

**Table 1. Encycle Perimeter Air Sample Analytical Results, Encycle/Texas, Inc., Corpus Christi, Texas**

Sample ID	Sample Date	Sample ID <sup>a</sup>	Wind Direction	Wind Speed (MPH) <sup>b</sup>	Analytical Results (mg/m <sup>3</sup> )											
					Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Selenium	Silver	Zinc
Upwind 1-6-11	1/6/11	A	NNE	1.6-2.5	<0.00833	<0.00833	<0.00167	<0.0000833	<0.00833	<0.00167	<0.00104	<0.00167	<0.0000723	<0.00833	<0.000833	<0.00833
Downwind 1-6-11	1/6/11	1	NNE	1.6-2.5	<0.00833	<0.00833	<0.00167	<0.0000833	<0.00833	<0.00167	<0.00104	<0.00167	<0.0000723	<0.00833	<0.000833	<0.00833
Upwind 1-11-11	1/11/11	B	N	6-6.3	<0.00833	<0.00833	<0.00167	<0.0000833	<0.00833	<0.00167	<0.00104	<0.00167	<0.0000723	<0.00833	<0.000833	<0.00833
Downwind 1-11-11	1/11/11	2	N	6-6.3	<0.00833	<0.00833	<0.00167	<0.0000833	<0.00833	<0.00167	<0.00104	<0.00167	<0.0000723	<0.00833	<0.000833	<0.00833
Upwind 1-21-11	1/21/11	C	N	3.8-4.1	<0.00833	<0.00833	<0.00167	<0.0000833	<0.00833	<0.00167	<0.00104	<0.00167	<0.000868	<0.00833	<0.000833	<0.00833
Downwind 1-21-11	1/21/11	3	N	3.8-4.1	<0.00833	<0.00833	<0.00167	<0.0000833	<0.00833	<0.00167	<0.00104	<0.00167	<0.000868	<0.00833	<0.000833	<0.00833
Upwind 2-1-11	2/1/11	D	N	13.8-19.6	<0.00025	<0.0000833	0.00108	<0.0000833	<0.00417	<0.000167	<0.0000833	0.000133	<0.000868	<0.000167	<0.0000833	<0.000833
Downwind 2-1-11	2/1/11	4	N	13.8-19.6	<0.00025	<0.0000833	0.000115	<0.0000833	<0.00417	<0.000167	<0.0000833	<0.0000833	<0.000868	<0.000167	<0.0000833	<0.000833
Upwind 4-13-11	4/13/11	E	SE	3.6	<0.0000781	<0.000026	0.0000929	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 4-13-11	4/13/11	5	SE	3.6	<0.0000781	<0.000026	0.0000484	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 4-15-11	4/15/11	F	NW	1.0	<0.0000781	<0.000026	0.000170	<0.000026	<0.0013	<0.0000521	<0.000026	0.0000396	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 4-15-11	4/15/11	6	NW	1.0	<0.0000781	<0.000026	0.000163	<0.000026	<0.0013	<0.0000521	0.0000355	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 4-19-11	4/19/11	G	SE	12.0	<0.0000781	<0.000026	0.0000818	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 4-19-11	4/19/11	7	SE	12.0	<0.0000781	<0.000026	0.0000955	<0.000026	<0.0013	<0.0000521	0.0000509	0.0000305	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 4-22-11	4/22/11	H	SE	8.5	<0.0000781	<0.000026	0.000260	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 4-22-11	4/22/11	8	SE	8.5	<0.0000781	<0.000026	0.000128	<0.000026	<0.0013	<0.0000521	0.0000465	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 4-27-11	4/27/11	I	NW	<1	<0.0000781	<0.000026	0.000341	<0.000026	<0.0013	<0.0000521	<0.000026	0.0000379	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 4-27-11	4/27/11	9	NW	<1	<0.0000781	<0.000026	0.000343	<0.000026	<0.0013	<0.0000521	0.0000663	<0.000026	<0.000234	<0.0000521	<0.000026	0.00163
Upwind 4-28-11	4/28/11	J	NE	3.6	<0.0000781	<0.000026	0.000107	<0.000026	<0.0013	0.0000953	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 4-28-11	4/28/11	10	NE	3.6	<0.0000781	<0.000026	0.000143	<0.000026	<0.0013	<0.0000521	0.0000621	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 5-3-11	5/3/11	K	NW	13.1	<0.0000781	<0.000026	0.0001050	<0.000026	<0.0013	0.0001030	<0.000026	0.0000659	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-3-11	5/3/11	11	NW	13.1	<0.0000781	<0.000026	0.0000932	0.0000289	<0.0013	0.0000531	<0.000026	0.0000383	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 5-5-11	5/5/11	L	ESE	0.8	<0.0000781	<0.000026	0.0000683	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-5-11	5/5/11	12	ESE	0.8	<0.0000781	<0.000026	0.0000796	<0.000026	<0.0013	<0.0000521	<0.000026	0.0000383	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 5-10-11	5/10/11	M	SE	10.2	<0.0000781	<0.000026	0.000203	<0.000026	<0.0013	0.0000841	<0.000026	0.0000349	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-10-11	5/10/11	13	SE	10.2	<0.0000781	<0.000026	0.000279	<0.000026	<0.0013	0.000176	0.000549	0.0000679	<0.000234	<0.0000521	<0.000026	0.0134
Upwind 5-12-11	5/12/11	N	ESE	4.4	<0.0000987	<0.0000329	0.0000886	<0.0000329	<0.00164	<0.0000658	<0.0000329	<0.0000329	<0.000296	<0.0000658	<0.0000329	<0.000329
Downwind 5-12-11	5/12/11	14	ESE	4.4	<0.0000987	<0.0000329	0.0000633	<0.0000329	<0.00164	<0.0000658	0.000075	<0.0000329	<0.000296	<0.0000658	<0.0000329	0.000733

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					Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Selenium	Silver	Zinc
Upwind 5-16-11	5/16/11	O	NNE	4.8	<0.0000781	<0.000026	0.000447	<0.000026	<0.0013	<0.0000521	<0.000026	0.0000298	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-16-11	5/16/11	15	NNE	4.8	<0.0000781	<0.000026	0.000932	0.0000347	<0.0013	0.000123	0.0000315	0.0000434	<0.000234	<0.0000521	<0.000026	0.000394
Upwind 5-19-11	5/19/11	P	SE	5.6	<0.0000781	<0.000026	0.0000489	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-19-11	5/19/11	16	SE	5.6	<0.0000781	<0.000026	0.000109	<0.000026	<0.0013	0.0000657	0.000163	0.0000329	<0.000234	<0.0000521	<0.000026	0.00394
Upwind 5-24-11	5/24/11	Q	SE	10.6	<0.0000781	<0.000026	0.000081	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-24-11	5/24/11	17	SE	10.6	<0.0000781	<0.000026	0.0000994	<0.000026	<0.0013	0.00013	0.000157	0.00004	<0.000234	<0.0000521	<0.000026	0.00252
Upwind 5-26-11	5/26/11	R	ESE	5.1	<0.0000781	<0.000026	0.0000324	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-26-11	5/26/11	18	ESE	5.1	<0.0000781	<0.000026	0.000051	<0.000026	<0.0013	<0.0000521	0.0000452	<0.000026	<0.000234	<0.0000521	<0.000026	0.000496
Upwind 5-31-11	5/31/11	S	ESE	10.1	<0.0000781	<0.000026	0.000103	<0.000026	<0.0013	<0.0000521	0.0000273	0.0000321	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 5-31-11	5/31/11	19	ESE	10.1	<0.0000781	<0.000026	0.0000863	<0.000026	<0.0013	0.0000996	0.000177	0.000148	<0.000234	<0.0000521	<0.000026	0.0017
Upwind 6-2-11	6/2/11	T	SSE	0.9	<0.0000781	<0.000026	0.0000539	<0.000026	<0.0013	0.000143	0.0000431	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 6-2-11	6/2/11	20	SSE	0.9	<0.0000781	<0.000026	0.0000382	<0.000026	<0.0013	0.000318	0.0000758	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Upwind 6-7-11	6/7/11	U	SSE	4.4	<0.0000781	<0.000026	0.0000389	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 6-7-11	6/7/11	21	SSE	4.4	<0.0000781	<0.000026	0.0000616	<0.000026	<0.0013	<0.0000521	0.0000532	<0.000026	<0.000234	<0.0000521	<0.000026	0.000484
Upwind 6-9-11	6/9/11	V	SSE	3.1	<0.0000781	<0.000026	<0.000026	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 6-9-11	6/9/11	22	SSE	3.1	<0.0000781	<0.000026	<0.000026	<0.000026	<0.0013	<0.0000521	<0.000026	<0.000026	<0.000234	<0.0000521	<0.000026	0.000472
Upwind 6-14-11	6/14/11	W	SSE	3.1	<0.0000781	<0.000026	0.000115	<0.000026	<0.0013	<0.0000521	<0.000026	0.0000289	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 6-14-11	6/14/11	23	SSE	3.1	<0.0000781	<0.000026	<0.000026	<0.000026	<0.0013	<0.0000521	<0.000026	0.0000354	<0.000234	<0.0000521	<0.000026	0.000473
Upwind 6-16-11	6/16/11	X	SE	11.9	<0.0000781	<0.000026	0.000149	<0.000026	<0.0013	<0.0000521	<0.000026	0.0000371	<0.000234	<0.0000521	<0.000026	<0.00026
Downwind 6-16-11	6/16/11	24	SE	11.9	<0.0000781	<0.000026	0.000124	<0.000026	<0.0013	0.000117	0.00024	0.000094	<0.000234	<0.0000521	<0.000026	0.000659
Upwind 6-21-11	6/21/11	Y	SE	6.7	(pending)											
Downwind 6-21-11	6/21/11	25	SE	6.7	(pending)											
Upwind 6-23-11	6/23/11		SE	4.7	(pending)											
Downwind 6-23-11	6/23/11		SE	4.7	(pending)											

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Sample ID	Sample Date	Sample ID <sup>a</sup>	Wind Direction	Wind Speed (MPH) <sup>b</sup>	Analytical Results (mg/m <sup>3</sup> )											
					Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Selenium	Silver	Zinc
<u>QA/QC Samples (µg)</u>																
Trip Blank	1/6/11	---	---	---	<2.5	<2.5	<0.5	<0.025	<2.5	<0.5	<0.312	<0.5	<0.0217	<2.5	<0.25	<2.5
Trip Blank	1/11/11	---	---	---	<2.5	<2.5	<0.5	<0.025	<2.5	<0.5	<0.312	<0.5	<0.0217	<2.5	<0.25	<2.5
Trip Blank	1/21/11	---	---	---	<2.5	<2.5	<0.5	<0.025	<2.5	<0.5	<0.312	<0.5	<0.0217	<2.5	<0.25	<2.5
Trip Blank	2/1/11	---	---	---	<0.075	<0.025	0.0417	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0217	<0.05	<0.025	<0.25
Trip Blank	4/13/11	---	---	---	<0.075	<0.025	0.0443	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	4/15/11	---	---	---	<0.075	<0.025	0.0362	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	4/19/11	---	---	---	<0.075	<0.025	0.0261	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	4/22/11	---	---	---	<0.075	<0.025	<0.025	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	4/27/11	---	---	---	<0.075	<0.025	0.0376	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	4/28/11	---	---	---	<0.075	<0.025	0.0407	<0.025	<1.25	0.0511	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/3/11	---	---	---	<0.075	<0.025	0.0709	<0.025	<1.25	0.0887	<0.025	0.0386	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/5/11	---	---	---	<0.075	<0.025	0.0422	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/10/11	---	---	---	<0.075	<0.025	0.0604	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/12/11	---	---	---	<0.075	<0.025	0.0305	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/16/11	---	---	---	<0.075	<0.025	<0.025	<0.025	<1.25	<0.05	0.0308	0.0336	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/19/11	---	---	---	<0.075	<0.025	0.0312	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/24/11	---	---	---	<0.075	<0.025	0.0294	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/26/11	---	---	---	<0.075	<0.025	<0.025	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	5/31/11	---	---	---	<0.075	<0.025	0.0621	<0.025	<1.25	<0.05	<0.025	0.0276	<0.0225	<0.05	<0.025	<0.25
Trip Blank	6/2/11	---	---	---	<0.075	<0.025	0.0284	<0.025	<1.25	1.39	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	6/7/11	---	---	---	<0.075	<0.025	<0.025	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	6/9/11	---	---	---	<0.075	<0.025	<0.025	<0.025	<1.25	<0.05	<0.025	<0.025	<0.0225	<0.05	<0.025	<0.25
Trip Blank	6/14/11	---	---	---	<0.075	<0.025	0.0352	<0.025	<1.25	1.43	<0.025	0.0332	<0.0225	<0.05	<0.025	0.338
Trip Blank	6/16/11	---	---	---	<0.075	<0.025	0.0375	<0.025	<1.25	0.262	0.0262	0.0341	<0.0225	<0.05	<0.025	<0.25
Trip Blank	6/21/11	---	---	---	(pending)											
Trip Blank	6/23/11	---	---	---	(pending)											

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Sample ID	Figure 1		Wind		Analytical Results (mg/m <sup>3</sup> )											
	Sample Date	Sample ID <sup>a</sup>	Wind Direction	Wind Speed (MPH) <sup>b</sup>	Antimony	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Nickel	Mercury	Selenium	Silver	Zinc
OSHA PEL (mg/m3) (8 hour TWA):					0.5	0.01	0.5	0.005	0.5	1	0.05	1	0.05	0.2	0.01	15
NAAQS (mg/m3) (rolling 3-month average):					---	---	---	---	---	---	0.00015	---	---	---	---	---

- mg/m<sup>3</sup> Milligrams per cubic meter
  - MPH Miles per hour
  - QA/QC Field quality assurance/quality control samples
  - µg Micrograms
  - PEL Permissible exposure limit
  - TWA Time-weighted average
  - NAAQS National Ambient Air Quality Standard (Rolling 3-Month Average for lead)
  - a Air sample location shown on attached Figure 1.
  - b Wind speed measured at startup of air sampling pump.
- Notes:
- (1) Samples analyzed by TestAmerica using NIOSH Method 7300 or 7303, except mercury which is analyzed using NIOSH Method 6009.
  - (2) Wind speed measured at the time of air sample collection using Windmate Model WM-100 air velocity meter.
  - (3) Air samples collected using Gilian Model GilAir3 and GilAir5 air sample pumps.