

US EPA ARCHIVE DOCUMENT

Sample Date	12/31/13	12/30/13	12/29/13	12/28/13	12/27/13	12/26/13	12/25/13	12/24/13	12/23/13	12/22/13	12/21/13	12/20/13	12/19/13	12/19/13	12/18/13
Calculated CO2 Factor	101.27	104.20	102.14	100.67	100.99	102.62	104.10	105.07	99.42	94.15	96.77	96.62	98.86	92.90	94.47
Molecular Weight	13.11	15.5	15.68	14.94	15.05	14.93	15.88	16.05	13.9	11.3	13.6	13.5	15.17	12.3	11.14
Higher Heating Value	788	733	712	717	720	731	737	738	716	719	679	675	682	678	752
Carbon Content	0.63	0.51	0.48	0.5	0.5	0.52	0.5	0.5	0.53	0.62	0.5	0.5	0.46	0.53	0.66

Sample Date	12/17/13	12/16/13	12/15/13	12/14/13	12/13/13	12/12/13	12/11/13	12/10/13	12/09/13	12/08/13	12/07/13	12/06/13	12/05/13	12/04/13	12/03/13
Calculated CO2 Factor	100.57	96.83	94.68	98.02	101.78	106.27	104.29	102.01	102.45	98.94	102.18	99.71	99.67	102.35	98.37
Molecular Weight	15.5	14.96	14.22	15.01	15.34	16.43	16.3	16.41	15.86	15.2	17.1	14.94	15.07	15.8	16.29
Higher Heating Value	685	627	624	651	699	732	740	715	718	668	663	666	672	716	608
Carbon Content	0.46	0.42	0.43	0.44	0.48	0.49	0.49	0.46	0.48	0.45	0.41	0.46	0.46	0.48	0.38

Sample Date	12/02/13	12/01/13	11/30/13	11/29/13	11/28/13	11/27/13	11/26/13	11/25/13	11/24/13	11/23/13	11/22/13	11/21/13	11/20/13	11/20/13	11/18/13
Calculated CO2 Factor	108.82	114.48	116.33	113.93	114.75	106.71	111.46	112.05	110.12	103.96	98.93	96.98	92.99	95.36	95.98
Molecular Weight	16.3	19.14	19.74	18.7	19.49	15.7	17.86	17.7	17.2	15.2	14	13.69	13.33	10.97	14.53
Higher Heating Value	825	937	951	904	919	853	867	870	815	777	711	682	651	767	629
Carbon Content	0.57	0.58	0.58	0.57	0.56	0.6	0.56	0.57	0.54	0.55	0.52	0.5	0.47	0.69	0.43

Sample Date	11/17/13	11/16/13	11/15/13	11/14/13	11/13/13	11/12/13	11/11/13	11/10/13	11/09/13	11/08/13	11/07/13	11/06/13	11/05/13	11/04/13	11/03/13
Calculated CO2 Factor	84.52	88.20	94.54	94.93	93.04	94.13	91.23	90.41	86.09	90.67	83.50	82.15	84.39	84.20	87.69
Molecular Weight	12.29	12.1	14.42	14.41	14.04	14.52	13.78	13.51	12.13	14.17	13.16	12.47	13.5	13	13.45
Higher Heating Value	562	623	619	616	627	626	613	592	599	604	533	528	541	552	578
Carbon Content	0.4	0.47	0.42	0.42	0.43	0.42	0.42	0.41	0.44	0.4	0.35	0.36	0.35	0.37	0.39

Sample Date	11/02/13	11/01/13	10/31/13	10/30/13	10/29/13	10/28/13	10/27/13	10/26/13	10/25/13	10/24/13	10/23/13	10/22/13	10/21/13	10/20/13	10/19/13
Calculated CO2 Factor	80.89	92.64	106.80	107.49	103.97	103.47	89.90	86.06	91.48	91.61	88.96	87.07	89.39	86.21	90.16
Molecular Weight	10.2	13.98	16.6	17.14	14.64	15.8	12.86	9.6	13.75	13.67	13.24	13.28	12.57	12.2	12.98
Higher Heating Value	597	627	811	832	898	782	622	679	610	620	604	560	625	588	626
Carbon Content	0.49	0.43	0.54	0.54	0.66	0.53	0.45	0.63	0.42	0.43	0.42	0.38	0.46	0.43	0.45

Sample Date	10/18/13	10/17/13	10/16/13	10/15/13	10/14/13	10/13/13	10/12/13	10/11/13	10/10/13	10/09/13	10/08/13	10/07/13	10/06/13	10/06/13	10/05/13
Calculated CO2 Factor	87.19	89.26	89.70	91.14	90.81	87.18	84.72	86.32	82.90	93.30	97.37	95.43	98.05	97.47	116.06
Molecular Weight	11.22	12.83	13.35	13.1	12.07	12.61	9.06	9.28	13.62	13.69	14.28	13.87	12.9	12.8	20.48
Higher Heating Value	659	625	604	625	655	587	682	696	508	638	666	646	750	774	1023
Carbon Content	0.53	0.45	0.42	0.45	0.51	0.42	0.66	0.67	0.32	0.45	0.47	0.46	0.59	0.61	0.6

Sample Date	10/04/13	10/03/13	10/02/13	10/01/13	09/30/13	09/29/13	09/28/13	09/27/13	09/26/13	09/25/13	09/24/13	09/23/13	09/22/13	09/21/13	09/20/13
Calculated CO2 Factor	100.36	101.03	104.11	104.59	103.92	99.38	105.73	102.64	104.73	106.43	95.89	90.93	94.06	106.36	103.81
Molecular Weight	15.05	15.15	15.86	15.57	14	14.7	16.5	17.5	15.55	16.61	14.65	13.91	13.67	16.94	15.93
Higher Heating Value	681	710	736	748	781	686	769	626	746	754	620	606	660	831	771
Carbon Content	0.47	0.49	0.5	0.52	0.6	0.48	0.51	0.38	0.52	0.5	0.42	0.41	0.47	0.54	0.52

Sample Date	09/19/13	09/18/13	09/17/13	09/16/13	09/15/13	09/14/13	09/13/13	09/12/13	09/11/13	09/10/13	09/09/13	09/08/13	09/07/13	09/06/13	09/05/13
Calculated CO2 Factor	108.97	107.06	105.41	94.51	89.89	103.19	106.91	107.47	114.47	113.71	110.30	99.40	96.98	93.84	96.51
Molecular Weight	17.44	16.62	16.67	13.8	13.6	15.58	16.2	16.38	19.1	18.52	17.36	15.19	13.56	13.84	14.76
Higher Heating Value	866	825	764	649	614	744	776	810	919	897	806	694	689	627	665
Carbon Content	0.56	0.55	0.5	0.46	0.42	0.51	0.53	0.55	0.57	0.57	0.53	0.47	0.51	0.44	0.45

Sample Date	09/04/13	09/03/13	09/02/13	09/01/13	08/31/13	08/30/13	08/29/13	08/28/13	08/27/13	08/26/13	08/25/13	08/24/13	08/23/13	08/22/13	08/21/13
Calculated CO2 Factor	99.15	100.19	97.61	100.85	99.38	100.01	77.46	110.19	108.36	101.43	97.02	92.92	91.73	98.36	91.24
Molecular Weight	15.13	14.6	13.6	15.2	14.5	14.9	8.6	17.02	17.13	15.36	11.63	13.1	13.54	14.21	13.67
Higher Heating Value	693	704	727	699	719	691	590	791	779	717	776	613	599	684	608
Carbon Content	0.47	0.5	0.54	0.48	0.51	0.48	0.55	0.53	0.51	0.49	0.67	0.45	0.42	0.49	0.42

Sample Date	08/20/13	08/19/13	08/18/13	08/17/13	08/16/13	08/15/13	08/14/13	08/13/13	08/12/13	08/11/13	08/10/13	08/09/13	08/08/13	08/07/13	08/06/13
Calculated CO2 Factor	83.94	88.93	90.65	93.13	112.24	103.47	106.29	105.62	114.89	108.02	105.71	109.83	107.28	106.92	109.56
Molecular Weight	9.36	13.2	13.44	13.8	17.75	15.58	15.88	14.58	18.94	16.39	15.26	17.2	16.42	16.62	16.5
Higher Heating Value	668	588	616	630	871	742	794	827	892	777	809	802	769	781	844
Carbon Content	0.62	0.41	0.43	0.44	0.57	0.51	0.55	0.62	0.56	0.53	0.58	0.53	0.52	0.52	0.58

Sample Date	08/05/13	08/04/13	08/03/13	08/02/13	08/01/13	07/30/13	07/29/13	07/28/13	07/27/13	07/26/13	07/25/13	07/24/13	07/23/13	07/22/13	07/21/13
Calculated CO2 Factor	115.46	114.02	105.50	106.36	104.86	97.89	102.70	104.35	103.63	106.40	104.29	105.92	109.70	98.98	101.55
Molecular Weight	19.1	17.7	15.5	15.6	18.8	14.68	15.7	16.09	14.8	16.06	14.96	15.97	17.23	14.3	15.24
Higher Heating Value	975	990	795	822	589	681	709	730	759	773	790	743	774	698	696
Carbon Content	0.61	0.66	0.56	0.58	0.34	0.47	0.48	0.49	0.55	0.53	0.57	0.51	0.51	0.5	0.48

Sample Date	07/20/13	07/19/13	07/18/13	07/17/13	07/16/13	07/15/13	07/14/13	07/13/13	07/12/13	07/11/13	07/10/13	07/09/13	07/08/13	07/07/13	07/06/13
Calculated CO2 Factor	89.73	96.25	88.25	88.35	98.54	105.83	103.40	99.54	97.82	96.59	102.01	106.01	107.04	108.75	106.30
Molecular Weight	14.7	14.2	13.38	13.18	14.69	16.3	15.12	14.06	14.68	14.08	15.34	16.01	15.7	16.8	16.1
Higher Heating Value	554	670	586	591	677	759	763	737	667	662	712	788	822	821	761
Carbon Content	0.35	0.47	0.4	0.41	0.47	0.51	0.54	0.54	0.46	0.47	0.49	0.54	0.58	0.55	0.52

Sample Date	07/05/13	07/04/13	07/03/13	07/02/13	07/01/13	06/30/13	06/29/13	06/28/13	06/28/13	06/27/13	06/26/13	06/25/13	06/24/13	06/23/13	06/22/13
Calculated CO2 Factor	94.51	93.23	99.69	102.93	105.86	106.59	106.06	107.59	108.64	107.23	103.09	111.63	107.53	107.78	100.66
Molecular Weight	13.8	13.53	14.63	15.34	15.5	15.04	15.07	16.66	17.24	16.93	15.09	18.35	17.3	17.29	14.9
Higher Heating Value	649	631	709	720	764	818	810	793	782	778	792	953	855	868	758
Carbon Content	0.46	0.45	0.5	0.5	0.54	0.6	0.59	0.53	0.51	0.51	0.56	0.6	0.55	0.56	0.53

Sample Date	06/21/13	06/20/13	06/19/13	06/18/13	06/17/13	06/16/13	06/15/13	06/15/13	06/14/13	06/13/13	06/12/13	06/11/13	06/10/13	06/09/13	06/08/13
Calculated CO2 Factor	99.81	94.65	88.47	79.45	77.80	74.85	79.91	85.51	79.60	85.53	88.04	90.61	88.79	84.40	82.32
Molecular Weight	14.7	16	13.71	10.69	9.58	8.1	11.84	13.06	8.29	12.5	12.93	12.9	13.44	12	11.02
Higher Heating Value	740	588	569	559	583	596	544	546	644	579	596	619	585	577	595
Carbon Content	0.52	0.36	0.38	0.43	0.49	0.57	0.38	0.37	0.64	0.41	0.42	0.45	0.4	0.42	0.46

Sample Date	06/07/13	06/06/13	06/05/13	06/04/13	06/03/13	06/02/13	06/01/13	05/31/13	05/30/13	05/29/13	05/28/13	05/27/13	05/26/13	05/25/13	05/24/13
Calculated CO2 Factor	86.96	89.28	87.48	86.92	89.24	86.63	85.89	86.38	90.56	102.86	101.93	104.53	100.01	96.25	96.32
Molecular Weight	12	13.31	11.77	13.47	13.6	12.53	12.51	12.43	13.1	15.5	15.23	16.65	14.47	14.03	13.33
Higher Heating Value	600	605	637	569	589	587	577	584	615	728	693	708	699	662	682
Carbon Content	0.45	0.42	0.49	0.38	0.4	0.42	0.41	0.42	0.44	0.5	0.48	0.46	0.5	0.47	0.51

Sample Date	05/23/13	05/22/13	05/21/13	05/20/13	05/19/13	05/18/13	05/17/13	05/16/13	05/15/13	05/14/13	05/13/13	05/12/13	05/11/13	05/10/13	05/09/13
Calculated CO2 Factor	95.07	93.44	95.34	97.99	91.91	92.56	91.16	95.21	98.30	99.71	104.73	104.69	104.22	105.93	105.89
Molecular Weight	14.01	12.15	12.54	15	13.25	12.89	9.99	14.22	14.46	14.09	15.6	15.7	15.1	16.33	15.89
Higher Heating Value	655	691	699	636	599	619	720	635	668	710	734	739	770	715	754
Carbon Content	0.46	0.55	0.55	0.43	0.43	0.46	0.68	0.44	0.47	0.52	0.51	0.51	0.55	0.48	0.52

Sample Date	05/08/13	05/07/13	05/06/13	05/05/13	05/04/13	05/03/13	05/02/13	05/01/13	04/30/13	04/29/13	04/28/13	04/27/13	04/26/13	04/25/13	04/24/13
Calculated CO2 Factor	122.13	95.79	91.90	92.97	92.56	93.43	90.36	93.81	93.59	92.36	93.43	108.95	104.35	106.52	107.52
Molecular Weight	22.98	13.26	10.6	10.54	10.72	10.68	9.91	11.88	12	10.5	10.99	15.5	13.37	14.4	14.45
Higher Heating Value	909	642	691	712	705	740	710	673	669	703	716	866	879	849	922
Carbon Content	0.5	0.48	0.62	0.65	0.63	0.67	0.67	0.55	0.54	0.64	0.63	0.63	0.71	0.65	0.71

Sample Date	04/23/13	04/22/13	04/21/13	04/20/13	04/19/13	04/18/13	04/17/13	04/16/13	04/15/13	04/14/13	04/13/13	04/12/13	04/11/13	04/10/13	04/09/13
Calculated CO2 Factor	109.66	110.02	108.40	109.98	110.26	108.76	107.76	107.14	105.69	105.69	105.88	111.92	105.63	105.94	105.39
Molecular Weight	14.9	15.29	16.87	16.87	15.63	15.67	15.16	13.83	13.4	13.4	13.53	16.2	14.41	14.22	13.38
Higher Heating Value	919	940	812	830	904	891	870	898	882	882	889	965	870	856	871
Carbon Content	0.7	0.7	0.54	0.56	0.66	0.64	0.64	0.72	0.72	0.72	0.72	0.69	0.66	0.66	0.71

Sample Date	04/08/13	04/07/13	04/06/13	04/05/13	04/04/13	04/03/13	04/02/13	04/01/13	03/31/13	03/30/13	03/29/13	03/28/13	03/27/13	03/26/13	03/25/13
Calculated CO2 Factor	106.23	105.85	108.23	104.93	105.49	105.23	104.69	104.39	107.12	102.89	100.68	101.03	100.63	101.17	103.21
Molecular Weight	14.67	14	16.17	13.46	15.04	13.67	13.2	13.2	14.88	14	12.6	14.7	14.5	14.7	14.58
Higher Heating Value	854	869	794	880	799	841	865	843	859	802	786	717	724	716	778
Carbon Content	0.64	0.68	0.55	0.71	0.58	0.67	0.71	0.69	0.64	0.61	0.65	0.51	0.52	0.51	0.57

Sample Date	03/24/13	03/23/13	03/22/13	03/21/13	03/20/13	03/19/13	03/18/13	03/17/13	03/16/13	03/15/13	03/14/13	03/13/13	03/12/13	03/11/13	03/10/13
Calculated CO2 Factor	103.68	104.26	104.18	101.65	96.75	104.27	107.88	100.37	103.43	103.63	103.45	102.33	98.23	99.56	102.90
Molecular Weight	15.19	14.74	15.56	12.98	14.06	14.8	16.34	13.18	14.26	14.05	15.38	15.54	12.94	12.73	13.81
Higher Heating Value	722	765	736	802	674	768	761	774	786	786	747	719	751	766	791
Carbon Content	0.51	0.56	0.51	0.65	0.48	0.56	0.52	0.61	0.59	0.6	0.52	0.49	0.59	0.62	0.61

Sample Date	03/09/13	03/08/13	03/07/13	03/06/13	03/05/13	03/04/13	03/03/13	03/02/13	03/01/13	02/28/13	02/27/13	02/26/13	02/25/13	02/24/13	02/23/13
Calculated CO2 Factor	112.15	101.85	101.27	101.56	98.59	98.65	96.21	98.49	99.22	101.42	105.55	103.75	99.34	99.06	99.88
Molecular Weight	17.67	13.38	13.11	14.18	14.95	11.8	11.27	11.7	15.1	12.3	13.8	12.9	11.97	11.79	12.08
Higher Heating Value	883	787	788	769	674	809	781	792	647	832	859	865	815	805	818
Carbon Content	0.58	0.62	0.63	0.57	0.46	0.7	0.69	0.69	0.44	0.71	0.68	0.72	0.7	0.7	0.7

Sample Date	02/22/13	02/21/13	02/20/13	02/19/13	02/18/13	02/17/13	02/16/13	02/15/13	02/14/13	02/13/13	02/13/13	02/12/13	02/11/13	02/10/13	02/09/13
Calculated CO2 Factor	99.76	104.67	103.54	100.35	98.78	98.55	101.27	90.60	102.29	99.07	101.11	72.18	102.91	101.35	107.48
Molecular Weight	12.05	13.35	12.98	12.21	11.8	11.7	12.4	10.6	12.51	12	12.1	7.63	13.18	12.66	14.72
Higher Heating Value	817	875	860	823	808	803	840	667	839	831	821	572	891	869	966
Carbon Content	0.7	0.71	0.71	0.7	0.7	0.7	0.71	0.59	0.71	0.71	0.71	0.56	0.72	0.72	0.73

Sample Date	02/08/13	02/07/13	02/06/13	02/05/13	02/04/13	02/03/13	02/02/13	02/01/13	01/31/13	01/30/13	01/29/13	01/28/13	01/27/13	01/26/13	01/25/13
Calculated CO2 Factor	97.69	103.79	101.73	99.90	93.23	97.04	102.02	97.67	97.23	96.99	97.72	97.04	98.83	93.92	90.25
Molecular Weight	11.41	13.17	12.59	12.2	10.6	11.65	12.9	11.74	11.5	11.2	11.5	11.42	11.85	10.95	10.11
Higher Heating Value	790	846	849	826	758	812	843	813	800	781	796	796	811	766	736
Carbon Content	0.7	0.69	0.71	0.7	0.69	0.7	0.69	0.7	0.7	0.7	0.7	0.7	0.7	0.68	0.68

Sample Date	01/24/13	01/23/13	01/22/13	01/21/13	01/20/13	01/19/13	01/18/13	01/17/13	01/16/13	01/15/13	01/14/13	01/13/13	01/12/13	01/11/13	01/10/13
Calculated CO2 Factor	90.31	90.75	95.48	100.74	99.47	100.50	96.38	96.40	96.87	95.48	96.96	91.70	93.29	93.89	91.94
Molecular Weight	10.13	10.11	11.19	12.1	12	12.1	11.2	11.16	11.3	11.07	11.21	10.37	10.69	10.83	10.58
Higher Heating Value	737	732	770	824	816	826	786	783	789	773	782	743	764	769	745
Carbon Content	0.68	0.68	0.68	0.71	0.7	0.71	0.7	0.7	0.7	0.69	0.7	0.68	0.69	0.69	0.67

Sample Date	01/09/13	01/08/13	01/07/13	01/06/13	01/05/13	01/04/13	01/03/13	01/02/13	01/01/13	12/31/12	12/30/12	12/29/12	12/28/12	12/27/12	12/26/12
Calculated CO2 Factor	93.09	105.18	102.50	97.89	97.00	97.65	100.27	101.88	103.46	106.19	102.26	103.30	105.69	104.99	98.45
Molecular Weight	10.57	13.29	12.7	11.57	11.33	11.55	12	12.4	13	13.6	12.67	12.92	13.95	13.16	11.79
Higher Heating Value	757	879	850	788	790	800	821	835	862	891	850	858	880	872	810
Carbon Content	0.69	0.72	0.71	0.69	0.7	0.7	0.71	0.71	0.71	0.72	0.71	0.71	0.69	0.72	0.7

Sample Date	12/25/12	12/24/12	12/23/12	12/22/12	12/21/12	12/20/12	12/19/12	12/18/12	12/17/12	12/16/12	12/15/12	12/14/12	12/13/12	12/12/12	12/11/12
Calculated CO2 Factor	94.97	101.72	102.33	102.66	100.14	104.20	102.42	104.99	95.39	102.46	101.90	101.88	105.73	102.00	102.17
Molecular Weight	10.94	12.5	12.8	12.6	12.2	13.26	12.78	13.25	11.16	12.56	12.64	12.49	13.48	12.46	12.6
Higher Heating Value	768	843	846	842	824	873	856	878	780	841	851	841	887	838	846
Carbon Content	0.69	0.71	0.7	0.71	0.7	0.71	0.71	0.72	0.69	0.71	0.71	0.71	0.72	0.71	0.71

Sample Date	12/11/12	12/10/12	12/09/12	12/08/12	12/07/12	12/06/12	12/05/12	12/04/12	12/03/12	12/02/12	12/01/12	11/30/12	11/29/12	11/28/12	11/27/12
Calculated CO2 Factor	101.98	85.88	97.15	94.08	107.03	105.81	100.15	102.50	103.22	98.75	104.83	105.59	101.49	104.78	105.04
Molecular Weight	12.65	9.5	11.29	10.64	13.8	13.4	12	12.7	13	11.87	13.32	13.63	12.96	14.43	13.09
Higher Heating Value	851	652	786	754	897	881	822	850	864	813	884	898	802	825	867
Carbon Content	0.71	0.61	0.7	0.69	0.72	0.72	0.71	0.71	0.71	0.7	0.72	0.72	0.65	0.62	0.72

Sample Date	11/26/12	11/25/12	11/24/12	11/23/12	11/22/12	11/21/12	11/20/12	11/19/12	11/18/12	11/17/12	11/16/12	11/15/12	11/14/12	11/13/12	11/12/12
Calculated CO2 Factor	101.66	105.46	103.70	105.02	104.31	101.18	101.29	98.26	109.22	109.75	109.63	111.19	103.79	108.47	110.56
Molecular Weight	12.3	13.4	13	13.3	12.94	12.33	12.52	11.85	14.95	15.07	15.15	15.2	13.12	14.24	15
Higher Heating Value	830	884	860	881	863	836	848	804	939	942	948	951	855	926	957
Carbon Content	0.71	0.72	0.71	0.72	0.72	0.71	0.71	0.69	0.71	0.71	0.71	0.72	0.7	0.73	0.73

Sample Date	11/11/12	11/10/12	11/09/12	11/08/12	11/07/12	11/06/12	11/05/12	11/04/12	11/03/12	11/02/12	11/01/12	10/31/12	10/30/12	10/29/12	10/28/12
Calculated CO2 Factor	109.40	109.39	109.95	108.65	107.09	109.22	106.87	106.38	105.31	106.55	109.77	110.27	107.55	106.63	107.45
Molecular Weight	14.58	14.5	14.7	15.1	13.9	14.4	14.01	13.64	13.2	13.8	14.66	14.68	13.96	13.58	13.7
Higher Heating Value	940	935	943	846	903	930	912	892	872	901	942	939	903	886	887
Carbon Content	0.73	0.73	0.73	0.63	0.72	0.73	0.72	0.72	0.72	0.72	0.73	0.73	0.72	0.72	0.72

Sample Date	10/27/12	10/26/12	10/25/12	10/24/12	10/23/12	10/22/12	10/21/12	10/20/12	10/19/12	10/18/12	10/17/12	10/16/12	10/15/12	10/14/12	10/13/12
Calculated CO2 Factor	104.88	106.42	110.01	106.90	104.25	107.26	109.65	109.50	110.31	109.61	109.81	109.36	106.96	106.93	106.97
Molecular Weight	13.3	15.4	14.52	13.9	13.13	14.03	14.55	14.36	14.81	14.39	14.54	14.84	13.96	13.91	14.1
Higher Heating Value	870	783	931	892	864	910	936	925	947	926	934	944	908	905	917
Carbon Content	0.71	0.56	0.73	0.71	0.71	0.72	0.73	0.73	0.73	0.73	0.73	0.72	0.72	0.72	0.72

Sample Date	10/12/12	10/11/12	10/11/12	10/10/12	10/09/12	10/08/12	10/07/12	10/06/12	10/05/12	10/04/12	10/03/12	10/02/12	10/01/12	09/30/12	09/30/12
Calculated CO2 Factor	109.10	110.72	110.12	73.71	110.27	107.87	109.40	108.76	109.36	112.46	111.62	110.47	108.87	112.41	109.95
Molecular Weight	14.4	15.1	14.8	26.7	15.2	14.25	14.44	14.17	14.45	15.72	15.35	15.75	14.2	15.58	14.7
Higher Heating Value	931	962	948	35	919	919	931	919	932	986	970	923	920	991	943
Carbon Content	0.73	0.73	0.73	0.01	0.69	0.72	0.73	0.73	0.73	0.73	0.73	0.67	0.73	0.74	0.73

Sample Date	09/30/12	09/29/12	09/28/12	09/27/12	09/26/12	09/25/12	09/24/12	09/23/12	09/22/12	09/21/12	09/20/12	09/19/12	09/18/12	09/17/12	09/16/12
Calculated CO2 Factor	120.50	120.10	109.92	107.47	110.13	110.28	109.57	107.31	108.97	106.81	105.94	105.91	105.95	109.16	101.58
Molecular Weight	20.2	20.1	16.4	14.15	14.88	15.15	14.68	14.16	14.63	13.96	13.66	13.61	13.57	14.3	12.26
Higher Heating Value	1231	1229	865	916	953	969	945	918	921	884	897	894	891	924	828
Carbon Content	0.76	0.76	0.6	0.72	0.73	0.73	0.73	0.72	0.71	0.7	0.72	0.72	0.72	0.73	0.71

Sample Date	09/15/12	09/14/12	09/13/12	09/12/12	09/11/12	09/10/12	09/09/12	09/08/12	09/07/12	09/06/12	09/05/12	09/04/12	09/03/12	09/02/12	09/01/12
Calculated CO2 Factor	99.14	98.02	97.37	102.17	103.10	102.62	105.91	107.62	103.67	103.19	95.70	102.17	100.29	101.62	99.37
Molecular Weight	11.8	11.42	11.2	12.6	13	12.67	13.64	14.17	12.92	12.59	12.49	12.91	12.1	12.2	11.9
Higher Heating Value	805	788	778	846	865	847	896	916	855	837	681	818	816	812	810
Carbon Content	0.7	0.7	0.7	0.71	0.71	0.71	0.72	0.72	0.71	0.71	0.54	0.67	0.7	0.7	0.7

Sample Date	08/31/12	08/30/12	08/29/12	08/28/12	08/27/12	08/26/12	08/25/12	08/24/12	08/23/12	08/22/12	08/21/12	08/20/12	08/19/12	08/18/12	08/17/12
Calculated CO2 Factor	99.64	102.66	102.58	105.43	104.25	103.31	105.95	104.82	102.62	94.99	103.59	101.97	103.43	102.82	101.45
Molecular Weight	11.8	12.57	12.53	13.17	13.19	12.83	13.31	14.12	12.58	12.82	12.76	12.5	12.89	12.8	12.2
Higher Heating Value	801	840	838	869	868	852	874	820	841	652	845	841	855	854	825
Carbon Content	0.7	0.71	0.71	0.72	0.71	0.71	0.72	0.63	0.71	0.5	0.71	0.71	0.71	0.71	0.71

Sample Date	08/16/12	08/15/12	08/14/12	08/13/12	08/12/12	08/11/12	08/10/12	08/09/12	08/08/12	08/07/12	08/06/12	08/05/12	08/04/12	08/03/12	08/02/12
Calculated CO2 Factor	100.54	101.54	101.08	102.25	100.64	102.33	102.54	103.57	106.03	105.31	103.97	105.51	104.44	103.38	105.31
Molecular Weight	12.1	12.4	12.3	12.46	12.32	12.53	12.63	14.23	13.32	13.67	13.2	13.24	13.23	12.99	13.34
Higher Heating Value	814	826	823	836	828	840	845	770	874	878	871	873	869	862	869
Carbon Content	0.7	0.7	0.7	0.71	0.7	0.71	0.71	0.58	0.72	0.7	0.71	0.72	0.71	0.71	0.71

Sample Date	08/01/12	07/31/12	07/30/12	07/29/12	07/28/12	07/27/12	07/26/12	07/25/12	07/24/12	07/23/12	07/22/12	07/21/12	07/20/12	07/19/12	07/18/12
Calculated CO2 Factor	104.29	105.43	93.18	103.34	102.94	101.87	103.42	105.97	103.27	92.34	96.93	94.99	96.46	103.31	95.63
Molecular Weight	13.18	13.17	11.09	12.97	12.8	12.37	12.95	13.5	12.84	10.4	11.15	10.9	11.3	12.8	11.3
Higher Heating Value	867	869	690	861	853	833	859	874	853	740	778	765	781	850	765
Carbon Content	0.71	0.72	0.6	0.71	0.71	0.71	0.71	0.71	0.71	0.68	0.7	0.69	0.69	0.71	0.67

Sample Date	07/17/12	07/16/12	07/15/12	07/14/12	07/13/12	07/12/12	07/11/12	07/10/12	07/09/12	07/08/12	07/07/12	07/06/12	07/05/12	07/04/12	07/03/12
Calculated CO2 Factor	99.49	98.87	97.90	100.90	99.18	99.59	107.63	107.02	108.28	107.98	106.20	105.27	103.07	103.19	101.91
Molecular Weight	11.9	11.87	11.42	12.06	12.21	12.03	17.04	13.9	14.6	14.4	13.7	13.15	12.8	12.77	12.27
Higher Heating Value	809	812	789	820	797	817	719	891	912	902	885	869	852	849	826
Carbon Content	0.7	0.7	0.7	0.71	0.67	0.7	0.47	0.71	0.7	0.7	0.71	0.72	0.71	0.71	0.71

Sample Date	07/02/12	07/01/12	06/30/12	06/29/12	06/28/12	06/27/12	06/26/12	06/25/12	06/24/12	06/23/12	06/22/12	06/21/12	06/20/12	06/19/12	06/18/12
Calculated CO2 Factor	99.87	95.55	95.24	99.07	98.02	98.86	102.01	104.82	104.57	105.33	104.65	107.86	114.61	107.00	107.81
Molecular Weight	12.34	10.95	10.9	15.88	12.34	14.58	14.78	14.4	15.21	15.5	14.4	15.2	17.5	15.3	15.78
Higher Heating Value	776	764	763	635	742	684	742	823	773	782	811	817	959	829	792
Carbon Content	0.65	0.69	0.69	0.41	0.61	0.48	0.53	0.62	0.55	0.55	0.61	0.6	0.65	0.6	0.56

Sample Date	06/17/12	06/16/12	06/15/12	06/14/12	06/13/12	06/12/12	06/11/12	06/10/12	06/09/12	06/08/12	06/07/12	06/06/12	06/05/12	06/04/12	06/03/12
Calculated CO2 Factor	104.03	104.95	104.76	105.34	101.83	100.97	108.40	104.76	105.77	106.51	103.80	105.95	105.34	105.39	104.42
Molecular Weight	12.98	15.07	15.12	14.68	14.07	13.94	15.2	13.3	14.3	14.4	12.8	13.56	15	15.25	14.12
Higher Heating Value	856	777	767	781	761	747	840	871	823	823	846	878	798	769	797
Carbon Content	0.71	0.56	0.55	0.58	0.57	0.56	0.62	0.71	0.63	0.63	0.71	0.71	0.58	0.55	0.61

Sample Date	06/02/12	06/01/12	05/31/12	05/30/12	05/29/12	05/28/12	05/27/12	05/26/12	05/25/12	05/24/12	05/23/12	05/22/12	05/21/12	05/20/12	05/19/12
Calculated CO2 Factor	103.75	103.44	102.54	102.78	102.75	102.18	101.64	102.01	101.93	95.82	91.81	91.53	94.55	91.21	99.83
Molecular Weight	13.38	13.34	12.51	12.63	12.73	12.6	12.75	12.7	13.17	11.9	10.2	10.1	11.55	10.62	12
Higher Heating Value	810	810	837	843	826	834	800	806	774	720	730	725	720	675	813
Carbon Content	0.65	0.65	0.71	0.71	0.69	0.7	0.66	0.67	0.62	0.6	0.68	0.68	0.61	0.6	0.7

Sample Date	05/18/12	05/17/12	05/16/12	05/15/12	05/14/12	05/13/12	05/12/12	05/11/12	05/10/12	05/09/12	05/08/12	05/07/12	05/06/12	05/05/12	05/04/12
Calculated CO2 Factor	103.64	105.17	107.33	104.91	103.23	105.87	105.95	107.65	105.76	105.61	107.78	107.86	109.66	105.79	107.98
Molecular Weight	12.75	14.15	15.34	14.01	12.67	13.3	13.56	14.5	15.19	13.92	14.57	15.07	14.35	13.29	14.14
Higher Heating Value	844	806	801	800	842	874	878	846	791	866	849	864	923	874	911
Carbon Content	0.71	0.62	0.58	0.62	0.71	0.72	0.71	0.65	0.57	0.68	0.65	0.64	0.73	0.72	0.72

Sample Date	05/03/12	05/02/12	05/01/12	04/30/12	04/29/12	04/28/12	04/27/12	04/26/12	04/25/12	04/24/12	04/23/12	04/22/12	04/21/12	04/20/12	04/19/12
Calculated CO2 Factor	108.19	108.09	108.36	110.47	110.09	108.86	108.64	110.77	109.05	108.76	109.37	104.35	103.70	101.71	103.22
Molecular Weight	14.79	14.71	14.66	14.8	15.33	14.6	15.46	16.26	16.12	14.17	14.99	13.23	13.05	12.35	13.62
Higher Heating Value	885	881	902	945	888	933	880	851	857	919	927	833	839	833	816
Carbon Content	0.67	0.67	0.69	0.73	0.66	0.72	0.64	0.6	0.6	0.73	0.7	0.68	0.69	0.71	0.64

Sample Date	04/18/12	04/18/12	04/17/12	04/16/12	04/15/12	04/14/12	04/13/12	04/12/12	04/11/12	04/10/12	04/09/12	04/08/12	04/07/12	04/06/12	04/05/12
Calculated CO2 Factor	102.50	104.61	99.69	90.64	99.98	99.42	100.94	104.01	100.74	105.01	98.07	102.43	96.20	101.85	101.63
Molecular Weight	12.67	15.54	13.91	10.12	12.28	11.98	12.05	14.34	13.45	13.89	11.4	12.93	11.6	13.12	12.94
Higher Heating Value	848	732	728	712	807	815	819	786	774	818	775	805	734	809	812
Carbon Content	0.71	0.51	0.54	0.66	0.68	0.7	0.71	0.59	0.6	0.64	0.69	0.66	0.63	0.65	0.66

Sample Date	04/04/12	04/03/12	04/02/12	04/01/12	03/31/12	03/30/12	03/29/12	03/28/12	03/27/12	03/26/12	03/25/12	03/24/12	03/23/12	03/22/12	03/21/12
Calculated CO2 Factor	100.85	103.73	103.04	103.55	100.54	99.80	100.57	92.73	95.12	103.66	103.81	102.08	101.78	105.04	103.15
Molecular Weight	12.31	13.37	13.9	13.54	12.1	11.9	12	10.5	10.9	13.45	13.53	13.84	12.88	13.98	14.32
Higher Heating Value	802	822	756	796	814	795	807	744	764	840	806	786	807	823	778
Carbon Content	0.68	0.66	0.58	0.63	0.7	0.69	0.7	0.68	0.69	0.67	0.64	0.6	0.66	0.64	0.58

Sample Date	03/20/12	03/19/12	03/18/12	03/17/12	03/16/12	03/15/12	03/14/12	03/13/12	03/12/12	03/11/12	03/10/12	03/09/12	03/08/12	03/07/12	03/06/12
Calculated CO2 Factor	99.78	99.04	102.86	102.46	99.79	102.41	101.14	103.68	102.58	102.70	102.32	102.37	100.06	102.46	103.27
Molecular Weight	13.59	11.7	12.52	12.56	11.98	12.48	12.5	14.35	12.59	13.8	12.91	12.46	12.32	13.12	13.12
Higher Heating Value	737	799	835	841	812	836	824	789	842	792	829	835	809	829	847
Carbon Content	0.56	0.7	0.71	0.71	0.7	0.71	0.69	0.59	0.71	0.61	0.68	0.71	0.68	0.67	0.69

Sample Date	03/05/12	03/04/12	03/03/12	03/02/12	03/01/12	02/29/12	02/28/12	02/27/12	02/26/12	02/25/12	02/24/12	02/23/12	02/22/12	02/21/12	02/20/12
Calculated CO2 Factor	99.17	104.48	102.18	103.31	103.77	103.51	104.00	101.84	105.32	105.89	104.78	104.57	103.55	105.19	103.94
Molecular Weight	11.9	14.81	12.8	13.9	12.98	12.81	12.84	13.15	14.36	13.65	13.39	13.56	13.27	13.72	13.03
Higher Heating Value	800	767	811	767	846	849	847	811	830	847	852	852	842	857	860
Carbon Content	0.69	0.56	0.67	0.59	0.7	0.71	0.71	0.65	0.63	0.68	0.69	0.68	0.68	0.68	0.71

Sample Date	02/19/12	02/18/12	02/17/12	02/16/12	02/15/12	02/14/12	02/13/12	02/12/12	02/11/12	02/10/12	02/09/12	02/08/12	02/07/12	02/06/12	02/05/12
Calculated CO2 Factor	105.30	103.98	105.37	106.79	107.00	107.78	105.42	104.70	106.04	105.33	104.08	101.27	97.89	90.72	100.92
Molecular Weight	13.17	13.08	13.44	13.6	13.75	13.99	14.82	13.39	13.53	13.58	13.02	13.27	12.44	10.6	12.2
Higher Heating Value	858	863	875	886	894	903	815	865	863	872	834	747	749	700	806
Carbon Content	0.71	0.71	0.71	0.72	0.72	0.72	0.6	0.7	0.7	0.7	0.69	0.59	0.61	0.62	0.69

Sample Date	02/04/12	02/03/12	02/02/12	02/01/12	01/31/12	01/30/12	01/29/12	01/28/12	01/27/12	01/26/12	01/25/12	01/24/12	01/23/12	01/22/12	01/21/12
Calculated CO2 Factor	100.82	98.39	97.28	104.76	105.36	110.65	109.20	108.15	108.15	108.62	110.47	110.57	107.29	104.82	104.69
Molecular Weight	12	11.6	11.7	13.3	13.3	16.75	15.44	14.6	14.83	14.76	15.18	15.88	14.5	13.4	13.2
Higher Heating Value	805	786	767	871	866	863	888	900	901	906	956	902	888	877	865
Carbon Content	0.7	0.69	0.66	0.71	0.71	0.59	0.65	0.69	0.68	0.69	0.72	0.65	0.68	0.71	0.71

Sample Date	01/20/12	01/19/12	01/18/12	01/17/12	01/16/12	01/15/12	01/14/12	01/13/12	01/12/12	01/11/12	01/10/12	01/09/12	01/08/12	01/07/12	01/06/12
Calculated CO2 Factor	106.14	106.18	107.27	104.72	107.57	108.61	108.52	108.56	99.65	103.82	104.34	107.62	106.99	105.54	109.09
Molecular Weight	13.6	13.66	14.17	13.5	14.04	14.74	14.68	14.59	12.17	13.39	13.22	14	14.02	13.7	14.52
Higher Heating Value	879	895	919	847	908	931	928	935	767	810	857	905	899	878	926
Carbon Content	0.71	0.72	0.72	0.68	0.72	0.71	0.71	0.72	0.65	0.65	0.7	0.72	0.71	0.7	0.72

Sample Date	01/05/12	01/04/12	01/03/12	01/02/12	01/01/12	12/31/11	12/30/11	12/29/11	12/28/11	12/27/11	12/26/11	12/25/11	12/24/11	12/23/11	12/22/11
Calculated CO2 Factor	106.68	106.73	102.09	106.45	105.16	109.65	103.85	104.08	98.26	106.29	102.50	101.90	102.29	103.74	101.32
Molecular Weight	13.74	13.7	12.85	14.01	13.47	14.52	13.11	13.37	12.08	14.25	12.61	12.46	12.51	12.99	12.17
Higher Heating Value	896	893	827	852	854	934	866	844	784	842	844	827	839	859	824
Carbon Content	0.72	0.72	0.68	0.67	0.69	0.73	0.71	0.68	0.66	0.65	0.71	0.7	0.71	0.71	0.71

Sample Date	12/21/11	12/21/11	12/20/11	12/19/11	12/18/11	12/17/11	12/16/11	12/15/11	12/14/11	12/13/11	12/12/11	12/11/11	12/10/11	12/09/11	12/08/11
Calculated CO2 Factor	105.63	106.29	111.72	105.68	110.16	107.99	109.43	107.24	105.77	108.78	108.99	99.17	105.48	107.80	109.84
Molecular Weight	13.27	13.43	15.3	13.97	15.87	14.37	14.99	14.48	14.07	14.9	14.2	12.17	13.6	14	14.81
Higher Heating Value	874	879	966	843	863	900	900	848	874	900	919	747	897	916	938
Carbon Content	0.72	0.72	0.73	0.66	0.62	0.7	0.68	0.65	0.68	0.68	0.73	0.63	0.72	0.73	0.72

Sample Date	12/07/11	12/06/11	12/05/11	12/04/11	12/03/11	12/02/11	12/01/11	11/30/11	11/30/11	11/29/11	11/29/11	11/28/11	11/27/11	11/26/11	11/25/11
Calculated CO2 Factor	111.88	111.41	106.11	106.23	103.53	103.47	102.94	102.66	106.37	105.78	102.66	105.88	108.39	106.24	107.95
Molecular Weight	15.6	15.31	13.72	14.86	13.22	13.99	15.22	12.69	13.7	13.38	15.02	13.5	14.7	13.5	14.3
Higher Heating Value	970	956	887	811	839	810	700	848	896	880	721	887	878	884	896
Carbon Content	0.72	0.72	0.71	0.6	0.68	0.62	0.49	0.71	0.72	0.72	0.51	0.72	0.67	0.72	0.7

Sample Date	11/24/11	11/23/11	11/22/11	11/21/11	11/20/11	11/19/11	11/18/11	11/17/11	11/16/11	11/15/11	11/14/11	11/13/11	11/12/11	11/11/11	11/10/11
Calculated CO2 Factor	107.42	106.91	108.14	107.72	104.83	104.74	103.88	107.31	108.41	105.31	107.10	108.79	107.63	107.86	104.46
Molecular Weight	15	14	14.7	14.56	14.46	14.16	13.3	15.36	15.4	13.8	14.1	15.4	13.8	14	13.24
Higher Heating Value	877	911	880	862	813	836	866	816	851	861	865	848	892	903	845
Carbon Content	0.65	0.72	0.67	0.66	0.61	0.64	0.7	0.59	0.62	0.68	0.68	0.62	0.72	0.72	0.69

Sample Date	11/09/11	11/08/11	11/07/11	11/06/11	11/05/11	11/04/11	11/03/11	11/02/11	11/01/11	10/31/11	10/30/11	10/29/11	10/28/11	10/27/11	10/26/11
Calculated CO2 Factor	102.00	100.01	98.30	99.54	102.09	102.17	100.95	99.97	102.75	99.88	103.07	101.41	96.94	106.51	103.58
Molecular Weight	12.43	12.08	12.1	13.86	14.15	14.63	12.74	12.15	13.7	12.05	12.68	13.07	11.4	14.2	14.4
Higher Heating Value	836	817	785	740	750	761	817	822	773	816	844	797	784	876	806
Carbon Content	0.71	0.7	0.66	0.55	0.56	0.55	0.67	0.7	0.6	0.7	0.71	0.64	0.69	0.68	0.6

Sample Date	10/25/11	10/24/11	10/23/11	10/22/11	10/21/11	10/20/11	10/19/11	10/18/11	10/17/11	10/16/11	10/15/11	10/14/11	10/13/11	10/12/11	10/11/11
Calculated CO2 Factor	98.02	97.53	97.68	96.37	92.37	93.34	97.94	80.04	92.71	95.49	93.24	93.02	91.72	93.87	97.05
Molecular Weight	12.3	11.32	11.67	13.88	10.77	10.57	12.36	10.65	10.3	10.9	13.14	13.5	12	14.7	11.5
Higher Heating Value	776	785	785	668	721	755	756	540	730	761	640	617	670	575	790
Carbon Content	0.64	0.7	0.68	0.48	0.64	0.69	0.62	0.42	0.68	0.69	0.47	0.44	0.53	0.38	0.69

Sample Date	10/10/11	10/09/11	10/08/11	10/07/11	10/06/11	10/05/11	10/04/11	10/03/11	10/02/11	10/01/11	09/30/11	09/29/11	09/28/11	09/27/11	09/26/11
Calculated CO2 Factor	102.67	102.62	99.59	102.18	100.98	100.44	98.62	101.06	106.35	101.12	95.73	103.90	105.22	110.23	105.14
Molecular Weight	13.56	14.1	13.26	14.57	14.09	12.91	13.74	12.08	13.56	13.84	11.2	14.9	13.4	15.2	13.3
Higher Heating Value	804	770	759	744	755	770	700	820	887	767	780	776	886	906	880
Carbon Content	0.63	0.58	0.59	0.54	0.56	0.62	0.52	0.71	0.72	0.58	0.69	0.56	0.72	0.68	0.72

Sample Date	09/25/11	09/24/11	09/23/11	09/22/11	09/21/11	09/20/11	09/19/11	09/18/11	09/17/11	09/16/11	09/15/11	09/14/11	09/13/11	09/12/11	09/11/11
Calculated CO2 Factor	105.64	105.01	98.95	100.46	101.95	111.70	113.19	113.51	109.96	114.08	111.36	110.23	110.77	114.26	115.07
Molecular Weight	14.35	14.91	11.74	12.25	13.89	15.7	16.1	17.2	15.2	16.8	15.93	15.58	15.12	17.89	18.28
Higher Heating Value	840	782	791	813	803	1005	1017	981	975	1053	1009	956	976	938	967
Carbon Content	0.64	0.57	0.69	0.69	0.61	0.74	0.74	0.67	0.73	0.74	0.73	0.7	0.74	0.62	0.63

Sample Date	09/10/11	09/09/11	09/08/11	09/07/11	09/06/11	09/05/11	09/05/11	09/05/11	09/04/11	09/04/11	09/03/11	09/02/11	09/01/11	08/31/11	08/30/11
Calculated CO2 Factor	114.24	113.49	113.70	113.15	84.85	111.21	88.45	108.13	107.02			89.01	100.72	104.55	104.07
Molecular Weight	17.61	17.6	18.21	17.82	9.52	15.25	9.76	14.16	14.05	Pending	Pending	10.64	12.2	13.9	13.4
Higher Heating Value	983	974	944	913	683	954	725	911	888	Pending	Pending	693	831	835	846
Carbon Content	0.66	0.65	0.61	0.6	0.63	0.72	0.68	0.72	0.7	Pending	Pending	0.6	0.71	0.65	0.68

Sample Date	08/29/11	08/28/11	08/27/11	08/26/11	08/25/11	08/24/11	08/23/11	08/22/11	08/21/11	08/20/11	08/19/11	08/18/11	08/17/11	08/16/11	08/15/11
Calculated CO2 Factor	104.62	97.38	94.03	87.85	90.36	88.99	88.36	85.58	94.10	95.06	91.27	90.61	91.58	94.65	93.59
Molecular Weight	14.4	13.47	11.53	10.14	11.6	13.13	9.9	9.4	12.7	12.4	10.1	12	12.7	12.6	11.3
Higher Heating Value	798	695	699	658	645	556	682	658	639	668	695	627	603	656	700
Carbon Content	0.6	0.52	0.59	0.59	0.52	0.39	0.63	0.62	0.49	0.53	0.65	0.49	0.45	0.51	0.6

Sample Date	08/14/11	08/13/11	08/12/11	08/11/11	08/10/11	08/09/11	08/08/11	08/07/11	08/06/11	08/05/11	08/04/11	08/03/11	08/02/11	08/01/11	07/31/11
Calculated CO2 Factor	102.24	102.79	105.47	102.07	103.95	104.55	106.51	106.31	106.79	107.98	105.76	106.19	102.58	103.16	103.26
Molecular Weight	12.34	13.42	13.93	12.85	13.3	13	13.61	13.6	14	14.9	13.5	13.6	12.8	12.98	13.98
Higher Heating Value	828	820	855	815	853	865	889	890	912	880	888	891	856	851	798
Carbon Content	0.71	0.65	0.67	0.67	0.69	0.72	0.72	0.72	0.72	0.66	0.72	0.72	0.71	0.7	0.61

Sample Date	07/30/11	07/29/11	07/28/11	07/27/11	07/26/11	07/25/11	07/24/11	07/23/11	07/22/11	07/21/11	07/20/11	07/19/11	07/18/11	07/17/11	07/16/11
Calculated CO2 Factor	102.57	96.15	106.26	102.87	107.37	104.87	103.22	104.16	103.22	102.78	99.55	113.39	107.16	104.19	108.21
Molecular Weight	12.83	11.22	14.23	12.93	14.81	13.33	12.94	13.3	13	12.78	12.01	16.43	14.14	13	14.74
Higher Heating Value	846	778	854	838	853	872	860	876	864	853	816	1036	918	856	895
Carbon Content	0.7	0.69	0.66	0.69	0.64	0.71	0.71	0.71	0.71	0.71	0.7	0.74	0.72	0.71	0.68

Sample Date	07/15/11	07/14/11	07/13/11	07/12/11	07/11/11	07/10/11	07/09/11	07/08/11	07/07/11	07/06/11	07/05/11	07/04/11	07/03/11	07/02/11	07/01/11
Calculated CO2 Factor	109.29	109.16	107.70	107.04	103.14	103.76	106.28	99.93	102.21	98.58	103.31	99.52	99.51	97.98	83.58
Molecular Weight	14.88	15.32	14.74	14.45	12.93	13.36	13.81	12.1	12.5	11.5	12.8	11.8	12.22	11.61	11.8
Higher Heating Value	934	895	886	887	860	846	904	819	839	789	850	802	795	790	532
Carbon Content	0.71	0.66	0.67	0.68	0.71	0.68	0.72	0.7	0.71	0.7	0.71	0.7	0.67	0.69	0.39

Sample Date	06/30/11	06/29/11	06/28/11	06/27/11	06/26/11	06/25/11	06/24/11	06/23/11	06/22/11	06/21/11	06/20/11	06/19/11	06/18/11	06/17/11	06/16/11
Calculated CO2 Factor	101.17	102.60	107.50	106.67	103.11	108.68	104.08	102.90	99.41	100.93	91.76	104.27	103.79	104.09	106.17
Molecular Weight	12.61	13.17	13.96	13.8	12.7	14.33	14.2	12.96	12.3	12.4	12.5	12.95	12.86	13.14	13.72
Higher Heating Value	843	831	916	900	845	930	791	864	801	831	645	864	862	866	899
Carbon Content	0.7	0.67	0.73	0.72	0.71	0.73	0.6	0.71	0.67	0.7	0.49	0.72	0.72	0.71	0.72

Sample Date	06/15/11	06/14/11	06/13/11	06/12/11	06/11/11	06/10/11	06/09/11	06/08/11	06/07/11	06/06/11	06/05/11	06/04/11	06/03/11	06/02/11	06/01/11
Calculated CO2 Factor	106.99	105.99	107.68	108.72	106.14	106.62	109.62	101.12	102.09	99.01	96.97	91.27	94.15	95.87	102.50
Molecular Weight	14.01	13.59	13.9	14.15	13.7	13.9	14.5	12.3	13.9	12.7	12.4	10.8	11.3	11.89	13.79
Higher Heating Value	911	892	898	918	898	907	933	811	763	756	729	686	719	731	806
Carbon Content	0.72	0.72	0.72	0.73	0.72	0.72	0.73	0.69	0.58	0.61	0.59	0.6	0.62	0.61	0.62

Sample Date	05/31/11	05/30/11	05/29/11	05/28/11	05/27/11	05/26/11	05/25/11	05/24/11	05/23/11	05/22/11	05/21/11	05/20/11	05/19/11	05/18/11	05/17/11
Calculated CO2 Factor	97.59	102.16	104.02	104.45	89.95	100.94	101.95	92.68	98.56	103.61	106.09	102.59	97.68	93.48	89.37
Molecular Weight	11.84	12.3	13.1	13.8	11.5	13.29	13.42	10.37	11.57	12.24	15.05	13.55	11.82	10.5	9.9
Higher Heating Value	762	826	864	817	630	776	814	746	794	799	795	804	760	738	685
Carbon Content	0.65	0.71	0.71	0.64	0.51	0.61	0.64	0.69	0.7	0.7	0.58	0.63	0.65	0.68	0.64

Sample Date	05/16/11	05/15/11	05/14/11	05/13/11	05/12/11	05/11/11	05/10/11	05/09/11	05/08/11	05/07/11	05/06/11	05/05/11	05/04/11	05/03/11	05/02/11
Calculated CO2 Factor	98.64	94.54	94.25	88.96	101.25	92.18	95.49	88.95	85.22	98.10	100.51	101.41	105.64	103.87	101.41
Molecular Weight	11.6	10.82	10.49	10	12.2	10.2	10.9	9.7	9.1	12.4	13.4	12.21	14.28	12.9	12.4
Higher Heating Value	784	752	742	706	815	727	761	706	681	745	760	826	849	852	827
Carbon Content	0.69	0.68	0.69	0.65	0.7	0.68	0.69	0.67	0.66	0.61	0.59	0.71	0.65	0.71	0.7

Sample Date	05/01/11	04/30/11	04/29/11	04/28/11	04/27/11	04/26/11	04/25/11	04/24/11	04/23/11	04/22/11	04/21/11	04/20/11	04/19/11	04/18/11	04/17/11
Calculated CO2 Factor	100.96	102.70	97.75	93.96	95.99	96.24	80.42	65.73	71.41	70.18	83.24	87.43	104.81	103.37	98.92
Molecular Weight	12.3	12.5	11.2	10.5	11	11	8.31	6.38	7.09	6.84	8.8	9.4	13.2	13.2	11.7
Higher Heating Value	824	835	775	745	764	762	619	544	566	565	664	696	864	802	800
Carbon Content	0.7	0.71	0.7	0.69	0.69	0.69	0.62	0.58	0.59	0.6	0.65	0.67	0.71	0.65	0.7

Sample Date	04/16/11	04/15/11	04/14/11	04/13/11	04/12/11	04/11/11	04/10/11	04/09/11	04/08/11	04/07/11	04/06/11	04/05/11	04/05/11	04/04/11	04/03/11
Calculated CO2 Factor	99.27	99.37	91.22	83.48	97.51	87.94	91.07	87.35	74.00	81.60	99.15	103.64	110.51	108.17	99.64
Molecular Weight	11.8	11.9	10.7	9.1	12	9.4	10.1	9.6	7.3	9.32	12.25	12.63	15.8	14.6	12.2
Higher Heating Value	804	810	714	653	761	692	718	669	591	607	776	836	967	952	840
Carbon Content	0.7	0.7	0.63	0.62	0.64	0.67	0.67	0.63	0.62	0.55	0.65	0.71	0.7	0.73	0.71

Sample Date	04/02/11	04/01/11	03/31/11	03/30/11	03/29/11	03/28/11	03/27/11	03/26/11	03/25/11	03/25/11	03/24/11	03/23/11	03/23/11	03/22/11	03/21/11
Calculated CO2 Factor	88.86	100.77	99.96	96.50	96.79	94.93	81.28	80.68	97.65	78.42	97.77	88.77	91.72	96.62	98.40
Molecular Weight	9.9	12.5	12.4	11.4	11.6	11.4	8.49	8.35	11.8	8.04	11.8	9.64	10.4	11.5	11.9
Higher Heating Value	732	851	839	799	799	789	656	650	829	634	828	703	756	805	818
Carbon Content	0.68	0.71	0.7	0.7	0.69	0.68	0.65	0.65	0.71	0.64	0.71	0.67	0.69	0.7	0.7

Sample Date	03/20/11	03/19/11	03/18/11	03/17/11	03/16/11	03/15/11	03/14/11	03/13/11	03/12/11	03/11/11	03/10/11	03/09/11	03/08/11	03/07/11	03/06/11
Calculated CO2 Factor	88.69	89.79	96.50	96.14	94.90	94.76	92.60	96.62	95.54	98.98	92.72	86.44	90.83	101.29	65.19
Molecular Weight	9.85	9.88	11.5	11.4	11	10.9	10.5	11.4	11.3	16	15.08	11.38	13.94	15.2	10.4
Higher Heating Value	719	723	806	802	784	778	756	798	800	656	550	636	608	725	447
Carbon Content	0.67	0.68	0.7	0.7	0.7	0.7	0.69	0.7	0.7	0.42	0.35	0.5	0.41	0.5	0.29

Sample Date	03/05/11	03/04/11	03/03/11	03/02/11	03/01/11	02/28/11	02/27/11	02/26/11	02/25/11	02/24/11	02/23/11	02/22/11	02/21/11	02/20/11	02/19/11
Calculated CO2 Factor	96.65	95.83	71.43	100.07	94.70	87.96	90.60	93.45	87.66	89.40	88.88	96.73	92.31	99.58	96.83
Molecular Weight	14.7	14.1	10	14.5	13.9	13.04	13	13.72	13.25	13.3	12.6	14.1	12.4	14.6	14.2
Higher Heating Value	676	654	487	672	624	573	610	610	555	575	589	662	649	680	666
Carbon Content	0.46	0.46	0.36	0.48	0.44	0.4	0.44	0.43	0.38	0.4	0.43	0.47	0.5	0.48	0.47

Sample Date	02/18/11	02/17/11	02/16/11	02/15/11	02/14/11	02/13/11	02/12/11	02/11/11	02/10/11	02/09/11	02/08/11	02/07/11	02/06/11	02/05/11	02/04/11
Calculated CO2 Factor	100.03	98.03	102.04	100.06	100.29	100.37	101.78	98.43	96.21	94.80	101.43	99.18	99.38	88.11	81.62
Molecular Weight	15	14.1	14.7	14.8	14.7	14.5	14.6	14.2	14.28	13.78	15.2	14.2	14.6	13.2	12.1
Higher Heating Value	710	681	696	686	694	670	693	683	631	632	695	664	653	579	530
Carbon Content	0.49	0.49	0.5	0.48	0.49	0.48	0.5	0.49	0.44	0.45	0.48	0.48	0.46	0.4	0.37

Sample Date	02/03/11	02/02/11	02/01/11	01/31/11	01/30/11	01/29/11	01/28/11	01/27/11	01/26/11	01/25/11	01/24/11	01/23/11	01/22/11	01/21/11	01/20/11
Calculated CO2 Factor	85.93	83.10	89.97	85.35	83.33	92.15	90.47	82.60	85.79	96.21	92.36	86.57	81.74	79.05	75.12
Molecular Weight	12.45	12.95	17.42	13.13	11.8	13.67	13.78	12.1	12.1	14.3	14.11	12.5	11.8	12.32	11.1
Higher Heating Value	574	527	449	550	561	602	574	552	586	675	620	572	544	512	514
Carbon Content	0.41	0.35	0.24	0.37	0.41	0.42	0.39	0.39	0.43	0.47	0.42	0.41	0.39	0.34	0.36

Sample Date	01/19/11	01/18/11	01/17/11	01/16/11	01/15/11	01/14/11	01/13/11	01/13/11	01/12/11	01/11/11	01/10/11	01/10/11	01/09/11	01/08/11	01/08/11
Calculated CO2 Factor	77.54	78.76	78.58	78.30	74.94	95.50	96.58	95.31	99.14	111.78	92.48	112.77	96.27	96.19	95.14
Molecular Weight	11.3	11.5	12.06	11.43	10.47	13.69	11.85	12.4	13.6	16.5	11.09	15.7	13.5	12.3	11.8
Higher Heating Value	521	522	519	536	513	651	735	704	729	870	730	982	691	729	743
Carbon Content	0.37	0.37	0.35	0.38	0.38	0.47	0.62	0.56	0.55	0.61	0.63	0.73	0.51	0.59	0.62

Sample Date	01/07/11	01/06/11	01/06/11	01/05/11	01/04/11	01/03/11	01/03/11	01/02/11	01/01/11	AVERAGE	STANDARD DEVIATION	AVERAGE PLUS 2 STANDARD DEVIATIONS
Calculated CO2 Factor	92.25	95.91	98.21	93.48	97.62	88.11	86.64	86.96	84.68	100.62	7.774	116.17
Molecular Weight	13	13.03	14.27	12.9	14.36	11.55	11.2	12.2	10.5			
Higher Heating Value	640	722	716	680	668	646	637	610	623			
Carbon Content	0.47	0.55	0.51	0.51	0.47	0.51	0.51	0.45	0.52			