4 de febrero de 2025
Archivo No. 07224200.24, Tarea 4

Por e-mail
Karen Gork
Jefa Especialista en Salud Ambiental
Agencia de Cumplimiento Local del Departamento
de Salud Pública del Condado de Los Ángeles
5050 Commerce Drive
Baldwin Park, California 91706
KGork@ph.lacounty.gov

Asunto: **Resultados Analíticos del Gas Fijo (CH4, CO2, O2) para Pozos Seleccionados por la LEA Utilizando tiempos de Retención de 24 Horas y de 72 Horas para el Vertedero de Chiquita Canyon, Castaic, California**

Estimada Sra. Gork:

SCS Engineers (SCS), en nombre de Chiquita Canyon, LLC (Chiquita), mediante el presente instrumento le proporciona al Programa de Gestión de Desechos Sólidos del Departamento de Salud Pública del Condado de Los Ángeles, que actúa como Agencia de Cumplimiento Local (LEA) los resultados analíticos de los gases fijos (CH4, CO2 y O2) para diez (10) muestras tomadas de diez (10) pozos de extracción de biogás (LFG) ubicados en el Vertedero de Chiquita Canyon (el Vertedero) utilizando intervalos de 24 horas y de 72 horas. Este estudio se realizó conforme a la correspondencia de la LEA para demostrar que los análisis en tiempos de retención de 24 y 72 horas dan resultados similares, para ayudar en la solicitud de Chiquita de utilizar el tiempo de retención de 72 horas aprobado por la EPA para los datos de los Objetivos 1A-3 y 5.

La correspondencia de la LEA del 20 de noviembre de 2024 sobre los Objetivos 1A-3 y 5 indicaba:

> *Si el CCL desea utilizar entregas de 72 horas en bolsas Tedlar para gases fijos, CCL debe presentar un plan de toma de muestras con QA/QC para determinar si los tiempos de retención de 24/72 horas son similares. El plan deberá incluir un mínimo de 10 muestras de 10 bolsas Tedlar discretas para gases fijos en intervalos de 24 horas y de 72 horas. Los resultados deben ser de menos de +/-10%. Una vez presentados los resultados y sean aprobados por la LEA, el vertedero podrá proceder a utilizar el tiempo de toma de muestras de 72 horas.*

La LEA además indicó en su respuesta del 3 de diciembre de 2024 a la carta de Chiquita del 27 de noviembre de 2024 que, si no es posible un tiempo de retención de 24 horas utilizando bolsas Tedlar, Chiquita podría usar recipientes Summa para las muestras.

Las muestras se tomaron el 16 de diciembre de 2024 y se analizaron los gases fijos indicados en los Objetivos 1A-3 y 5 de la Orden de Cumplimiento de la LEA con fecha 6 de junio de 2024 (Orden de Cumplimiento)

(CH4, CO2 y O2) dentro de las 24 horas, el 16 de diciembre de 2024 y nuevamente dentro de las 72 horas el 19 de diciembre de 2024. Air Technology Laboratories, Inc. proporcionó aseguramiento de la calidad/control de calidad (QA/QC) estándar durante el análisis. Se realizaron análisis de las muestras dentro de los criterios de desempeño del método y se cumplieron todos los requerimientos de las Normas TNI. Los resultados finales y de QA/QC se proporcionan en el Adjunto A.

A continuación se encuentra un resumen de los resultados de los gases fijos (CH4, CO2 y O2) de 10 pozos (CV-2351, CV-2352, CV-2353, CV-2354, CV-24099, CV-24102, CV-24139, CV-24140, CV-24141 y CV-24143) junto al cambio asociado a los resultados entre las muestras analizadas, dentro de las 24 y 72 horas.

	Realizado el
Recolección de muestras	16/12/2024
Análisis dentro de las 24 horas	16/12/2024
Análisis dentro de las 72 horas	19/12/2024

	Metano (%v/v)			Dióxido de carbono (%v/v)			Oxígeno (%v/v)		
Código del Pozo	**24 Horas de Retención**	**72 Horas de Retención**	**Cambio (%)**	**24 Horas de Retención**	**72 Horas de Retención**	**Cambio (%)**	**24 Horas de Retención**	**72 Horas de Retención**	**Cambio (%)**
CV-2351	2.9	2.9	0.0%	78	78	0.0%	0.52	0.53	1.9%
CV-2352	1.4	1.5	6.7%	67	66	-1.5%	2.3	2.5	8.0%
CV-2353	1.5	1.5	0.0%	67	66	-1.5%	1.9	2.1	9.5%
CV-2354	13	12	-8.3%	69	70	1.4%	0.66	0.64	-3.1%
CV-24099	18	19	5.3%	78	75	-4.0%	ND	0.92	---
CV-24102	0.62	0.62	0.0%	2.6	2.6	0.0%	20	20	0.0%
CV-24139	2.5	2.4	-4.2%	71	71	0.0%	ND	0.67	---
CV-24140	3.5	3.4	-2.9%	54	54	0.0%	5.6	5.8	3.4%
CV-24141	40	39	-2.6%	54	54	0.0%	0.70	0.82	14.6%
CV-24143	6.8	6.8	0.0%	45	46	2.2%	7.6	7.5	-1.3%

Los análisis en 24 horas vs. 72 horas de las muestras de estos 10 pozos confirman que los tiempos de retención son similares y que las 48 horas adicionales para analizar estas muestras no impactan significativamente los resultados de CH4, CO2 o O2. Todos los resultados de los análisis dentro de las 72 horas recayeron dentro del +/- 10% de los resultados dentro de las 24 horas, excepto un resultado (O2 en CV-24141) donde un solo analito fue un 14.6% más alto utilizando el tiempo de muestreo de 72 horas debido a niveles muy bajos del analito detectado durante ambos análisis. Esta diferencia del 14.6% no es un motivo de preocupación, porque la diferencia en el valor general del analito es de solo un 0.12 %v/v., que no es significativo. El promedio global del valor absoluto del cambio fue del 3.0% para CH4, del 1.1% para CO2 y del 5.2% para O2.

Dados los resultados de este comparativo de análisis dentro de las 24 horas vs. dentro de las 72 horas, solicitamos respetuosamente que la LEA apruebe la solicitud de Chiquita de un tiempo de retención de 72 horas para los análisis de gases fijos de las muestras tomadas en el Vertedero de Chiquita Canyon para cumplir con los Objetivos 1A-3 y 5 y con requerimientos de elaboración de informes similares.

Atentamente,

William C. Haley, PE
Director del Proyecto
SCS Engineers

Arthur E Jones Jr.
Vicepresidente
SCS Engineers

Adjunto: Análisis de Laboratorio y QA/ QC (Adjunto A)

Los Datos Electrónicos de los Resultados de Laboratorio están en formato Excel

cc:

John Perkey, Waste Connections
Kelly Kincella, Waste Connections
Kate Logan, Waste Connections
Nicole Ward, Waste Connections
Amanda Froman, Waste Connections
Michael Hearns, Waste Connections
Pat Sullivan, SCS Engineers
Robert Ragland, Departamento de Salud Pública del Condado de Los Ángeles
Liza Frías, Departamento de Salud Pública del Condado de Los Ángeles
Nichole Quick, M.D., Departamento de Salud Pública del Condado de Los Ángeles
Shikari Nakagawa-Ota, Departamento de Salud Pública del Condado de Los Ángeles
Ken Habaradas, LEA del Condado de Los Ángeles
Eric Morofuji, LEA del Condado de Los Ángeles
Renee Jensen, Asesor de LEA
Blaine McPhillips, Asesor Suplente Sénior del Condado
Emiko Thompson, Departamento de Obras Públicas del Condado de Los Ángeles
Alex Garcia, Departamento de Planificación Regional del Condado de Los Ángeles
Ai-Viet Huynh, Departamento de Planificación Regional del Condado de Los Ángeles
Wes Mindermann, CalRecycle
Janelle Heinzler, CalRecycle
Todd Thalhamer, CalRecycle
Jeff Linberg, Junta de Recursos de Aire de California
Nancy Fletcher, Junta de Recursos de Aire de California
Jack Cheng, Consejo de Gestión de la Calidad del Aire de la Costa Sur
Larry Israel, Consejo de Gestión de la Calidad del Aire de la Costa Sur
Enrique Casas, Junta Regional de Control de Calidad del Agua de Los Ángeles
Joshua Wirtschafter, Agencia de Protección Ambiental de Estados Unidos
Laura Friedli, Agencia de Protección Ambiental de Estados Unidos
Tyler Holybee, Agencia de Protección Ambiental de Estados Unidos
Mark Anthony Relon, Agencia de Protección Ambiental de Estados Unidos

ATTACHMENT A

AirTECHNOLOGY
Laboratories, Inc.

January 6, 2025

LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C, ASTM D1946, RSK-175
TX Cert T104704450-14-6
EPA Methods TO14A, TO15
UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175
ALASKA CS-LAP 24-002
EPA Methods TO14A, TO15

SCS Field Services
ATTN: Cornelius Fong
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806

LABORATORY TEST RESULTS

Project Reference: Chiquita Canyon Landfill
Project Number: 07224200.24 Task 1
Lab Number: R121605-01/20

Enclosed are results for sample(s) received 12/16/24 by Air Technology Laboratories. Samples were received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Modifications to EPA Method TO-15 – Samples collected in Mylar bags. Vinyl acetate, 2-hexanone, benzyl chloride, 1,2,4-trichlorobenzene and ethyl acetate required quadratic regression calibration.
- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

Preliminary results were e-mailed to Cornelius Fong, Jenny Kim and Ali Ferrara on 1/03/25.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME				DELIVERABLES		PAGE: 1 OF 2
Standard	■	48 hours	☐	EDD	■	Condition upon receipt:
Same Day	☐	72 hours	☐	EDF	☐	Sealed Yes ☐ No ☐
24 hours	☐	96 hours	☐	Level 3	☐	Intact Yes ☐ No ☐
Other:				Level 4	☐	Chilled _____ deg C

Project No.:	07224200.24 Task 1
Project Name:	Chiquita Canyon Landfill
Report To:	Cornelius Fong
Company:	SCS Engineers
Street:	3900 Kilroy Airport Way, Suite 100
City/State/Zip:	Long Beach, CA 90806-6816
Phone& Fax:	562-743-7895
e-mail:	cfong@scsengineers.com

BILLING

P.O. No.:	07-SO05310
Bill to:	
	07FSAccountspayable@scsengineers.com
	3900 Kilroy Airport Way, Suite 100
	Long Beach, CA 90806-6816

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	CH4, CO2, O2, N2 ASTM D1946	Carbon Monoxide EPA ALT-144	Hydrogen ASTM D1946	VOCs EPA TO-15		
R121605-01	CV-24140	12/16/2024	10:25am	3L	Gas	N	X	X	X	X		
-02	CV-24140	12/16/2024	10:30am	3L	Gas	N	X	X	X	X	→	
-03	CV-24099	12/16/2024	11:30am	3L	Gas	N	X					
-04	CV-24099	12/16/2024	11:35am	3L	Gas	N	X					
-05	CV-2351	12/16/2024	9:20am	3L	Gas	N	X	X	X	X		
-06	CV-2351	12/16/2024	9:25am	3L	Gas	N	X	X	X	X	-*	
-07	CV-24139	12/16/2024	11:05am	3L	Gas	N	X	X	X	X		
-08	CV-24139	12/16/2024	11:10am	3L	Gas	N	X	X	X	X	-*	
-09	CV-24143	12/16/2024	10:10am	3L	Gas	N	X	X	X	X		
-10	CV-24143	12/16/2024	10:15am	3L	Gas	N	X	X	X	X	-*	

ANALYSIS REQUEST

AUTHORIZATION TO PERFORM WORK	COMPANY		DATE/TIME
SAMPLED BY Eric Arias	COMPANY SCS		DATE/TIME 11:30 am 12/16/24
RELINQUISHED BY	DATE/TIME 12/16/24 1:05	RECEIVED BY	DATE/TIME 12/16/24 1:07
RELINQUISHED BY	DATE/TIME 12/16/24 2:13	RECEIVED BY	DATE/TIME 12/16/24 1413
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS **Courier** ATLI Other_____

COMMENTS
Report full list of TO-15 compounds
Raw landfill gas samples
FLAMMABLE
* Analyze primary smpls, do not analyze secondary per J. Kim - 12/16/24
Analyze D1946 in 24hr and again in 72hr if pos per J Kim 12/16/24

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCl **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other *Rev. 03 - 5/7/09*

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Ave., Suite 130
City of Industry, CA 91748
Ph: 626-964-4032
Fx: 626-964-5832

CHAIN OF CUSTODY RECORD

TURNAROUND TIME

Standard	■	48 hours	☐
Same Day	☐	72 hours	☐
24 hours	☐	96 hours	☐
Other:			

DELIVERABLES

EDD	■
EDF	☐
Level 3	☐
Level 4	☐

PAGE: 2 OF 2

Condition upon receipt:
Sealed Yes ☐ No ☐
Intact Yes ☐ No ☐
Chilled _____ deg C

Project No.:	07224200.24 Task 1
Project Name:	Chiquita Canyon Landfill
Report To:	Cornelius Fong
Company:	SCS Engineers
Street:	3900 Kilroy Airport Way, Suite 100
City/State/Zip:	Long Beach, CA 90806-6816
Phone& Fax:	562-743-7895
e-mail:	cfong@scsengineers.com

BILLING

P.O. No.:	07-SO05310
Bill to:	
	07FSAccountspayable@scsengineers.com
	3900 Kilroy Airport Way, Suite 100
	Long Beach, CA 90806-6816

LAB USE ONLY	SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	CONTAINER QTY/TYPE	MATRIX	PRESERVATION	CH4, CO2, O2, N2 ASTM D1946	Carbon Monoxide EPA ALT-144	Hydrogen ASTM D1946	VOCs EPA TO-15		
R121605-11	CV-2352	12/16/2024	9:00am	3L	Gas	N	X	X	X			
-12	CV-2352	12/16/2024	9:05am	3L	Gas	N	X	X	X	-A		
-13	CV-2354	12/16/2024	11:15am	3L	Gas	N	X	X	X			
-14	CV-2354	12/16/2024	11:20am	3L	Gas	N	X	X	X	-A		
-15	CV-2353	12/16/2024	10:45am	3L	Gas	N	X	X	X			
-16	CV-2353	12/16/2024	10:50am	3L	Gas	N	X	X	X	-A		
-17	CV-24141	12/16/2024	9:45am	3L	Gas	N	X	X	X			
-18	CV-24141	12/16/2024	9:50am	3L	Gas	N	X	X	X	-A		
-19	CV-24102	12/16/2024	11:45am	3L	Gas	N	X					
-20	CV-24102	12/16/2024	11:50am	3L	Gas	N	X					

ANALYSIS REQUEST

AUTHORIZATION TO PERFORM WORK	COMPANY	DATE/TIME	
SAMPLED BY: Eric Arias	COMPANY: scs	DATE/TIME: 11:30am 12/16/24	
RELINQUISHED BY: [signature]	DATE/TIME: 12/16/24 1:07pm	RECEIVED BY: S Ferrer	DATE/TIME: 12/16/24 1:07
RELINQUISHED BY: S Ferrer	DATE/TIME: 12/16/24 2:13	RECEIVED BY: [signature]	DATE/TIME: 12/16/24 1413
RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME

METHOD OF TRANSPORT (circle one): Walk-In FedEx UPS **Courier** ATLI Other_____

COMMENTS
Report full list of TO-15 compounds
Raw landfill gas samples
FLAMMABLE
* Hold because sample QD 12/16/24

DISTRIBUTION: White & Yellow - Lab Copies / Pink - Customer Copy

Preservation: **H**=HCl **N**=None / Container: **B**=Bag **C**=Can **V**=VOA **O**=Other *Rev. 03 - 5/7/09*

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: ppmv

EPA ALT-144 (CO by FID)

Lab No.:	R121605-01		R121605-05		R121605-07		R121605-09	
Client Sample I.D.:	CV-24140		CV-2351		CV-24139		CV-24143	
Date/Time Sampled:	12/16/24 10:25		12/16/24 9:20		12/16/24 11:05		12/16/24 10:10	
Date/Time Analyzed:	12/16/24 19:53		12/16/24 20:22		12/16/24 20:37		12/16/24 20:51	
QC Batch No.:	241216GC8A2		241216GC8A2		241216GC8A2		241216GC8A2	
Analyst Initials:	KD		KD		KD		KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result ppmv	RL ppmv	Result ppmv	RL ppmv	Result ppmv	RL ppmv	Result ppmv	RL ppmv
Carbon Monoxide	1,500	10	2,700	10	1,400	10	1,000	10

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 1-03-25
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: ppmv

EPA ALT-144 (CO by FID)

Lab No.:	R121605-11		R121605-13		R121605-15		R121605-17	
Client Sample I.D.:	CV-2352		CV-2354		CV-2353		CV-24141	
Date/Time Sampled:	12/16/24 9:00		12/16/24 11:15		12/16/24 10:45		12/16/24 9:45	
Date/Time Analyzed:	12/16/24 21:06		12/16/24 21:20		12/16/24 21:35		12/16/24 21:49	
QC Batch No.:	241216GC8A2		241216GC8A2		241216GC8A2		241216GC8A2	
Analyst Initials:	KD		KD		KD		KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result ppmv	RL ppmv	Result ppmv	RL ppmv	Result ppmv	RL ppmv	Result ppmv	RL ppmv
Carbon Monoxide	1,800	10	3,500	10	1,400	10	83	10

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Monika Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

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18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

QC Batch No: 241216GC8A2
Matrix: Air
Reporting Units: ppmv

EPA ALT-144 (CO by FID)
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	12/16/24 16:45			12/16/24 15:47		12/16/24 16:01					
Analyst Initials:	KD			KD		KD					
Dilution Factor:	1.0			1.0		1.0			Limits		
ANALYTE	Result ppmv	RL ppmv	SPIKE AMT. ppmv	Result ppmv	% Rec.	Result ppmv	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Carbon Monoxide	ND	10	1,010	1,170	116	1,150	113	1.8	70	130	30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Amika Sotelo Sanchez

Date 1-03-25

Mark Johnson
Operations Manager

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Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-01			R121605-05			R121605-07			R121605-09		
Client Sample I.D.:	CV-24140			CV-2351			CV-24139			CV-24143		
Date/Time Sampled:	12/16/24 10:25			12/16/24 9:20			12/16/24 11:05			12/16/24 10:10		
Date/Time Analyzed:	12/16/24 19:53			12/16/24 20:22			12/16/24 20:37			12/16/24 20:51		
QC Batch No.:	241216GC8A2			241216GC8A2			241216GC8A2			241216GC8A2		
Analyst Initials:	KD			KD			KD			KD		
Dilution Factor:	1.0			1.0			1.0			1.0		
ANALYTE	Result % v/v	RL % v/v	MDL % v/v	Result % v/v	RL % v/v	MDL % v/v	Result % v/v	RL % v/v	MDL % v/v	Result % v/v	RL % v/v	MDL % v/v
Hydrogen	14	1.0	0.059	15	1.0	0.059	22	1.0	0.059	7.8	1.0	0.059

Results normalized including non-methane hydrocarbons

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.

Reviewed/Approved By: Monika Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

The cover letter is an integral part of this analytical report

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Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-11			R121605-13			R121605-15			R121605-17		
Client Sample I.D.:	CV-2352			CV-2354			CV-2353			CV-24141		
Date/Time Sampled:	12/16/24 9:00			12/16/24 11:15			12/16/24 10:45			12/16/24 9:45		
Date/Time Analyzed:	12/16/24 21:06			12/16/24 21:20			12/16/24 21:35			12/16/24 21:49		
QC Batch No.:	241216GC8A2			241216GC8A2			241216GC8A2			241216GC8A2		
Analyst Initials:	KD			KD			KD			KD		
Dilution Factor:	1.0			1.0			1.0			1.0		
ANALYTE	Result % v/v	RL % v/v	MDL % v/v	Result % v/v	RL % v/v	MDL % v/v	Result % v/v	RL % v/v	MDL % v/v	Result % v/v	RL % v/v	MDL % v/v
Hydrogen	19	1.0	0.059	13	1.0	0.059	20	1.0	0.059	0.46 J	1.0	0.059

Results normalized including non-methane hydrocarbons

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.

Reviewed/Approved By: Amika Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

QC Batch No: 241216GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK				LCS		LCSD					
Date Analyzed:	12/16/24 16:45				12/16/24 15:47		12/16/24 16:01					
Analyst Initials:	KD				KD		KD					
Dilution Factor:	1.0				1.0		1.0			Limits		
ANALYTE	Result % v/v	RL % v/v	MDL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Hydrogen	ND	1.0	0.059	5.0	4.37	88	5.18	104	16.9	70	130	30

MDL = Method Detection Limit
ND= Not Detected (below MDL)
RL = Reporting Limit
J = Trace amount. Analyte concentration between RL and MDL.

Reviewed/Approved By: Annika Sotelo-Sandy /
Mark Johnson
Operations Manager

Date 1-03-25

The cover letter is an integral part of this analytical report

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-01		R121605-03		R121605-05		R121605-07	
Client Sample I.D.:	CV-24140		CV-24099		CV-2351		CV-24139	
Date/Time Sampled:	12/16/24 10:25		12/16/24 11:30		12/16/24 9:20		12/16/24 11:05	
Date/Time Analyzed:	12/16/24 19:53		12/16/24 20:08		12/16/24 20:22		12/16/24 20:37	
QC Batch No.:	241216GC8A2		241216GC8A2		241216GC8A2		241216GC8A2	
Analyst Initials:	KD		KD		KD		KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Carbon Dioxide	54	0.010	78	0.010	78	0.010	71	0.010
Oxygen/Argon	5.6	0.50	ND	0.50	0.52	0.50	ND	0.50
Nitrogen	21	1.0	1.8	1.0	2.0	1.0	1.6	1.0
Methane	3.5	0.0010	18	0.0010	2.9	0.0010	2.5	0.0010

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 1-03-25
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-09		R121605-11		R121605-13		R121605-15	
Client Sample I.D.:	CV-24143		CV-2352		CV-2354		CV-2353	
Date/Time Sampled:	12/16/24 10:10		12/16/24 9:00		12/16/24 11:15		12/16/24 10:45	
Date/Time Analyzed:	12/16/24 20:51		12/16/24 21:06		12/16/24 21:20		12/16/24 21:35	
QC Batch No.:	241216GC8A2		241216GC8A2		241216GC8A2		241216GC8A2	
Analyst Initials:	KD		KD		KD		KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Carbon Dioxide	45	0.010	67	0.010	69	0.010	67	0.010
Oxygen/Argon	7.6	0.50	2.3	0.50	0.66	0.50	1.9	0.50
Nitrogen	31	1.0	8.7	1.0	2.5	1.0	7.3	1.0
Methane	6.8	0.0010	1.4	0.0010	13	0.0010	1.5	0.0010

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Amika Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

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AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-17		R121605-19					
Client Sample I.D.:	CV-24141		CV-24102					
Date/Time Sampled:	12/16/24 9:45		12/16/24 11:45					
Date/Time Analyzed:	12/16/24 21:49		12/16/24 22:03					
QC Batch No.:	241216GC8A2		241216GC8A2					
Analyst Initials:	KD		KD					
Dilution Factor:	1.0		1.0					
ANALYTE	**Result % v/v**	**RL % v/v**	**Result % v/v**	**RL % v/v**				
Carbon Dioxide	54	0.010	2.6	0.010				
Oxygen/Argon	0.70	0.50	20	0.50				
Nitrogen	4.5	1.0	76	1.0				
Methane	40	0.0010	0.62	0.0010				

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 1-03-25
Mark Johnson
Operations Manager

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QC Batch No: 241216GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	12/16/24 16:45			12/16/24 15:47		12/16/24 16:01					
Analyst Initials:	KD			KD		KD					
Dilution Factor:	1.0			1.0		1.0			Limits		
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Carbon Dioxide	ND	0.010	10	10.7	107	10.9	108	1.0	70	130	30
Oxygen/Argon	ND	0.50	15	14.5	97	14.5	97	0.1	70	130	30
Nitrogen	ND	1.0	70	71.3	102	71.2	102	0.1	70	130	30
Methane	ND	0.0010	0.10	0.103	102	0.101	100	1.6	70	130	30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Anita Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

The cover letter is an integral part of this analytical report

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-01		R121605-03		R121605-05		R121605-07	
Client Sample I.D.:	CV-24140		CV-24099		CV-2351		CV-24139	
Date/Time Sampled:	12/16/24 10:25		12/16/24 11:30		12/16/24 9:20		12/16/24 11:05	
Date/Time Analyzed:	12/19/24 10:26		12/19/24 11:24		12/19/24 9:42		12/19/24 10:54	
QC Batch No.:	241219GC8A1		241219GC8A1		241219GC8A1		241219GC8A1	
Analyst Initials:	KD		KD		KD		KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Carbon Dioxide	54	0.010	75	0.010	78	0.010	71	0.010
Oxygen/Argon	5.8	0.50	0.92	0.50	0.53	0.50	0.67	0.50
Nitrogen	22	1.0	3.5	1.0	2.0	1.0	2.5	1.0
Methane	3.4	0.0010	19	0.0010	2.9	0.0010	2.4	0.0010

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 1-03-25
Mark Johnson
Operations Manager

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AirTECHNOLOGY Laboratories, Inc.
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Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-09		R121605-11		R121605-13		R121605-15	
Client Sample I.D.:	CV-24143		CV-2352		CV-2354		CV-2353	
Date/Time Sampled:	12/16/24 10:10		12/16/24 9:00		12/16/24 11:15		12/16/24 10:45	
Date/Time Analyzed:	12/19/24 10:11		12/19/24 9:27		12/19/24 11:09		12/19/24 10:40	
QC Batch No.:	241219GC8A1		241219GC8A1		241219GC8A1		241219GC8A1	
Analyst Initials:	KD		KD		KD		KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Carbon Dioxide	46	0.010	66	0.010	70	0.010	66	0.010
Oxygen/Argon	7.5	0.50	2.5	0.50	0.64	0.50	2.1	0.50
Nitrogen	31	1.0	9.5	1.0	2.5	1.0	8.2	1.0
Methane	6.8	0.0010	1.5	0.0010	12	0.0010	1.5	0.0010

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Amika Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

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AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	R121605-17		R121605-19					
Client Sample I.D.:	CV-24141		CV-24102					
Date/Time Sampled:	12/16/24 9:45		12/16/24 11:45					
Date/Time Analyzed:	12/19/24 9:56		12/19/24 12:25					
QC Batch No.:	241219GC8A1		241219GC8A1					
Analyst Initials:	KD		KD					
Dilution Factor:	1.0		1.0					
ANALYTE	**Result % v/v**	**RL % v/v**	**Result % v/v**	**RL % v/v**				
Carbon Dioxide	54	0.010	2.6	0.010				
Oxygen/Argon	0.82	0.50	20	0.50				
Nitrogen	5.0	1.0	76	1.0				
Methane	39	0.0010	0.62	0.0010				

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Annika Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

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AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

QC Batch No: 241219GC8A1
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	12/19/24 9:13			12/19/24 8:29		12/19/24 8:43					
Analyst Initials:	KD			KD		KD					
Dilution Factor:	1.0			1.0		1.0			Limits		
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Carbon Dioxide	ND	0.010	10	11.1	110	9.88	99	11.2	70	130	30
Oxygen/Argon	ND	0.50	15	13.7	91	14.6	97	6.8	70	130	30
Nitrogen	ND	1.0	70	68.1	98	71.0	102	4.2	70	130	30
Methane	ND	0.0010	0.10	0.108	107	0.106	105	1.3	70	130	30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Annika Sotelo Sanchez
Mark Johnson
Operations Manager

Date 1-03-25

The cover letter is an integral part of this analytical report

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO-15

Lab No.:	R121605-01		R121605-05		R121605-07		R121605-09	
Client Sample I.D.:	CV-24140		CV-2351		CV-24139		CV-24143	
Date/Time Sampled:	12/16/24 10:25		12/16/24 9:20		12/16/24 11:05		12/16/24 10:10	
Date/Time Analyzed:	12/18/24 18:14		12/18/24 18:52		12/18/24 19:30		12/18/24 20:08	
QC Batch No.:	241218MS2A1		241218MS2A1		241218MS2A1		241218MS2A1	
Analyst Initials:	RC		RC		RC		RC	
Dilution Factor:	9,000		8,000		8,000		10,000	
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv
Dichlorodifluoromethane (12)	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Chloromethane	ND	9,000	ND	8,000	**9,300**	8,000	ND	10,000
1,2-Cl-1,1,2,2-F ethane (114)	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Vinyl Chloride	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Bromomethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Chloroethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Trichlorofluoromethane (11)	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,1-Dichloroethene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Carbon Disulfide	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,1,2-Cl 1,2,2-F ethane (113)	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Acetone	**1,500,000**	18,000	**1,100,000**	16,000	**1,900,000**	16,000	**1,800,000**	20,000
Methylene Chloride	ND	9,000	ND	8,000	ND	8,000	ND	10,000
t-1,2-Dichloroethene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,1-Dichloroethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Vinyl Acetate	ND	9,000	ND	8,000	ND	8,000	ND	10,000
c-1,2-Dichloroethene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
2-Butanone	**680,000**	45,000	**460,000**	40,000	**970,000**	40,000	ND	50,000
t-Butyl Methyl Ether (MTBE)	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Chloroform	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,1,1-Trichloroethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Carbon Tetrachloride	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Benzene	**160,000**	9,000	**180,000**	8,000	**180,000**	8,000	**140,000**	10,000
1,2-Dichloroethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Trichloroethene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,2-Dichloropropane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Bromodichloromethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
c-1,3-Dichloropropene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
4-Methyl-2-Pentanone	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Toluene	ND	9,000	ND	8,000	**8,700**	8,000	ND	10,000
t-1,3-Dichloropropene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,1,2-Trichloroethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Tetrachloroethene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
2-Hexanone	ND	45,000	ND	40,000	ND	40,000	ND	50,000
Dibromochloromethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO-15

Lab No.:	R121605-01		R121605-05		R121605-07		R121605-09	
Client Sample I.D.:	CV-24140		CV-2351		CV-24139		CV-24143	
Date/Time Sampled:	12/16/24 10:25		12/16/24 9:20		12/16/24 11:05		12/16/24 10:10	
Date/Time Analyzed:	12/18/24 18:14		12/18/24 18:52		12/18/24 19:30		12/18/24 20:08	
QC Batch No.:	241218MS2A1		241218MS2A1		241218MS2A1		241218MS2A1	
Analyst Initials:	RC		RC		RC		RC	
Dilution Factor:	9,000		8,000		8,000		10,000	
ANALYTE	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv	Result ppbv	RL ppbv
1,2-Dibromoethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Chlorobenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Ethylbenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
p,&m-Xylene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
o-Xylene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Styrene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Bromoform	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,1,2,2-Tetrachloroethane	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Benzyl Chloride	ND	9,000	ND	8,000	ND	8,000	ND	10,000
4-Ethyl Toluene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,3,5-Trimethylbenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,2,4-Trimethylbenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,3-Dichlorobenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,4-Dichlorobenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,2-Dichlorobenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,2,4-Trichlorobenzene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
Hexachlorobutadiene	ND	9,000	ND	8,000	ND	8,000	ND	10,000
1,3-Butadiene	ND	45,000	ND	40,000	ND	40,000	ND	50,000
Isopropanol	160,000	63,000	72,000	56,000	85,000	56,000	190,000	70,000
n-Hexane	ND	45,000	ND	40,000	ND	40,000	ND	50,000
Ethyl Acetate	ND	45,000	ND	40,000	ND	40,000	ND	50,000
Tetrahydrofuran	590,000	45,000	500,000	40,000	600,000	40,000	630,000	50,000
Cyclohexane	ND	45,000	ND	40,000	ND	40,000	ND	50,000
Heptane	ND	45,000	ND	40,000	ND	40,000	ND	50,000
1,4-Dioxane	ND	63,000	ND	56,000	ND	56,000	ND	70,000

RL = Reporting Limit
ND = Not Detected (below RL)

Reviewed/Approved By: _____ Date 12-31-24
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHOD_BLANK							
Client Sample I.D.:	--							
Date/Time Sampled:	--							
Date/Time Analyzed:	12/18/24 2:06							
QC Batch No.:	241218MS2A1							
Analyst Initials:	RC							
Dilution Factor:	0.20							

ANALYTE	Result ppbv	RL ppbv						
Dichlorodifluoromethane (12)	ND	0.20						
Chloromethane	ND	0.20						
1,2-Cl-1,1,2,2-F ethane (114)	ND	0.20						
Vinyl Chloride	ND	0.20						
Bromomethane	ND	0.20						
Chloroethane	ND	0.20						
Trichlorofluoromethane (11)	ND	0.20						
1,1-Dichloroethene	ND	0.20						
Carbon Disulfide	ND	0.20						
1,1,2-Cl 1,2,2-F ethane (113)	ND	0.20						
Acetone	ND	0.40						
Methylene Chloride	ND	0.20						
t-1,2-Dichloroethene	ND	0.20						
1,1-Dichloroethane	ND	0.20						
Vinyl Acetate	ND	0.20						
c-1,2-Dichloroethene	ND	0.20						
2-Butanone	ND	1.0						
t-Butyl Methyl Ether (MTBE)	ND	0.20						
Chloroform	ND	0.20						
1,1,1-Trichloroethane	ND	0.20						
Carbon Tetrachloride	ND	0.20						
Benzene	ND	0.20						
1,2-Dichloroethane	ND	0.20						
Trichloroethene	ND	0.20						
1,2-Dichloropropane	ND	0.20						
Bromodichloromethane	ND	0.20						
c-1,3-Dichloropropene	ND	0.20						
4-Methyl-2-Pentanone	ND	0.20						
Toluene	ND	0.20						
t-1,3-Dichloropropene	ND	0.20						
1,1,2-Trichloroethane	ND	0.20						
Tetrachloroethene	ND	0.20						
2-Hexanone	ND	1.0						
Dibromochloromethane	ND	0.20						

AirTECHNOLOGY Laboratories, Inc.
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Client: SCS Engineers
Attn: Cornelius Fong
Project Name: Chiquita Canyon Landfill
Project No.: 07224200.24 Task 1
Date Received: 12/16/24
Matrix: Air
Reporting Units: ppbv

EPA Method TO15

Lab No.:	METHOD_BLANK
Client Sample I.D.:	--
Date/Time Sampled:	--
Date/Time Analyzed:	12/18/24 2:06
QC Batch No.:	241218MS2A1
Analyst Initials:	RC
Dilution Factor:	0.20

ANALYTE	Result ppbv	RL ppbv
1,2-Dibromoethane	ND	0.20
Chlorobenzene	ND	0.20
Ethylbenzene	ND	0.20
p,&m-Xylene	ND	0.20
o-Xylene	ND	0.20
Styrene	ND	0.20
Bromoform	ND	0.20
1,1,2,2-Tetrachloroethane	ND	0.20
Benzyl Chloride	ND	0.20
4-Ethyl Toluene	ND	0.20
1,3,5-Trimethylbenzene	ND	0.20
1,2,4-Trimethylbenzene	ND	0.20
1,3-Dichlorobenzene	ND	0.20
1,4-Dichlorobenzene	ND	0.20
1,2-Dichlorobenzene	ND	0.20
1,2,4-Trichlorobenzene	ND	0.20
Hexachlorobutadiene	ND	0.20
1,3-Butadiene	ND	1.0
Isopropanol	ND	1.4
n-Hexane	ND	1.0
Ethyl Acetate	ND	1.0
Tetrahydrofuran	ND	1.0
Cyclohexane	ND	1.0
Heptane	ND	1.0
1,4-Dioxane	ND	1.4

RL = Reporting Limit
ND = Not Detected (below RL)

Reviewed/Approved By: _____ Date 12-31-24

Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

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LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 241218MS2A1

Matrix: Air

Reporting Units: ppbv

EPA Method TO-15
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:	12/18/24 2:06			12/18/24 0:52		12/18/24 1:28					
Analyst Initials:	RC			RC		RC					
Dilution Factor:	0.20			1.0		1.0					
ANALYTE	Result ppbv	RL ppbv	AMT. ppbv	Result ppbv	% Rec.	Result ppbv	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
1,1-Dichloroethene	ND	0.20	10	9.59	96	10.6	106	9.7	70	130	30
Methylene Chloride	ND	0.20	10	9.35	93	10.5	105	11.9	70	130	30
Trichloroethene	ND	0.20	10	9.85	99	10.2	102	3.3	70	130	30
Toluene	ND	0.20	10	9.76	98	10.2	102	4.6	70	130	30
1,1,2,2-Tetrachloroethane	ND	0.20	10	10.4	104	10.5	105	1.1	70	130	30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date: 12-31-24
Mark Johnson
Operations Manager

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