SOUTH COAST ENVIRONMENTAL COMPANY

1915 McKinley Ave.
Suite E
La Verne, CA 91750
714-596-0540
714-596-5619 (FAX)

CHAIN OF CUSTODY RECORD

CLIENT: PEn JOB #: T1265

LAB: Atmospheric Assesment Samplers: (signature)

Run Number	Station Location	Date	Time	Sample Type: Water comp	Sample Type: Water grab	Sample Type: AIR	Sample ID #	Analysis Required
1	ICE #1 - Exhaust	4/3	1400			✓	#1	Benzene, Methylene chloride, Vinyl Chloride
2	" " "	4/3	~~1200~~ 1400			✓	#2	" " " " "
3	" " "	4/3	1412			✓	#3	" " " " "
1	ICE #1 - Fuel Inlet	4/3	~~1300~~ 1400 ~~12:50~~			✓	#1 - Inlet	HCL, Benzene, Vinyl CL, MeCL, Chlorine, Suthur
2	" #2 - Fuel " Inlet	4/3	1400 ~~13:00~~			✓	#2 - Inlet	"
3	#3 - Fuel " Inlet	4/3	1414 ~~13:00~~			✓	#3 - Inlet	"

RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE/TIME
		4/3 1500
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE/TIME
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE/TIME
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE/TIME

DISPATCHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY LAB BY:	DATE/TIME

METHOD OF SHIPMENT:

Enseco
A Corning Company

☒ ... Lincoln Way, Garden Grove, CA 926.., (714) 898-...
☐ 2810 Bunsen Ave., Unit A Ventura, CA 93003, (805) 650-0546
☐ 2325 Skyway Dr., Unit K, Santa Maria, CA 93455, (805) 922-2776
☐ 9537 Telstar Ave., Unit 118, El Monte, CA 91731, (818) 442-8400
☐ Mobile Labs, (800) ENSECO-8

CHAIN OF CUSTODY RECORD

Date 4-12-91 Page 1 of 1
Lab Number ~~6-9110~~ NC 6-9109928

CLIENT Enseco-CRL Garden Grove
ADDRESS TO: South Coast Environmental
PROJECT NAME T1265 PEn
CONTRACT / PURCHASE ORDER / QUOTE #

PROJECT MANAGER Neal Conroy
PHONE NUMBER (714) 898-6370
SITE CONTACT Kieth Shannon

ANALYSES

Sample No. / Identification	Date	Time	Lab Sample Number	SAMPLE TYPE LIQ.	AIR	SOLID	No. of Containers	Sample Condition/ REMARKS
Run #1 Front + Back Half	4/3		6-9109928-001	X			2	Returning Samples to Client
Run #2 Front	4/5		-002	X			1	
Run #3 Front	↓		-003	X			1	
Run #1 HCL - Filter #1	4/3		-001			X	1	
Run #2 #2	4/5		-002			X	1	
Run #3 #3	↓		-003			X	1	

SAMPLERS: (Signature)

Relinquished by: (Signature) Nils J. Congo

Relinquished by: (Signature)

Received by: (Signature) Date Time

Received by: (Signature) Date Time

Date Time Received for Laboratory by:

RECEIVED Date Time

ACCEPTED Date Time

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Enseco Terms and Conditions, unless a contract or purchase order has been executed and is cited above.

Method of Shipment: Fed-Ex #9532730130

Special Instructions:

SAMPLE DISPOSITION:
1. Storage time requested:__________days
(Samples will be stored for 30 days without additional charges; thereafter storage charges will be billed at the published rates.)
2. Sample to be returned to client: Y N
(Enseco will dispose of unreturned samples at no extra charge. Disposal will be by incineration wherever possible; otherwise, as appropriate, according to legal requirements.)

ENS—1145

DISTRIBUTION: White with report, Yellow to Enseco, Pink to Courier, Gold to Sample Control

Dry Gas Meter Sample Calibration Data
(English units)

Date 8-1-90 Calibrated by Leslie Johnson Meter box number DGM 684806 (NJTech I)

Barometer pressure, P_m = 30.27 in. Hg Wet test meter number Ref #1 -

Dry test meter temperature correction factor _____ °F

Reference ~~Wet test~~ meter pressure drop (D_m).[a] in. H_2O	Rotameter setting (R_s) ft³/min	Reference ~~Wet test~~ meter gas volume (V_w).[b] ft³	Dry test meter gas volume (V_d).[b] ft³		Reference ~~Wet test~~ meter gas temp (t_w). °F	Dry test meter					(Y_i).[f]
			Initial	Final		Inlet gas temp (t_{d_i}). °F	Outlet gas temp (t_{d_o}). °F	Average gas temp (t_d).[c] °F	Time of run (θ).[d] min	Average ratio (Y).[e]	
2		10.518	5.100	15.579	70	71	73	72	14	1.0007	
~~2~~ 0.75		10.324	16.252	26.581	70.5	73	76	74.5	22	1.0052	
~~2~~ 6.0		10.409	27.973	38.372	71	77	81	79	8.0	1.0014	

[a] D_m expressed as a negative number.
[b] Volume passing through meter. Dry gas volume is minimum for at least five revolutions of the meter.
[c] The average of t_{d_i} and t_{d_o} if using two thermometers; the actual reading if using one thermometer.
[d] The time it takes to complete the calibration run.
[e] With Y defined as the average ratio of volumes for the wet test and the dry test meters, $Y_i = Y \pm 0.02\,Y$ for calibration and $Y_i = Y \pm 0.05\,Y$ for the posttest checks, thus,

$$Y_i = \frac{V_w\,(t_d + 460°F)\,|P_m + (D_m/13.6)|}{V_d\,(t_w + 460°F)\,(P_m)} \quad \text{(Eq. 1)} \qquad Y = \frac{Y_1 + Y_2 + Y_3}{3} = 1.0024 \quad \text{(Eq. 2)}$$

[f] With Y_i defined as the average ratio of volumetric measurement by wet test meter to rotameter. Tolerance $Y_i = 1 \pm 0.05$ for calibration and $Y \pm 0.1$ for posttest checks

$$Y_i = \frac{V_w\,(t_d + 460°F)\,|P_m + (D_m/13.6)|\,(60)}{\theta\,(t_w + 460°F)\,(P_m)\,(0.035)} \quad \text{(Eq. 3)} \qquad Y_i = \frac{Y_1 + Y_2 + Y_3}{3} = \quad \text{(Eq. 4)}$$

Dry Gas Meter Sample Calibration Data
(English units)

Date 8·1·90 Calibrated by Leslie Tolusa Meter box number 190-529 Anderson

Barometer pressure, P_m = 29.46 in. Hg Wet test meter number

Dry test meter temperature correction factor °F

Wet test meter pressure drop (D_m)[a] in. H_2O	Rotameter setting (R_m) ft³/min	Wet test meter gas volume (V_w)[b] ft³	Dry test meter gas volume (V_d)[b] ft³		Wet test meter gas temp (t_w) °F	Dry test meter					(Y_1)[f]
			Initial	Final		Inlet gas temp (t_{d_1}) °F	Outlet gas temp (t_{d_2}) °F	Average gas temp (t_d)[c] °F	Time of run (θ)[d] min	Average ratio (Y)[e]	
1		5	16.245	21.310	79	89	83	86	8.6	0.9975	
2		5	22.425	27.4825	78	90	86	88	6.25	1.0020	
4		5	29.600	34.635	78	91	87	89	4.40	1.0038	

[a] D_m expressed as a negative number.
[b] Volume passing through meter. Dry gas volume is minimum for at least five revolutions of the meter.
[c] The average of t_{d_1} and t_{d_2} if using two thermometers; the actual reading if using one thermometer.
[d] The time it takes to complete the calibration run.
[e] With Y defined as the average ratio of volumes for the wet test and the dry test meters, $Y_1 = Y \pm 0.02\ Y$ for calibration and $Y_1 = Y \pm 0.05\ Y$ for the posttest checks, thus,

$$Y_1 = \frac{V_w\,(t_d + 460°F)\,[P_m + (D_m/13.6)]}{V_d\,(t_w + 460°F)\,(P_m)} \quad \text{(Eq. 1)} \qquad Y = \frac{Y_1 + Y_2 + Y_3}{3} = 1.0009 \quad \text{(Eq. 2)}$$

[f] With Y_1 defined as the average ratio of volumetric measurement by wet test meter to rotameter. Tolerance $Y_1 = 1 \pm 0.05$ for calibration and $Y \pm 0.1$ for posttest checks

$$Y_{1_1} = \frac{V_w\,(t_d + 460°F)\,[°_m + (D_m/13.6)]\,(60)}{\theta\,(t_w + 460°F)\,(P_m)\,(0.035)} \quad \text{(Eq. 3)} \qquad Y_1 = \frac{Y_1 + Y_2 + Y_3}{3} = \quad \text{(Eq. 4)}$$