-	3.05	-	1.22	0.20	0.20	0.20	100.00	
27-Jan	g	3,970.00	300.00	10.00	150.00	240.00	-	60.00	30.00	120.00	10.00	10.00	10.00	4,890.00	0.27
Mon	%	81.19	6.13	0.20	3.07	4.91	-	1.25	0.61	2.45	0.20	0.20	0.20	100.00	
28-Jan	g	5,470.00	470.00	-	150.00	180.00	-	30.00	30.00	30.00	30.00	30.00	30.00	6,360.00	0.40
Tue	%	86.01	7.39	-	2.36	2.83	-	0.47	0.47	0.47	0.47	0.47	0.47	100.00	
29-Jan	g	1,880.00	150.00	-	120.00	1,170.00	-	30.00	90.00	10.00	10.00	10.00	10.00	3,460.00	0.29
Wed	%	54.34	4.34	-	3.47	33.82	-	0.87	2.60	0.29	0.29	0.29	0.29	100.00	
Total	g	28,250.00	1,760.00	30.00	930.00	2,630.00	20.00	360.00	160.00	290.00	90.00	90.00	90.00	34,520.00	0.40
Week	%	81.84	5.10	0.09	2.69	7.62	0.06	1.04	0.46	0.84	0.26	0.26	0.26	100.00	

Table 2-43 Results of Waste Composition Survey (Wet Base) in Granada in Dry Season (Discharge Source : Commercial Area-Other Shops)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity	
		Kitchen Waste	Paper	Textile	Plastic	Grass Weed	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total		
23-Jan	g	380.00	470.00	120.00	120.00	120.00	-	60.00	-	20.00	20.00	20.00	1,310.00	0.10
Thu	%	29.01	35.88	9.16	9.16	9.16	-	4.58	-	1.53	1.53	1.53	100.00	
24-Jan	g	120.00	360.00	-	120.00	30.00	10.00	30.00	-	10.00	10.00	10.00	690.00	0.04
Fri	%	17.39	52.17	-	17.39	4.35	1.45	4.35	-	1.45	1.45	1.45	100.00	
25-Jan	g	1,170.00	240.00	10.00	120.00	10.00	-	60.00	120.00	-	10.00	10.00	1,740.00	0.16
Sat	%	67.24	13.79	0.57	6.90	0.57	-	3.45	6.90	-	0.57	0.57	100.00	
26-Jan	g	150.00	300.00	30.00	120.00	120.00	-	30.00	240.00	-	10.00	10.00	1,000.00	0.09
Sun	%	15.00	30.00	3.00	12.00	12.00	-	3.00	24.00	-	1.00	1.00	100.00	
27-Jan	g	240.00	360.00	30.00	210.00	10.00	10.00	30.00	10.00	30.00	10.00	10.00	940.00	0.07
Mon	%	25.53	38.30	3.19	22.34	1.06	1.06	3.19	1.06	3.19	1.06	1.06	100.00	
28-Jan	g	30.00	360.00	120.00	60.00	10.00	-	10.00	30.00	-	10.00	10.00	630.00	0.04
Tue	%	4.76	57.14	19.05	9.52	1.59	-	1.59	4.76	-	1.59	1.59	100.00	
29-Jan	g	470.00	470.00	90.00	120.00	30.00	30.00	120.00	10.00	10.00	10.00	-	1,350.00	0.09
Wed	%	34.81	34.81	6.67	8.89	2.22	2.22	8.89	0.74	0.74	0.74	-	100.00	
Total	g	2,560.00	2,560.00	400.00	870.00	330.00	50.00	340.00	410.00	70.00	70.00	70.00	7,660.00	0.08
Week	%	33.42	33.42	5.22	11.37	4.31	0.65	4.44	5.35	0.91	0.91	0.91	100.00	



Table 2-44 Results of Waste Composition Survey (Wet Base) in Granada in Dry Season (Discharge Source : Institution)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity		
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total			
23-Jan	g	120.00	210.00	-	-	-	-	10.00	-	-	-	-	-	340.00	0.02
Thu	%	35.29	61.76	-	-	-	-	2.94	-	-	-	-	-	100.00	
24-Jan	g	120.00	440.00	60.00	10.00	10.00	10.00	10.00	-	-	-	-	-	660.00	0.04
Fri	%	18.18	66.67	9.09	1.52	1.52	1.52	1.52	-	-	-	-	-	100.00	
25-Jan	g	10.00	360.00	10.00	30.00	-	10.00	10.00	-	-	-	-	-	430.00	0.03
Sat	%	2.33	83.72	2.33	6.98	-	2.33	2.33	-	-	-	-	-	100.00	
26-Jan	g	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sun	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Jan	g	10.00	270.00	-	10.00	-	10.00	10.00	-	-	-	-	-	300.00	0.02
Mon	%	3.33	90.00	-	3.33	-	3.33	3.33	-	-	-	-	-	100.00	
28-Jan	g	150.00	240.00	-	30.00	-	10.00	10.00	-	-	-	-	-	430.00	0.03
Tue	%	34.88	55.81	-	6.98	-	2.33	2.33	-	-	-	-	-	100.00	
29-Jan	g	-	360.00	60.00	30.00	-	10.00	10.00	-	-	-	-	-	460.00	0.03
Wed	%	-	78.26	13.04	6.52	-	2.17	2.17	-	-	-	-	-	100.00	
Total	g	410.00	1,880.00	130.00	110.00	10.00	60.00	60.00	-	-	-	-	-	2,620.00	0.03
Week	%	15.65	71.76	4.96	4.20	0.38	0.76	2.29	-	-	-	-	-	100.00	

Table 2-45 Results of Waste Composition Survey (Wet Base) in Granada in Dry Season (Discharge Source : Market)

(Unit : g)

Date	Item	Physical Composition											Apparent Specific Gravity
		Kitchen Waste	Paper	Textile	Plastic	Grass Wood	Leather Rubber	Metal	Glass	Ceramic Stone	Other	Total	
23-Jan	g	5,080.00	210.00	10.00	530.00	590.00	120.00	30.00	150.00	210.00	60.00	6,990.00	0.58
Thu	%	72.68	3.00	0.14	7.58	8.44	1.72	0.43	2.15	3.00	0.86	100.00	
24-Jan	g	5,880.00	240.00	60.00	530.00	180.00	-	60.00	60.00	210.00	270.00	7,490.00	0.47
Fri	%	78.50	3.20	0.80	7.08	2.40	-	0.80	0.80	2.80	3.60	100.00	
25-Jan	g	5,700.00	360.00	10.00	590.00	240.00	90.00	150.00	60.00	240.00	150.00	7,590.00	0.58
Sat	%	75.10	4.74	0.13	7.77	3.16	1.19	1.98	0.79	3.16	1.98	100.00	
26-Jan	g	6,900.00	300.00	-	210.00	60.00	90.00	60.00	180.00	440.00	30.00	8,270.00	0.59
Sun	%	83.43	3.63	-	2.54	0.73	1.09	0.73	2.18	5.32	0.36	100.00	
27-Jan	g	6,580.00	240.00	30.00	410.00	120.00	120.00	10.00	10.00	30.00	30.00	7,580.00	0.50
Mon	%	86.81	3.17	0.40	5.41	1.58	1.58	0.13	0.13	0.40	0.40	100.00	
28-Jan	g	5,940.00	270.00	-	470.00	60.00	-	30.00	60.00	240.00	30.00	7,100.00	0.51
Tue	%	83.66	3.80	-	6.62	0.85	-	0.42	0.85	3.38	0.42	100.00	
29-Jan	g	5,170.00	360.00	10.00	470.00	90.00	90.00	30.00	60.00	120.00	10.00	6,410.00	0.49
Wed	%	80.66	5.62	0.16	7.33	1.40	1.40	0.47	0.94	1.87	0.16	100.00	
Total	g	41,250.00	1,980.00	120.00	3,210.00	1,340.00	510.00	370.00	580.00	1,490.00	580.00	51,430.00	0.53
Week	%	80.20	3.85	0.23	6.24	2.61	0.99	0.72	1.13	2.90	1.13	100.00	

(Unit : g)

Table 2-46 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Household Waste-High Income)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)						
RH-01	7	4,000	5,700	1,500	5,000	4,000	5,100	4,500	29,800	4,257	608			
RH-02	9	11,200	5,900	7,800	3,200	5,200	4,800	7,000	45,100	6,443	716			
RH-03	5	5,100	4,000	2,500	5,000	8,000	7,100	3,800	35,500	5,071	1,014			
RH-04	5	8,000	3,000	9,300	3,800	3,500	5,200	2,700	35,500	5,071	1,014			
RH-05	8	9,200	3,200	3,000	4,200	5,000	6,100	5,500	36,200	5,171	646			
	34									26,014	765			

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

2-49

(Unit : g)

Table 2-47 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Household Waste-Middle Income)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)						
RM-01	9	3,000	4,000	3,200	8,000	4,000	6,400	4,300	32,900	4,700	522			
RM-02	8	5,400	3,000	5,100	5,500	4,200	3,100	5,100	31,400	4,486	561			
RM-03	4	4,300	3,000	3,500	3,700	3,000	4,300	3,800	25,600	3,657	914			
RM-04	7	1,000	1,200	5,200	4,200	2,000	8,400	2,900	24,900	3,557	508			
RM-05	6	1,000	4,000	500	3,300	5,200	2,500	9,200	25,700	3,671	612			
	34									20,071	590			

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

Table 2-48 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Household Waste-Low Income)

(Unit : g)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)						
RL-01	6	4,200	4,400	5,900	5,800	4,000	5,100	5,300	34,700	4,957	826			
RL-02	5	5,700	6,300	4,500	8,100	3,000	3,600	3,700	34,900	4,986	997			
RL-03	6	3,500	4,000	3,300	6,000	5,000	6,200	1,900	29,900	4,271	712			
RL-04	5	8,000	3,000	5,600	4,200	3,000	4,700	4,100	32,600	4,657	951			
RL-05	10	3,000	8,000	5,300	3,000	4,400	3,500	7,600	34,800	4,971	497			
	32									23,843	745			

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-49 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Commercial Waste-Restaurant)

Survey Point	Number of Units	Date									Total Amount	Average/	
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)	Day	Day/Unit			
CR-01	1	13,200	18,600	24,600	29,400	20,750	22,700	20,200	149,430	21,347	21,347		
CR-02	1	52,800	27,300	58,900	62,400	77,800	22,000	34,400	335,600	47,943	47,943		
CR-03	1	6,600	9,000	8,900	7,800	3,800	4,800	7,000	47,900	6,843	6,843		
CR-04	1	33,900	15,300	11,000	28,600	8,400	7,900	19,000	124,100	17,729	17,729		
CR-05	1	14,600	14,800	17,800	6,500	6,700	13,200	5,100	78,700	11,243	11,243		
	5									105,104	21,021		

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

2-51

(Unit : g)

Table 2-50 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Commercial Waste-Other Shops)

Survey Point	Number of Units	Date									Total Amount	Average/	
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)	Day	Day/Unit			
CO-01	1	2,400	2,900	2,800	-	1,900	2,100	2,800	14,900	2,129	2,129		
CO-02	1	2,400	3,300	2,000	3,200	3,000	2,500	2,300	18,700	2,671	2,671		
CO-03	1	700	1,800	2,600	2,800	3,200	1,900	3,300	16,500	2,329	2,329		
CO-04	1	2,200	4,100	2,100	3,400	-	1,700	1,900	15,400	2,200	2,200		
CO-05	1	900	700	-	1,200	2,400	1,700	2,800	9,700	1,386	1,386		
	5									10,714	2,143		

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

Table 2-51 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Institutional Waste)

(Unit : g)

Survey Point	Number of Units	Date							Total Amount	Average/Day	Average/Day/Unit
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)			
I-01	20	1,400	1,000	6,000	-	1,200	1,300	5,100	16,000	2,286	114
I-02	52	15,900	1,400	-	-	4,500	33,400	23,700	78,900	11,271	217
	72									13,557	188

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

Table 2-52 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Market Waste)

(Unit : kg)

Survey Point	Number of Units	Date							Total Amount	Average/Day	Average/Day/Unit
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)			
M-01	739	1,036	1,509	1,445	1,336	1,472	1,709	1,818	10,325	1,475	2.00
M-02	1,500	1,827	2,063	2,072	1,063	2,990	1,981	1,772	13,768	1,967	1.31
	2,239									3,442	1.54

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

Table 2-53 Results of the Waste Amount Survey in Leon in Rainy Season (Source : Street Sweeping Waste)

(Unit : kg)

Survey Point	Number of Units	Date							Total Amount	Average/Day	Average/Day/Unit
		5 Sep (Thu)	6 Sep (Fri)	7 Sep (Sat)	8 Sep (Sun)	9 Sep (Mon)	10 Sep (Tue)	11 Sep (Wed)			
S-01	2.7 km	22.40	15.80	19.10	93.40	20.10	37.00	60.80	268.60	38.37	14.21
S-02	2.7 km	92.10	21.10	74.40	92.30	52.70	80.40	108.60	521.60	74.51	27.60
	5.4 km									112.89	20.90

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-54 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Household Waste-High Income)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)						
RH-01	5	2,200	2,700	2,300	2,200	1,500	1,400	2,500				14,800	2,114	423
RH-02	6	2,300	4,200	1,900	500	600	600	1,800				11,900	1,700	283
RH-03	4	2,600	2,900	4,400	2,000	2,200	2,500	1,600				18,200	2,600	650
RH-04	4	5,600	1,800	6,000	8,300	3,200	1,800	2,000				28,700	4,100	1,025
RH-05	6	3,400	2,100	4,100	2,200	1,400	4,500	4,000				21,700	3,100	517
	25												13,614	545

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-55 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Household Waste-Middle Income)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)						
RM-01	5	3,000	3,700	2,100	6,000	5,000	2,500	3,500				25,800	3,686	737
RM-02	5	4,000	3,800	3,900	4,800	1,000	2,300	6,400				26,200	3,743	749
RM-03	4	2,200	2,400	3,000	3,700	6,400	2,700	4,400				24,800	3,543	886
RM-04	4	3,900	2,800	1,900	4,800	4,200	1,800	3,000				22,400	3,200	800
RM-05	8	1,800	1,600	1,500	1,000	2,300	1,800	1,700				11,700	1,671	209
	26												15,843	609

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-56 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Household Waste-Low Income)

Survey Point	Number of Units	Date											Total Amount	Average/Day	Average/Day/Unit
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)							
RL-01	10	5,800	6,000	5,500	3,200	1,600	6,900	5,200	34,200	4,886	489				
RL-02	7	5,900	8,800	4,300	8,600	12,700	3,200	7,000	50,500	7,214	1,031				
RL-03	2	1,600	1,200	2,100	900	1,300	1,800	1,300	10,200	1,457	729				
RL-04	9	9,400	7,800	7,000	5,000	8,200	9,200	3,800	50,400	7,200	800				
RL-05	5	3,200	3,800	4,000	2,500	2,300	2,300	2,900	21,000	3,000	600				
	33									23,757	720				

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units



Table 2-57 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Commercial Waste-Restaurant) (Unit : g)

Survey Point	Number of Units	Date											Total Amount	Average/Day	Average/Day/Unit	
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)								
CR-01	1	22,200	22,600	22,200	22,400	24,600	-	33,600						147,600	21,086	21,086
CR-02	1	2,000	2,200	3,400	9,600	10,800	12,400	10,800						51,200	7,314	7,314
CR-03	1	22,800	17,400	30,200	32,800	36,800	38,800	19,000						197,800	28,257	28,257
CR-04	1	21,600	18,800	21,400	11,000	19,600	17,800	6,000						116,200	16,600	16,600
CR-05	1	3,400	2,200	2,400	3,200	-	600	1,400						13,200	1,886	1,886
	5														75,143	15,029

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

Table 2-58 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Commercial Waste-Other Shops) (Unit : g)

Survey Point	Number of Units	Date											Total Amount	Average/Day	Average/Day/Unit	
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)								
CO-01	1	2,100	1,800	1,100	1,700	1,200	1,600	1,400						10,900	1,557	1,557
CO-02	1	2,000	1,200	2,200	1,400	-	600	800						8,200	1,171	1,171
CO-03	1	800	3,200	400	1,800	-	200	600						7,000	1,000	1,000
CO-04	1	200	2,400	1,200	400	-	600	300						5,600	800	800
CO-05	1	400	1,000	200	2,600	400	800	400						5,800	829	829
	5														5,557	1,071

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-59 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Institutional Waste)

Survey Point	Number of Units	Date							Total Amount	Average/Day	Average/Day/Unit
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)			
I-01	15	200	800	200	-	-	200	400	1,800	257	17
I-02	13	2,200	1,200	3,200	2,000	1,000	1,000	2,000	12,600	1,800	138
	28									2,057	73

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : kg)

Table 2-60 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Market Waste)

Survey Point	Number of Units	Date							Total Amount	Average/Day	Average/Day/Unit
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)			
M-01	1,031	2,500	2,800	3,495	2,045	3,536	1,231	3,309	18,916	2,702	2.62
M-02	589	2,900	1,840	3,150	1,427	4,190	1,090	4,522	19,119	2,731	4.64
	1,620									5,434	3.35

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : kg)

Table 2-61 Results of the Waste Amount Survey in Chinandega in Rainy Season (Source : Street Sweeping Waste)

Survey Point	Number of Units	Date							Total Amount	Average/Day	Average/Day/Unit
		28 Aug (Wed)	29 Aug (Thu)	30 Aug (Fri)	31 Aug (Sat)	1 Sep (Sun)	2 Sep (Mon)	3 Sep (Tue)			
S-01	1.8 km	40.20	23.60	31.80	26.20	23.70	27.20	24.50	197.20	28.17	15.65
S-02	1.8 km	15.00	16.40	27.00	20.80	23.80	25.40	23.40	151.80	21.69	12.05
	3.6 km									49.86	13.85

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-62 Results of the Waste Amount Survey in Granada in Rainy Season (Source : Household Waste-High Income)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		13 Sep (Fri)	14 Sep (Sat)	15 Sep (Sun)	16 Sep (Mon)	17 Sep (Tue)	18 Sep (Wed)	19 Sep (Thu)						
RH-01	8	5,800	6,000	6,400	8,200	8,000	4,500	8,700	47,600	6,800	850			
RH-02	8	7,000	3,000	5,600	6,000	4,000	3,600	6,200	35,400	5,057	632			
RH-03	3	7,200	4,000	5,000	3,600	1,400	7,000	2,500	30,700	4,386	1,462			
RH-04	6	2,500	5,800	4,500	3,000	4,500	5,700	4,800	30,800	4,400	733			
RH-05	5	1,400	3,600	1,100	5,200	1,300	1,300	3,400	17,300	2,471	494			
	30									23,114	770			

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-63 Results of the Waste Amount Survey in Granada in Rainy Season (Source : Household Waste-Middle Income)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		13 Sep (Fri)	14 Sep (Sat)	15 Sep (Sun)	16 Sep (Mon)	17 Sep (Tue)	18 Sep (Wed)	19 Sep (Thu)						
RM-01	5	4,900	14,000	7,600	5,700	3,000	2,200	3,600	41,000	5,857	1,171			
RM-02	9	1,000	300	700	1,600	1,900	1,000	500	7,000	1,000	111			
RM-03	3	4,200	1,600	400	1,800	2,900	1,800	500	13,200	1,886	629			
RM-04	14	13,900	6,800	7,600	8,800	6,400	7,000	2,000	52,500	7,500	536			
RM-05	3	7,400	4,400	4,900	3,800	2,200	1,500	12,000	56,200	5,171	1,724			
	34									21,414	630			

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-64 Results of the Waste Amount Survey in Granada in Rainy Season (Source : Household Waste-Low Income)

Survey Point	Number of Units	Date							Total Amount	Average/Day	Average/Day/Unit
		13 Sep (Fri)	14 Sep (Sat)	15 Sep (Sun)	16 Sep (Mon)	17 Sep (Tue)	18 Sep (Wed)	19 Sep (Thu)			
RL-01	5	2,600	3,500	1,900	2,300	2,400	1,200	2,900	16,800	2,400	480
RL-02	7	800	700	1,100	1,200	1,200	2,300	2,800	10,100	1,443	206
RL-03	9	5,200	2,500	3,800	4,700	3,600	6,400	5,700	31,900	4,557	506
RL-04	7	4,500	5,500	4,400	5,600	4,700	5,800	4,800	35,300	5,043	720
RL-05	4	2,800	4,600	3,600	2,400	3,000	2,600	3,000	22,000	5,143	786
	32									16,586	518

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-65 Results of the Waste Amount Survey in Granada in Rainy Season (Source : Commercial Waste-Restaurant)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		13 Sep (Fri)	14 Sep (Sat)	15 Sep (Sun)	16 Sep (Mon)	17 Sep (Tue)	18 Sep (Wed)	19 Sep (Thu)						
CR-01	1	8,800	3,400	17,000	10,200	5,400	3,800	1,800	50,400	7,200	7,200			
CR-02	1	11,800	14,200	3,400	10,800	3,800	600	1,000	45,600	6,514	6,514			
CR-03	1	26,600	40,600	48,200	22,600	7,400	28,400	21,400	195,200	27,886	27,886			
CR-04	1	4,600	15,200	13,200	7,200	3,800	5,200	8,800	58,000	8,286	8,286			
CR-05	1	8,600	9,600	20,600	13,800	14,800	17,200	6,400	91,000	13,000	13,000			
	5									62,886	12,577			

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units

(Unit : g)

Table 2-66 Results of the Waste Amount Survey in Granada in Rainy Season (Source : Commercial Waste-Other Shops)

Survey Point	Number of Units	Date										Total Amount	Average/Day	Average/Day/Unit
		13 Sep (Fri)	14 Sep (Sat)	15 Sep (Sun)	16 Sep (Mon)	17 Sep (Tue)	18 Sep (Wed)	19 Sep (Thu)						
CO-01	1	1,200	-	600	1,600	1,400	1,000	2,600	8,400	1,200	1,200			
CO-02	1	100	-	200	200	100	100	200	900	129	129			
CO-03	1	200	1,200	1,800	2,200	600	800	100	6,900	986	986			
CO-04	1	3,200	-	-	1,100	3,400	3,800	2,200	13,700	1,957	1,957			
CO-05	1	8,200	2,800	6,400	1,600	3,400	2,800	2,100	27,300	3,900	3,900			
	5									8,171	1,634			

Note : Waste Amount Average/Day/Unit is calculated from Total Waste Average/Day divided by the Total No. of Units