

I received lab <sup>8-19-9</sup>  
results from  
CCAS, not  
from ARB.  
Beyond check.

COMPANY: SOLAR TURBINE, INC.  
 STE: SAN MARCOS LANDFILL  
 REPORT #: 89-017

VINYL CHLORIDE, BENZENE AND VINYLIDENE  
 CHLORIDE RESULTS

TURBINE #1:

RUN #	DSCFM	VINYL CHLORIDE		BENZENE		1,1-DCE	
		PPbv	lb/hr	PPbv	lb/hr	PPbv	lb/hr
INLET #1	10162	3400 ✓	0.3414	1400 ✓	0.1757	310 ✓	0.0479
INLET #2	10013	2600 ✓	0.2572	1800 ✓	0.2226	200 ✓	0.0304
INLET #3	10197	4800 ✓	0.4836	1900 ✓	0.2393	470 ✓	0.0728
AVERAGES		3600 ✓	0.3607	1700	0.2125	327	0.0504

RUN #	DSCFM	VINYL CHLORIDE		BENZENE		1,1-DCE	
		PPbv	lb/hr	PPbv	lb/hr	PPbv	lb/hr
OUTLET #1	10162	0	0 ✓	2.6 ✓	0.0003	0 ✓	0.0000
OUTLET #2	10013	0	0 ✓	1.6 ✓	0.0002	0 ✓	0.0000
OUTLET #3	10197	0	0 ✓	2.3 ✓	0.0003	0 ✓	0.0000
AVERAGES		0	0.0000	2.2	0.0003	0	0.0000
% DESTRUCTION EFF.			100		99.9		100

$$\text{lb/hr} = \text{ppbv} * 1/1000 * .0000001581 * \text{MW} * \text{DSCFM}$$

MW of Vinyl Chloride = 62.5  
 MW of Benzene = 78.12  
 MW of 1,1-DCE = 96.14

Central  
Coast  
Analytical  
Services

Central Coast  
Analytical Services, Inc.  
141 Suburban Road, Suite C-4  
San Luis Obispo, California 93401  
(805) 543-2553

Lab Number: F-8565  
Collected: 06/26/89  
Received: 06/28/89  
Tested: 06/29/89  
Collected by: Leslie Johnson

SUBMITTED BY:  
PetroChem Environmental Services  
3000 Cherry Avenue  
Long Beach, CA 90807

SAMPLE DESCRIPTION:  
Project #89-017  
Turbine #1, Inlet #1  
Canister #416

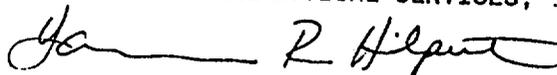
CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

Compound Analyzed	Detection Limit ppbv	Concentrations	
		ug/cu M	ppbv
Benzene	0.09	4900.	1400.
Vinyl Chloride	0.2	9400.	3400. ..
1,1-Dichloroethylene	0.1	1400.	310.

Note: Constituents reported as not found would have been reported if present at or above the listed detection limit.

Respectfully submitted,  
CENTRAL COAST ANALYTICAL SERVICES, INC.



Laurence R. Hilpert, Ph.D.  
Vice President

MSD #1  
F8565air/LRH79  
LRH/crr/lrh

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Services

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Lab Number: F-8566  
Collected: 06/26/89  
Received: 06/28/89  
Tested: 06/29/89  
Collected by: Leslie Johnson

SUBMITTED BY:  
PetroChem Environmental Services  
300 Cherry Avenue  
Long Beach, CA 90807

SAMPLE DESCRIPTION:  
Project #89-017  
Turbine #1, Inlet #2  
Canister #101

CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

Compound Analyzed	Detection Limit ppbv	Concentrations	
		ug/cu M	ppbv
Benzene	0.09	6200.	1800.
Vinyl Chloride	0.2	7300.	2600.
1,1-Dichloroethylene	0.1	850.	200.

Note: Constituents reported as not found would have been reported if present at or above the listed detection limit.

Respectfully submitted,  
CENTRAL COAST ANALYTICAL SERVICES, INC.

Laurence R. Hilpert, Ph.D.  
Vice President

MSD #1  
F8566air/LRH79  
LRH/crr/lrh

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Analytical  
Services

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San Luis Obispo, California 93401  
(805) 543-2553

Lab Number: F-8567  
Collected: 06/26/89  
Received: 06/28/89  
Tested: 06/29/89  
Collected by: Leslie Johnson

SUBMITTED BY:  
PetroChem Environmental Services  
300 Cherry Avenue  
Long Beach, CA 90807

SAMPLE DESCRIPTION:  
Project #89-017  
Turbine #1, Inlet #3  
Canister #411

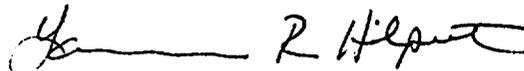
CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

Compound Analyzed	Detection Limit	Concentrations	
	ppbv	ug/cu M	ppbv
Benzene	0.09	6600.	1900.
Vinyl Chloride	0.2	13000.	4800.
1,1-Dichloroethylene	0.1	2000.	470.

Note: Constituents reported as not found would have been reported if present at or above the listed detection limit.

Respectfully submitted,  
CENTRAL COAST ANALYTICAL SERVICES, INC.



Laurence R. Hilpert, Ph.D.  
Vice President

MSD #1  
F8567air/LRH79  
LRH/crr/lrh