

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-8568
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, Outlet #1
Canister #014

CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

Compound Analyzed	Detection Limit ppbv	Concentrations	
		ug/cu M	ppbv
Benzene	0.09	9.2	2.6
Vinyl Chloride	0.2	not found	not found
1,1-Dichloroethylene	0.1	not found	not found

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
F8568air/LRH79
LRH/crr/lrh

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-8571
Collected: 06/26/89
Received: 06/28/89
Tested: 06/30/89
Collected by: Leslie Johnson

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

SAMPLE DESCRIPTION:
Project #89-017
Turbine #1, ~~toxic~~ #2
Canister #412 ~~outlet~~

CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

Compound Analyzed	Detection Limit ppbv	Concentrations ug/cu M	ppbv
Benzene	0.09	5.5	1.6
Vinyl Chloride	0.2	not found	not found
1,1-Dichloroethylene	0.1	not found	not found

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
F8571air/LRH79
LRH/crr/lrh

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-8569
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, Outlet #3
Canister #017

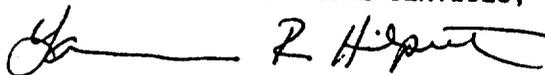
CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

Compound Analyzed	Detection Limit	Concentrations	
	ppbv	ug/cu M	ppbv
Benzene	0.09	8.0	2.3 ✓
Vinyl Chloride	0.2	not found	not found
1,1-Dichloroethylene	0.1	not found	not found

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
F8569air/LRH79
LRH/crr/lrh

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: QA SPIKE
Collected:
Received:
Tested: 06/30/89
Collected by: EJAC

SUBMITTED BY:
CCAS

SAMPLE DESCRIPTION:
CERTIFIED REFERENCE STANDARDS
Benzene 107, Carbon Tetrachloride
Chloroform 104, Tetrachloroethylene
Vinyl Chloride 97 ppbv.

*Samps tested
6-28 & 6-29
also tested 6-29, of meth P7*

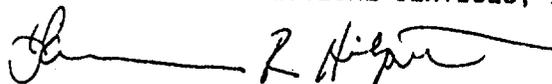
CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

Compound Analyzed	Detection Limit ppbv	Concentrations ug/cu M	ppbv
Benzene	0.09	398.	114.
Carbon Tetrachloride	0.07	725.	106.
Chloroform	0.09	567.	106.
1,2-Dichloroethane	0.1	not found	not found
Ethylene Dibromide	0.06	not found	not found
Methylene Chloride	1.0	not found	not found
Tetrachloroethylene(PCE)	0.1	747.	101.
1,1,1-Trichloroethane(TCA)	0.08	not found	not found
Trichloroethylene(TCE)	0.09	not found	not found
Vinyl Chloride	0.2	260.	93.
1,1-Dichloroethylene	0.1	not found	not found

STATEMENT OF ACCURACY AND PRECISION: The mean percent recovery is 98.
The standard deviation is 6.7.

Respectfully submitted,
CENTRAL COAST ANALYTICAL SERVICES, INC.



Laurence R. Hilpert, Ph.D.
Vice President

MSD #1
S063089/LRH79
LRH/crr/lrh

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: QA SPIKE
Collected:
Received:
Tested: 06/29/89
Collected by: EJAC

SUBMITTED BY:
CCAS

SAMPLE DESCRIPTION:
CERTIFIED REFERENCE STANDARD
Benzene 107, Carbon Tetrachloride 108,
Chloroform 104, Tetrachloroethylene 113,
Vinyl Chloride 97 ppbv.

CALDERON TESTING

GAS CHROMATOGRAPHIC/MASS SPECTROMETRIC ANALYSIS REPORT

OK

Compound Analyzed	Detection Limit ppbv	Concentrations ug/cu M	ppbv
Benzene	0.09	392.	113.
Carbon Tetrachloride	0.07	771.	112.
Chloroform	0.09	580.	109.
1,2-Dichloroethane	0.1	not found	not found
Ethylene Dibromide	0.06	not found	not found
Methylene Chloride	1.0	not found	not found
Tetrachloroethylene(PCE)	0.1	806.	109.
1,1,1-Trichloroethane(TCA)	0.08	not found	not found
Trichloroethylene(TCE)	0.09	not found	not found
Vinyl Chloride	0.2	271.	97.
1,1-Dichloroethylene	0.1	not found	not found

STATEMENT OF ACCURACY AND PRECISION: The mean percent recovery is 102.
The standard deviation is 4.2.

Respectfully submitted,
CENTRAL COAST ANALYTICAL SERVICES, INC.



Laurence R. Hilpert, Ph.D.
Vice President

MSD #1
S062989/LRH79
LRH/crr/lrh