




Tuesday, September 20, 2011


### Independent Laboratory Low Aquatic Toxicity Testing:

In November 2009, FreshAWL, manufacturer of earth conscious waste treatment solutions contracted with McCampbell Analytical, Inc. (Pittsburg, CA) to test FreshAWL® WOW-Air B™ and MILL-FRESH™ products via liquid and vapor samples. Returned test results determined the compounds were not detected above the reporting limits for metals.

The benefits of these results proved the low risk of aquatic toxicity. Additionally, the zero conductivity proves these solutions do not interrupt the workings of wastewater treatment plants or sewage treatment systems.

**The compounds of these solutions also fall well below the limits set by EPA's Part 503 rule for metals. Results from the laboratory test may be viewed in following pages.**

 <b>McC Campbell Analytical, Inc.</b> "When Quality Counts"		1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269					
DataLab	Client Project ID: #90862 & 90863	Date Sampled: 11/11/09					
1893 Concourse Drive		Date Received: 11/16/09					
San Jose, CA 95131	Client Contact: Tim Lundell	Date Extracted: 11/16/09					
	Client P.O.:	Date Analyzed 11/18/09					
<b>Volatile Organics by P&amp;T and GC/MS (Basic Target List)*</b>							
Extraction Method: SW5030B		Analytical Method: SW8260B					
		Work Order: 0911375					
Lab ID	0911375-001A						
Client ID	FreshAWL™ MILL-FRESH™						
Matrix	Liquid						
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	5.0	tert-Amyl methyl ether (TAME)	ND	1.0	5.0
Benzene	ND	1.0	5.0	Bromobenzene	ND	1.0	5.0
Bromochloromethane	ND	1.0	5.0	Bromodichloromethane	ND	1.0	5.0
Bromoform	ND	1.0	5.0	Bromomethane	ND	1.0	5.0
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND	1.0	5.0	sec-Butyl benzene	ND	1.0	5.0
tert-Butyl benzene	ND	1.0	5.0	Carbon Disulfide	ND	1.0	5.0
Carbon Tetrachloride	ND	1.0	5.0	Chlorobenzene	ND	1.0	5.0
Chloroethane	ND	1.0	5.0	Chloroform	ND	1.0	5.0
Chloromethane	ND	1.0	5.0	2-Chlorotoluene	ND	1.0	5.0
4-Chlorotoluene	ND	1.0	5.0	Dibromochloromethane	ND	1.0	5.0
1,2-Dibromo-3-chloropropane	ND	1.0	5.0	1,2-Dibromoethane (EDB)	ND	1.0	5.0
Dibromomethane	ND	1.0	5.0	1,2-Dichlorobenzene	ND	1.0	5.0
1,3-Dichlorobenzene	ND	1.0	5.0	1,4-Dichlorobenzene	ND	1.0	5.0
Dichlorodifluoromethane	ND	1.0	5.0	1,1-Dichloroethane	ND	1.0	5.0
1,2-Dichloroethane (1,2-DCA)	ND	1.0	5.0	1,1-Dichloroethene	ND	1.0	5.0
cis-1,2-Dichloroethene	ND	1.0	5.0	trans-1,2-Dichloroethene	ND	1.0	5.0
1,2-Dichloropropane	ND	1.0	5.0	1,3-Dichloropropane	ND	1.0	5.0
2,2-Dichloropropane	ND	1.0	5.0	1,1-Dichloropropene	ND	1.0	5.0
cis-1,3-Dichloropropene	ND	1.0	5.0	trans-1,3-Dichloropropene	ND	1.0	5.0
Diisopropyl ether (DIPE)	ND	1.0	5.0	Ethylbenzene	ND	1.0	5.0
Ethyl tert-butyl ether (ETBE)	ND	1.0	5.0	Freon 113	ND	1.0	100
Hexachlorobutadiene	ND	1.0	5.0	Hexachloroethane	ND	1.0	5.0
2-Hexanone	ND	1.0	5.0	Isopropylbenzene	ND	1.0	5.0
4-Isopropyl toluene	ND	1.0	5.0	Methyl-t-butyl ether (MTBE)	ND	1.0	5.0
Methylene chloride	ND	1.0	5.0	4-Methyl-2-pentanone (MIBK)	ND	1.0	5.0
Naphthalene	ND	1.0	5.0	n-Propyl benzene	ND	1.0	5.0
Styrene	ND	1.0	5.0	1,1,1,2-Tetrachloroethane	ND	1.0	5.0
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	Tetrachloroethene	ND	1.0	5.0
Toluene	ND	1.0	5.0	1,2,3-Trichlorobenzene	ND	1.0	5.0
1,2,4-Trichlorobenzene	ND	1.0	5.0	1,1,1-Trichloroethane	ND	1.0	5.0
1,1,2-Trichloroethane	ND	1.0	5.0	Trichloroethene	ND	1.0	5.0
Trichlorofluoromethane	ND	1.0	5.0	1,2,3-Trichloropropane	ND	1.0	5.0
1,2,4-Trimethylbenzene	ND	1.0	5.0	1,3,5-Trimethylbenzene	ND	1.0	5.0
Vinyl Chloride	ND	1.0	5.0	Xylenes	ND	1.0	5.0
<b>Surrogate Recoveries (%)</b>							
%SS1:	99		%SS2:	102			
%SS3:	99						
Comments:							
* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.							
ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.							
# surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.							

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		Work Order: 0911375					
Lab ID	0911375-002A						
Client ID	FreshAWL™ WOW-Air B™						
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**CAM / CCR 17 Metals\***

Lab ID	0911375-001A	0911375-002A				Reporting Limit for DF =1; ND means not detected above the reporting limit
Client ID	FreshAWL™ MILL-FRESH™	FreshAWL™ WOW-Air B™				
Matrix	L	L				S      L
Extraction Type	TOTAL	TOTAL				mg/kg    mg/L

**ICP-MS Metals, Concentration\***

Analytical Method: 6020A      Extraction Method: SW3050B      Work Order: 0911375

Dilution Factor	1	1			1	1
Antimony	ND	ND			NA	0.5
Arsenic	ND	ND			NA	0.5
Barium	ND	ND			NA	5.0
Beryllium	ND	ND			NA	0.5
Cadmium	ND	ND			NA	0.25
Chromium	ND	ND			NA	0.5
Cobalt	ND	ND			NA	0.5
Copper	ND	ND			NA	0.5
Lead	ND	ND			NA	0.5
Mercury	ND	ND			NA	0.05
Molybdenum	ND	ND			NA	0.5
Nickel	ND	ND			NA	0.5
Selenium	ND	ND			NA	0.5
Silver	ND	ND			NA	0.5
Thallium	ND	ND			NA	0.5
Vanadium	ND	ND			NA	0.5
Zinc	ND	ND			NA	5.0
%SS:	100	90				

**Comments**

\*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

# means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.  
 TRM = total recoverable metals by "direct analysis".  
 DISS = dissolved metals by suitable filtration and acid preservation.  
 WET = Waste Extraction Test (STLC).  
 DI WET = Waste Extraction Test using de-ionized water.