INFORME DE PRUEBA DE ORIGEN
TOMA DE MUESTRAS DE LIXIVIADOS Y DE VAPORES DE CONDENSADOS EN EL 1° TRIMESTRE DE 2026 EN EL VERTEDERO DE CHIQUITA CANYON
CÓDIGO DE IDENTIFICACIÓN DE LAS INSTALACIONES: 119219

Elaborado Para:

SCS Engineers – Vertedero de Chiquita Canyon
3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806

Para Ser Presentado A:

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MONTROSE AIR QUALITY SERVICES

STAC STACK TESTING ACCREDITATION COUNCIL
ACCREDITED TO ASTM D7036 ONLY CERT #3925.01

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REVISIÓN Y CERTIFICACIÓN

Todo el trabajo, los cálculos y otras actividades y tareas realizadas y presentadas en este documento fueron realizadas por mí o bajo mi dirección y supervisión. Mediante este instrumento certifico, a mi mejor saber y entender, que Montrose operó en cumplimiento con los requerimientos del Sistema de Gestión de la Calidad del Aire de Montrose y con ASTM D7036-04 durante este proyecto de análisis.

Firma:  Fecha: 28/4/2026

Nombre: Pete SanJuan Cargo: Gerente de Proyectos de Clientes

He revisado, tanto técnica como editorialmente, los detalles, los cálculos, los resultados, las conclusiones y otros materiales escritos apropiados aquí incluidos. Mediante el presente instrumento certifico que a mi mejor saber y entender, el material presentado es auténtico, preciso y cumple con los requerimientos del Sistema de Gestión de la Calidad del Aire de Montrose y con ASTM D7036-04.

Firma:  Fecha: 28/4/2026

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1.0 INTRODUCCIÓN

Montrose Air Quality Services, LLC (MAQS) fue contratado por SCS Engineers (SCS) para que realice tomas de muestras trimestrales en varios lugares en el sistema de ventilación de vapores en el Vertedero de Chiquita Canyon (Chiquita), en Castaic, California. Los análisis se realizaron para cumplir con la Condición 72 de la Orden de Depuración Estipulada (SOFA) Modificada emitida a Chiquita por el Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD). Los análisis se realizaron según el protocolo para realizar análisis (MAQS Número de Documento W002AS-056454-PP-1074) y la evaluación del protocolo para realizar análisis en el origen (S/T ID: P24228). El equipo de testeo de Montrose estuvo formado por Pete San Juan, Allen Dusky y Ray Madrigal. Pete San Juan fue la persona calificada en el sitio para MAQS. MAQS califica como laboratorio independiente para realizar análisis bajo la Regla 304 del SCAQMD (sin conflicto de intereses) y está certificado por el SCAQMD para que conduzca análisis de contaminantes utilizando los Métodos del Distrito.

La información sobre los equipos y las instalaciones se proporciona en la Sección 2.0. La información de los análisis en el Origen se detalla en la Sección 3.0. Los resultados de los análisis se proporcionan en la Sección 4.0. En los Apéndices se encuentra información complementaria.

2.0 INFORMACIÓN SOBRE LAS INSTALACIONES Y LA FUENTE

La dirección del centro es:

Dirección Física: Vertedero de Chiquita Canyon
29201 Henry Mayo Drive
Castaic, California 91384

La toma de muestras de lixiviados y vapores condensados se realizó desde los siguientes lugares:

- Las ventilaciones o los colectores de los tanques que sean representativos de un set de tanques;
- El cabezal/colector de cada parque de tanques o colector de lixiviados que incluye la entrada a la Antorcha Parnel, la entrada a la Antorcha Zeeco, la entrada a la Antorcha Hero, el Cañón D del Parque de Tanques, el Parque de Tanques 13, el pretratamiento de H2S en la Estación de Antorchas y el post tratamiento de H2S en la Estación de Antorchas. Los análisis se realizaron flujo arriba de la conexión de tuberías hacia el Sistema de Recolección y Transporte de LFG donde el biogás podrá afectar los resultados.

2.1 INFORMACIÓN SOBRE LOS EQUIPOS DEL PROCESO

Los vapores creados por la volatilización de productos químicos en el espacio superior de los tanques de lixiviados en los parques de tanques, el Cañón D y No. 13 se transfieren bajo un vacío por el cabezal del pozo hacia el sistema de recolección de biogás y después hacia la estación de antorchas para la combustión. La presión y la temperatura de los vapores en las tuberías varían en base a las temperaturas ambientales durante el funcionamiento normal. El centro opera las 24 horas del día. Las fotografías de los lugares de donde se tomaron muestras se encuentran en el Apéndice A.1.

3.0 INFORMACIÓN Y METODOLOGÍA PARA REALIZAR LOS ANÁLISIS

Los contaminantes medidos y la metodología utilizada para realizar los análisis se resumen en la Tabla 3-1. Las mediciones del índice de flujo del volumen se realizaron antes de tomar las muestras.

A continuación se describen los procedimientos para tomar las muestras del campo utilizados durante el programa de análisis. Los métodos de referencia publicados proporcionan descripciones más detalladas que en esta sección. El propósito de esta sección es proporcionar un resumen de los métodos para tomar las muestras y cualquier variación. Los procedimientos para tomar las muestras se basan en los Métodos de Referencia del SCAQMD y de EPA.

TABLA 3-1
PROCEDIMIENTOS PARA REALIZAR LOS ANÁLISIS
RESUMEN DEL PROGRAMA PARA REALIZAR LOS ANÁLISIS DEL VERTEDERO DE CHIQUITA CANYON
TOMA DE MUESTRAS DE LIXIVIADOS Y DE VAPORES DE CONDENSADOS

Parámetro	Medio para la Muestra	Técnica Analítica	Método de Referencia	Cantidad de Réplicas
Índice de Flujo/Temperatura	Tubo Pitot / TC	Presión Diferencial	SCAQMD 2.1	1 para cada ubicación
Humedad	Bulbo Húmedo/Bulbo Seco	Cuadro Psicrométrico	SCAQMD 4.1	1 para cada ubicación
H2S y TRS	Frasco Summa	GC/SCD	SCAQMD 307-91	1 para cada ubicación
TO-15 (Regla 1150.1)	Frasco Summa	GC/MS	EPA TO-15	1 para cada ubicación

3.1 MÉTODO 1.1 DEL SCAQMD – TOMA DE MUESTRAS Y TRAZADOS DE LA VELOCIDAD DE FUENTES ESTÁTICAS

Se realizó una evaluación preliminar de los análisis de la fuente del sitio antes de que se realice el análisis de la fuente, para determinar las ubicaciones de los trazados de los puntos de toma de muestra. Se midieron tanto flujo arriba como flujo abajo del diámetro de la sarta de tuberías y la distancia desde los puertos de toma de muestra hasta las alteraciones (curvaturas, bridas, etc.). Esta información se utiliza para determinar la cantidad mínima de puntos de toma de muestra por trazo y la distancia desde la pare de la pila interior hasta la ubicación de cada punto de toma de muestra. Todas las ubicaciones de toma de muestra se ubicaron según los requerimientos mínimos del Método 1.1 del SCAQMD. Además, este método considera patrones de flujo ciclónico y concentraciones de contaminantes estratificados in-situ. Los análisis del flujo ciclónico se realizaron en lugares donde podía medirse el flujo.

3.2 MÉTODO 2.1 DEL SCAQMD1 – VELOCIDAD E ÍNDICE DE FLUJO VOLUMÉTRICO

La velocidad del flujo de gases se determinó utilizando un tubo Pitot tipo "S" o estándar, un manómetro electrónico de poco flujo y una termocupla de tipo "K" con dispositivo de medición de temperatura digital. El tubo Pilot calibrado se conectó al manómetro electrónico del Multímetro de Datos del Aire (ADM) calibrado y se controló si había fugas. Se obtuvo la temperatura y el diferencial de presión en cada punto de cruce y se midió y registró la presión estática del conducto. El índice del flujo volumétrico seco se determina con los datos de velocidad del gas, la presión de la pila, el contenido de humedad del gas de la pila, el peso molecular del gas de la pila y la zona transversal del conducto.

3.3 MÉTODO 3.1 DEL SCAQMD - ANÁLISIS DE GASES PARA EL PESO MOLECULAR SECO Y EL EXCESO DE AIRE

Los gases de vapores de lixiviados y condensados fueron analizados por GC para observar el contenido de O_2 y CO_2.

3.4 MÉTODO 4.1 DEL SCAQMD - DETERMINACIÓN DEL CONTENIDO DE HUMEDAD EN LOS GASES ACUMULADOS

La humedad se midió utilizando un bulbo húmedo/bulbo seco y se calculó con el cuadro psicométrico.

3.5 MÉTODO 307-91 DEL SCAQMD – ÁCIDO SULFHÍDRICO Y COMPUESTOS DE AZUFRE REDUCIDOS

Se tomaron muestras para determinar el ácido sulfhídrico y compuestos de azufre especiado reducido en recipientes Summa. Las muestras fueron analizadas por GC/SCD de AtmAA, Inc., en Calabasas, California, siguiendo el protocolo del Método 307-91 del SCAQMD. Las muestras se analizaron dentro de las 24 horas desde la toma de muestras.

3.6 MÉTODO TO-15 DE EPA – VOLÁTILES E HIDROCARBUROS TOMADOS EN EL RECIPIENTE SUMMA

Las muestras se tomaron en recipientes Summa revestidos con silicato de vidrio. Las muestras fueron analizadas por AtmAA Inc., ubicado en Calabasas, California, para analizar la presencia de orgánicos volátiles indicados en la lista de la Tabla 1 de la Regla 1150.1 del SCAQMD.

Procedimiento para la Toma de Muestras:

Se llenó un frasco Summa por lugar con gas de muestra utilizando un cilindro evacuado. La sonda de toma de muestras se conectó al frasco con tuberías de Teflón. Las muestras se tomaron en un punto fijo en el medio del tubo para toma de muestras.

4.0 RESULTADOS

Los resultados de las emisiones se presentan en las Tablas 4-1 y 4-2. Los esquemas del sitio se presentan en el Apéndice A.1.

TABLA 4-1
RESULTADOS DE H_2S Y DE AZUFRE TOTAL REDUCIDO EN EL VERTEDERO DE CHIQUITA CANYON
TOMA DE MUESTRAS DE LIXIVIADOS Y DE VAPORES DE CONDENSADOS DEL 30 DE MARZO DE 2026

Parámetro/Unidades	Parnel	Zeeco	Héroe	Parque de Tanques 13	Cañón D	Estación de Antorchas Pre-H2S	Estación de Antorchas Post-H2S
O_2, %	9.80	5.67	5.00	21.42	20.88	6.07	5.02
CO_2, %	29.82	46.03	45.62	1.65	1.32	35.54	39.00
N_2, %	40.62	23.97	26.30	76.85	77.04	25.39	21.74
H_2O, %	5.00	3.81	4.47	0.91	0.87	2.43	2.65
Índice de Flujo, scfm	2,306	1,115	1,923	259	190	1,728	1,706
Temperatura, ºF	110	106	116	96	94	113	110
Compuestos de Azufre							
H_2S, ppm	102	159	124	<0.08	0.13	165	186
Sulfuro de Carbonilo, ppm	<0.50	<2.00	<2.00	<0.08	<0.08	<0.80	<0.80
Metilmercaptano, ppm	108.0	344.0	325	0.34	0.79	105	108
Etilmercaptano, ppm	1.68	3.72	3.62	<0.08	<0.08	1.26	1.37
Sulfuro de Dimetilo, ppm	334.0	975	924	14.67	5.19	363	351
Disulfuro de carbono, ppm	<0.50	<2.00	<2.00	<0.08	<0.08	<0.80	<0.80
isopropil mercaptano, ppm	1.33	2.54	2.32	<0.08	<0.08	1.91	1.88
t-butil mercaptano, ppm	<0.50	<2.00	<2.00	<0.08	<0.08	<0.80	<0.80
n-propil mercaptano, ppm	4.69	10.80	10.8	0.12	<0.08	3.88	4.03
s-butil mercaptano, ppm	4.78	11.20	10.7	<0.08	<0.08	4.87	4.85
i-butil mercaptano, ppm	<0.50	<2.00	<2.00	0.34	<0.08	<0.80	<0.80
Disulfuro de dimetilo, ppm	1.50	7.52	5.76	<0.08	<0.08	2.78	2.51
Tetrahidrotiofeno, ppm	1.90	7.34	6.81	<0.08	<0.08	2.54	2.32
Compuestos S No Identificados, ppm	11.20	29.5	21.4	0.1	<0.08	9.88	9.77
Compuestos de Azufre Total:							
Azufre Total, ppm	572.32	1557.10	1,439.64	15.56	6.11	662.39	672.72

TABLA 4-2
RESULTADOS DE VESTIGIOS DE COMPUESTOS ORGÁNICOS EN EL VERTEDERO DE CHIQUITA CANYON
TOMA DE MUESTRAS DE LIXIVIADOS Y DE VAPORES DE CONDENSADOS DEL 30 DE MARZO DE 2026

Ubicación de la Muestra:	Parnel	Zeeco	Parque de Tanques Héroe	Parque de Tanques 13	Cañón D	Estación de Antorchas Pre-H_2S	Estación de Antorchas Post H_2S
Análisis No.:	1	1	1	1	1	1	1
Hora de Inicio:	7:30	7:30	8:10	8:45	8:45	9:20	9:20
Índice de Flujo, scfm:	2306	1115	1923	259	190	1,728	1,706
Especie	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**	**ppb**
Ácido sulfhídrico:	102,300	158,500	123,500	< 80	< 80	165,000	185,500
Benceno:	79,300	207,000	146,000	1,510	420	82,200	92,900
Cloruro de Bencilo:	< 17,900	< 17,900	< 17,900	< 50	< 50	< 17,900	< 17,900
Clorobenceno:	< 20,200	< 20,200	< 20,200	< 50	< 50	< 20,200	< 20,200
Diclorobencenos*:	< 30,900	< 30,900	< 30,900	78.9	< 70	< 30,900	< 30,900
1,1-dicloroetano:	< 22,900	< 22,900	< 22,900	< 60	< 60	< 22,900	< 22,900
1,2-dicloroetano:	< 22,900	< 22,900	< 22,900	< 60	< 60	< 22,900	< 22,900
1,1-dicloroetileno:	< 23,400	< 23,400	< 23,400	< 60	< 60	< 23,400	< 23,400
Diclorometano:	< 53,400	< 53,400	< 53,400	< 125	< 125	< 53,400	< 53,400
1,2-dibromoetano:	< 12,100	< 12,100	< 12,100	< 30	< 30	< 12,100	< 12,100
Percloroetileno:	< 13,700	< 13,700	< 13,700	< 30	< 30	< 13,700	< 13,700
Tetracloruro de Carbono:	< 29,500	< 29,500	< 29,500	< 70	< 70	< 29,500	< 29,500
Tolueno:	< 24,600	26,600	< 24,600	245	258	< 24,600	< 24,600
1,1,1-tricloroetano:	< 17,000	< 17,000	< 17,000	< 40	< 40	< 17,000	< 17,000
Tricloroeteno:	< 17,300	< 17,300	< 17,300	< 40	< 40	< 17,300	< 17,300
Cloroformo:	< 19,000	< 19,000	< 19,000	< 45	< 45	< 19,000	< 19,000
Cloruro de Vinilo:	< 18,200	< 18,200	< 18,200	< 45	< 45	< 18,200	< 18,200
M+P-xilenos:	< 21,400	< 21,400	< 21,400	298	104.0	< 21,400	< 21,400
O-xileno:	< 21,400	< 21,400	< 21,400	128	43.8	< 21,400	< 21,400

< - indica que la especie no fue detectada en la muestra por encima del límite de detección analítico para esta especie.

Los valores informados son el límite de detección para la especie y la concentración real es menor.

*Cantidad total que contiene meta, para y orto isómeros.

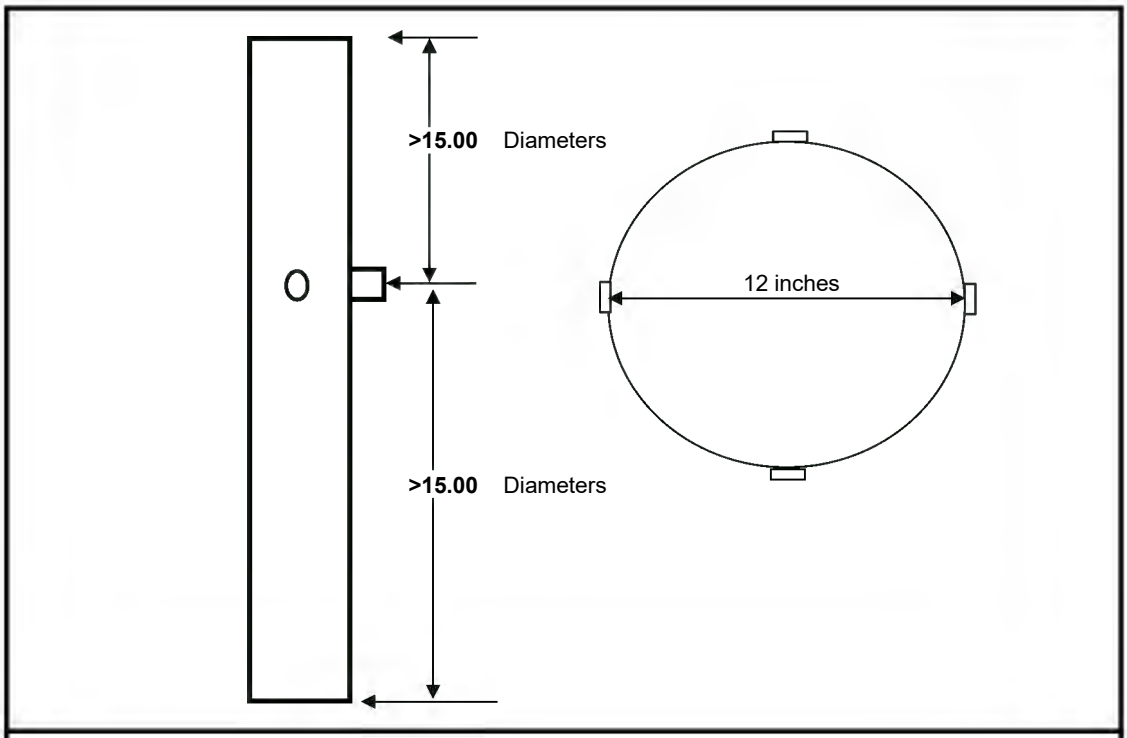
APPENDIX A
TEST DATA

Appendix A.1
Sample Location Data

METHOD 1 DATA SHEET
INLET SAMPLE LOCATION

Client: SCS Field Services Date: 3/30/26

Location: Chiquita Zeeco Flare Inlet Performed By: SJ, AD, RM



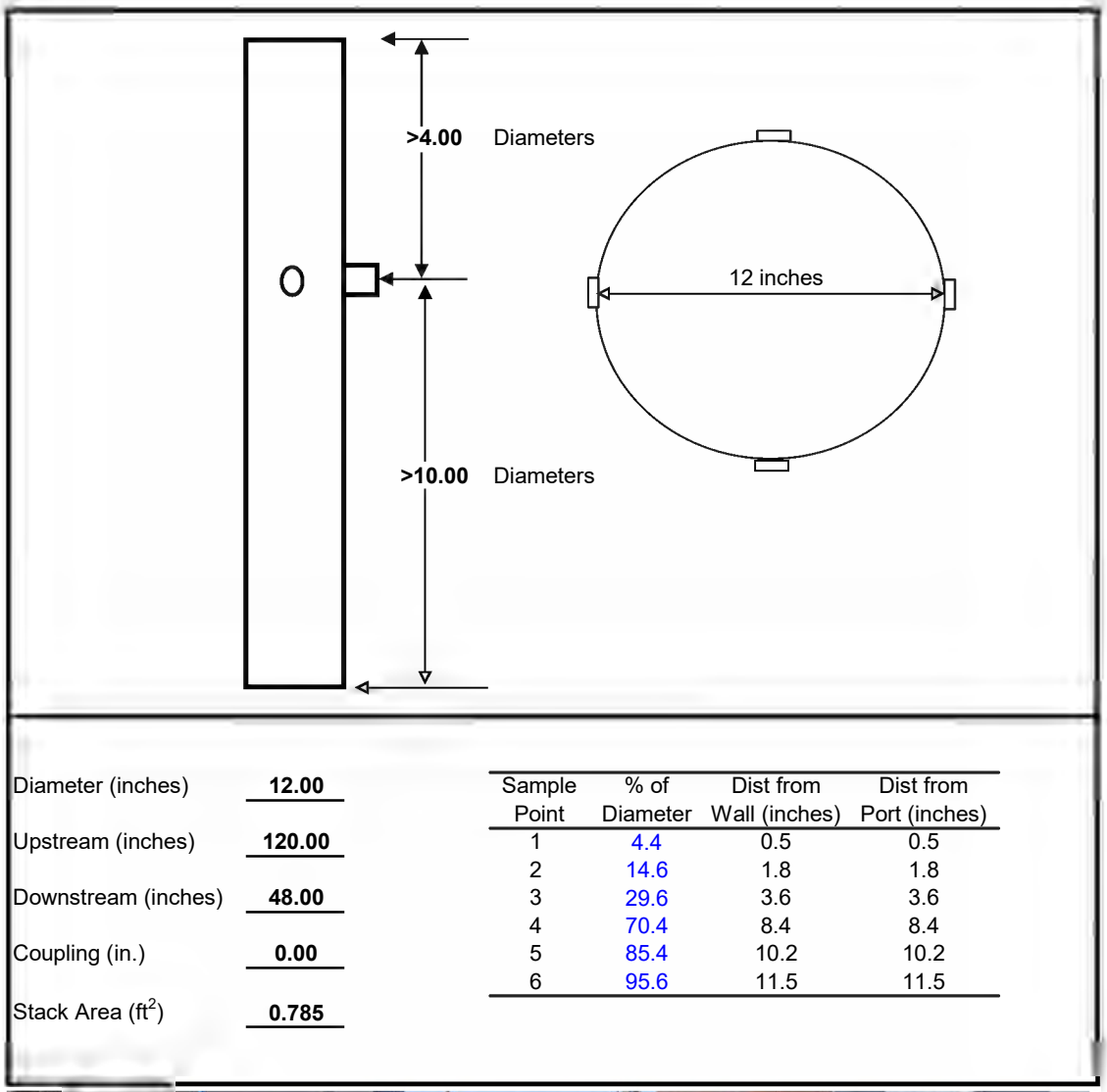
Diameter (inches)	**12.00**
Upstream (inches)	**180.00**
Downstream (inches)	**180.00**
Coupling (in.)	**0.00**
Stack Area (ft^2)	**0.785**

Sample Point	% of Diameter	Dist from Wall (inches)	Dist from Port (inches)
1	4.4	0.5	0.5
2	14.6	1.8	1.8
3	29.6	3.6	3.6
4	70.4	8.4	8.4
5	85.4	10.2	10.2
6	95.6	11.5	11.5

METHOD 1 DATA SHEET
INLET SAMPLE LOCATION

Client: SCS Field Services Date: 3/30/26

Location: Chiquita Parnel Inlet Performed By: SJ, AD, RM



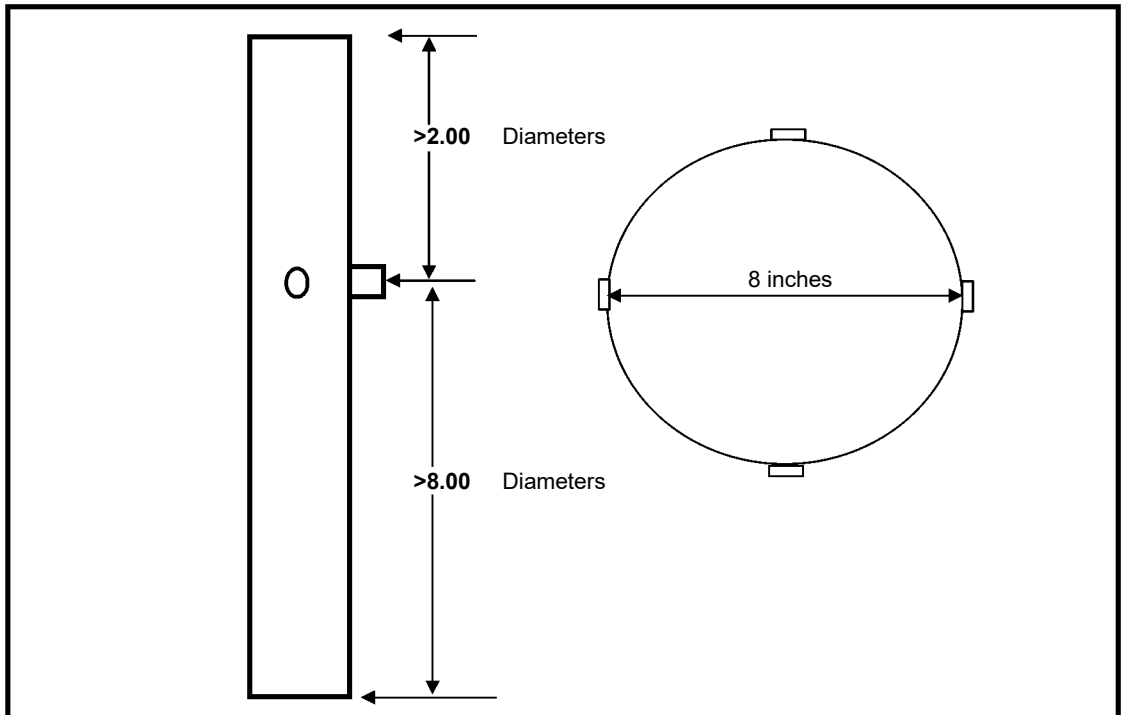
Diameter (inches)	**12.00**
Upstream (inches)	**120.00**
Downstream (inches)	**48.00**
Coupling (in.)	**0.00**
Stack Area (ft^2)	**0.785**

Sample Point	% of Diameter	Dist from Wall (inches)	Dist from Port (inches)
1	4.4	0.5	0.5
2	14.6	1.8	1.8
3	29.6	3.6	3.6
4	70.4	8.4	8.4
5	85.4	10.2	10.2
6	95.6	11.5	11.5

METHOD 1 DATA SHEET
INLET SAMPLE LOCATION

Client: SCS Field Services Date: 3/30/26

Location: Hero Performed By: SJ, AD, RM



Diameter (inches)	**8.00**
Upstream (inches)	**64.00**
Downstream (inches)	**16.00**
Coupling (in.)	**0.00**
Stack Area (ft^2)	**0.349**

Sample Point	% of Diameter	Dist from Wall (inches)	Dist from Port (inches)
1	4.4	0.5	0.5
2	14.6	1.2	1.2
3	29.6	2.4	2.4
4	70.4	5.6	5.6
5	85.4	6.8	6.8
6	95.6	5.5	5.5

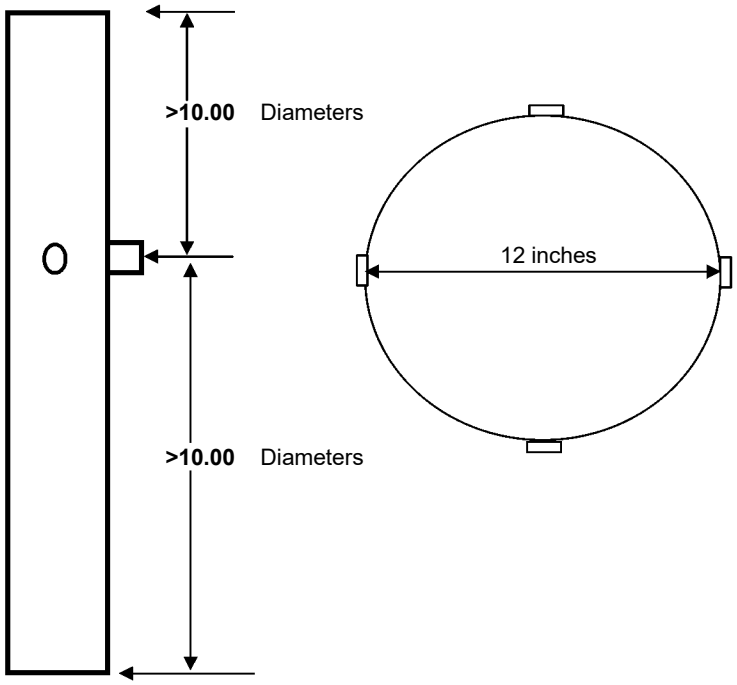
METHOD 1 DATA SHEET
INLET SAMPLE LOCATION

Client: SCS Field Services

Date: 3/30/26

Location: Chiquita Tank Farm 13

Performed By: SJ, AD, RM



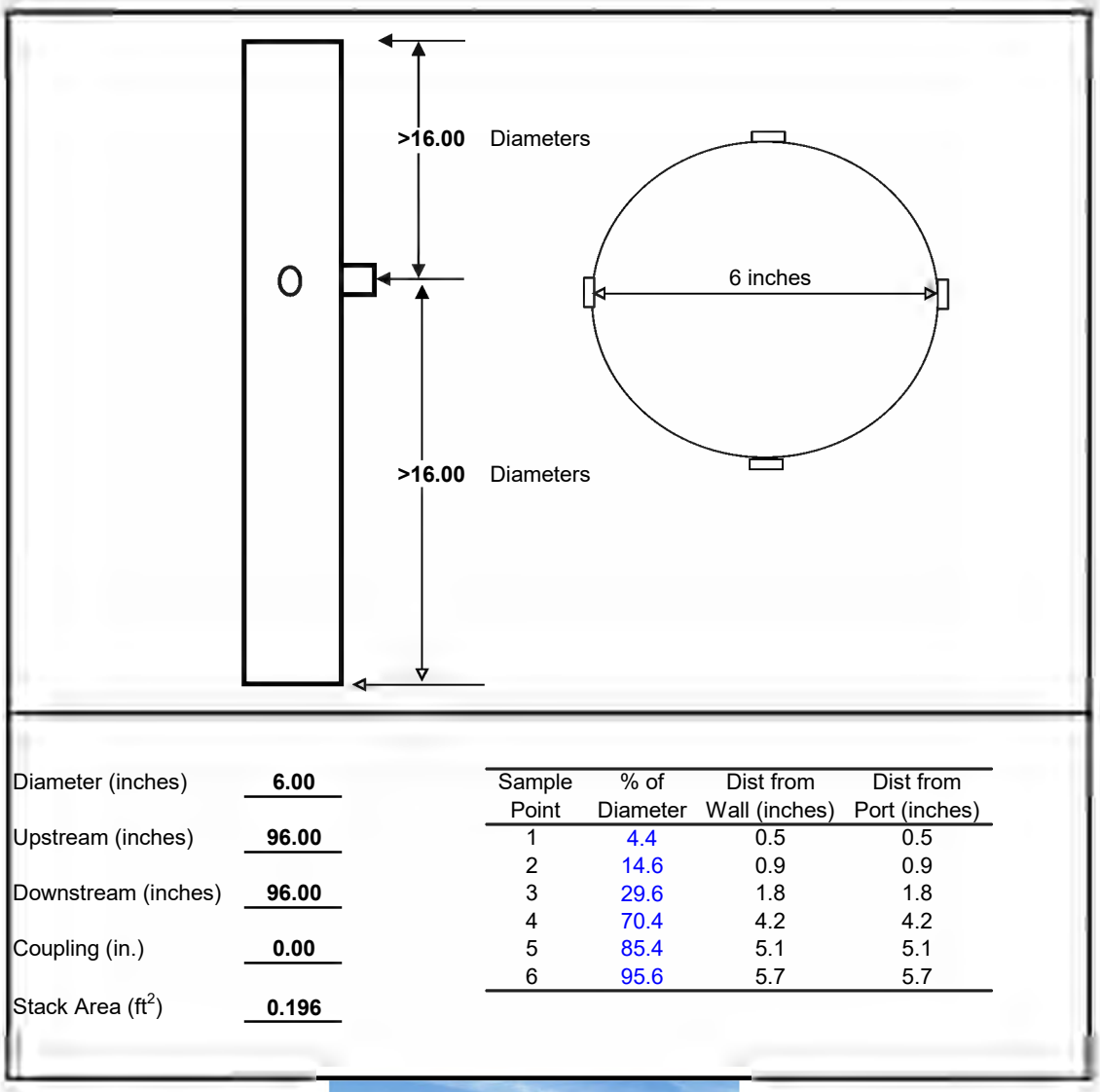
Diameter (inches)	**12.00**
Upstream (inches)	**120.00**
Downstream (inches)	**120.00**
Coupling (in.)	**0.00**
Stack Area (ft^2)	**0.785**

Sample Point	% of Diameter	Dist from Wall (inches)	Dist from Port (inches)
1	4.4	0.5	0.5
2	14.6	1.8	1.8
3	29.6	3.6	3.6
4	70.4	8.4	8.4
5	85.4	10.2	10.2
6	95.6	11.5	11.5

METHOD 1 DATA SHEET
INLET SAMPLE LOCATION

Client: SCS Field Services Date: 3/30/26

Location: Chiquita TF Canyon D Performed By: SJ, AD, RM



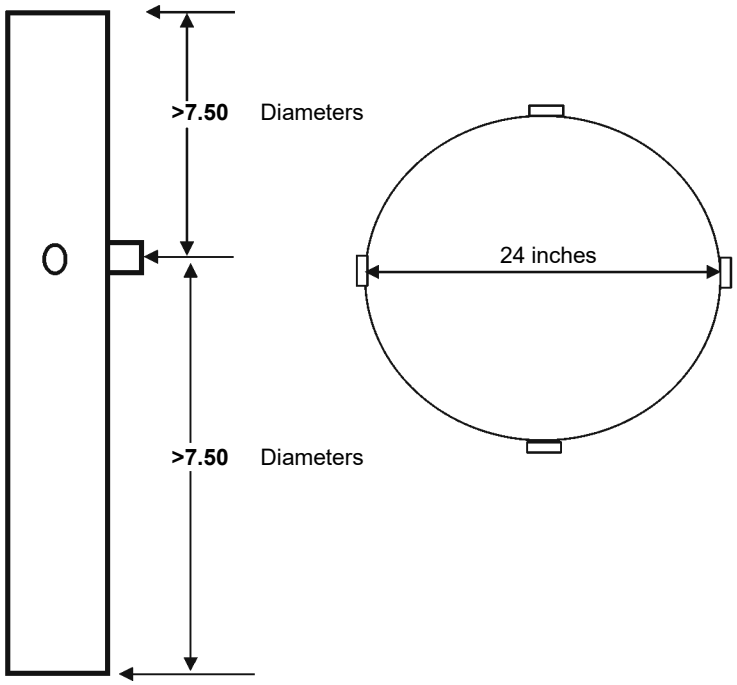
Diameter (inches)	**6.00**
Upstream (inches)	**96.00**
Downstream (inches)	**96.00**
Coupling (in.)	**0.00**
Stack Area (ft^2)	**0.196**

Sample Point	% of Diameter	Dist from Wall (inches)	Dist from Port (inches)
1	4.4	0.5	0.5
2	14.6	0.9	0.9
3	29.6	1.8	1.8
4	70.4	4.2	4.2
5	85.4	5.1	5.1
6	95.6	5.7	5.7

METHOD 1 DATA SHEET
INLET SAMPLE LOCATION

Client: SCS Field Services Date: 3/30/26

Location: Flare Station Pre-H2S Performed By: SJ, AD, RM



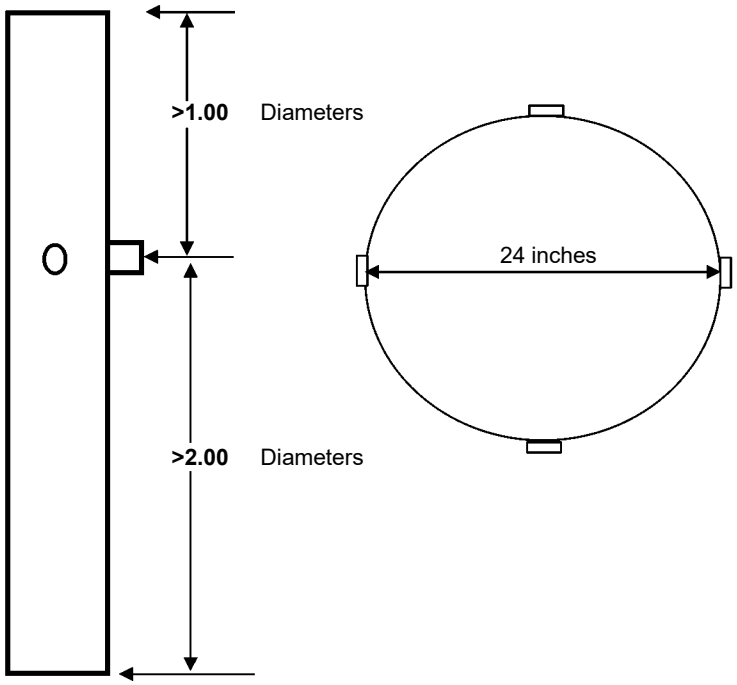
Diameter (inches)	**24.00**
Upstream (inches)	**180.00**
Downstream (inches)	**180.00**
Coupling (in.)	**0.00**
Stack Area (ft^2)	**3.142**

Sample Point	% of Diameter	Dist from Wall (inches)	Dist from Port (inches)
1	3.2	0.8	0.8
2	10.5	2.5	2.5
3	19.4	4.7	4.7
4	32.3	7.8	7.8
5	67.7	16.2	16.2
6	80.6	19.3	19.3
7	89.5	21.5	21.5
8	96.8	23.2	23.2

METHOD 1 DATA SHEET
INLET SAMPLE LOCATION

Client: SCS Field Services Date: 3/30/26

Location: Flare Station Post-H2S Performed By: SJ, AD, RM



Diameter (inches)	**24.00**
Upstream (inches)	**48.00**
Downstream (inches)	**24.00**
Coupling (in.)	**0.00**
Stack Area (ft^2)	**3.142**

Sample Point	% of Diameter	Dist from Wall (inches)	Dist from Port (inches)
1	3.2	0.8	0.8
2	10.5	2.5	2.5
3	19.4	4.7	4.7
4	32.3	7.8	7.8
5	67.7	16.2	16.2
6	80.6	19.3	19.3
7	89.5	21.5	21.5
8	96.8	23.2	23.2

Appendix A.2
Velocity, Moisture and Flow Rate Data

MONTROSE AQS

Duct Moisture by Wet bulb/Dry bulb Measurements

Facility: Chiquita Canyon Landfill
CEM I.D. : T-4

TEST DATE: March 30, 2026

BY: PSJ

$$B_{ws} = \frac{e_a''}{P_a}$$

$$e_a = e'' - \frac{(P_a - e'')\left[T_{dry} - T_{wet}\right]}{2800 - 1.3 \times T_{wet}}$$

	P_{bar}	Static Pressure (in. of H_2O)	P_a	T_{dry}	T_{wet}	e_a	B_{ws}	e"
ZEECO	28.91	-17.00	27.662	110	93	1.3823	5.00	1.54797
Parnel	28.91	-30.00	26.7061	106	85	1.016187	3.81	1.215223
Hero	28.91	-9.30	28.2282	116	92	1.262598	4.47	1.501902
Tank Farm 13	28.91	-0.030	28.9098	96	63	0.261987	0.91	0.605624
Canyon D	28.91	-0.048	28.9085	94	62	0.250919	0.87	0.584219
Flare Station Pre	28.91	-0.170	28.8995	113	80	0.703105	2.43	1.044066
Flare Station Post	28.91	3.650	29.1804	110	81	0.773872	2.65	1.076324

DATA AND WORKSHEET
RUN NUMBER 1

TEST CONSTANTS			
Station:	Chiquita Canyon Landfill		
Unit:	ZEECO		
Performed By:	SJ, AD, RM		
Cp:	0.84		
T_{ref}:	60	°F	
Stack Area:	0.785	ft^2	
TEST VARIABLES			
Start Date:	SJ, AD, RM		
Start/End Time:	7:30	8:00	
Test Condition:	Normal		
Barom. Pressure:	28.91		
Pstack:	-17.00	iwg	
Pstack:	27.66	"Hg	
MW Wet:	29.70	lb/lb-mole	
MW Dry:	30.32	lb/lb-mole	
Moisture			
Moisture Content:	5.00	%	From WbDb
Fuel Gas Composistion Data			
O_2:	9.80	%	From canister analysis
CO_2:	29.82	%	From canister analysis
N_2:	40.62	%	From canister analysis
CH_4:	16.80	%	From canister analysis

METHOD 2.1 DATA

Point	dP (in. H_2O)	sqrt(dP)	Temp °F	Vel. (fps)
1	0.970	0.9849	110	58.81
2	0.930	0.9644	110	57.59
3	0.960	0.9798	110	58.51
4	0.990	0.9950	110	59.42
5	1.000	1.0000	110	59.71
6	0.940	0.9695	110	57.90
1	0.920	0.9592	110	57.28
2	0.950	0.9747	110	58.20
3	0.930	0.9644	110	57.59
4	0.910	0.9539	110	56.96
5	0.930	0.9644	110	57.59
6	0.900	0.9487	110	56.65
Average	0.9439	0.9716	110	58.02

Flow Rate:	2,734	wacfm
Flow Rate:	2,306	scfm
Flow Rate:	2,191	dscfm

]

DATA AND WORKSHEET
RUN NUMBER 1

TEST CONSTANTS		
Station:	Chiquita Canyon Landfill	
Unit:	Parnel	
Performed By:	SJ, AD, RM	
Cp:	0.84	
T_{ref}:	60	°F
Stack Area:	0.785	ft^2

TEST VARIABLES		
Start Date:	SJ, AD, RM	
Start/End Time:	7:30	8:00
Test Condition:	Normal	
Barom. Pressure:	28.91	
Pstack:	-30.0	iwg
Pstack:	26.71	"Hg
MW Wet:	30.79	lb/lb-mole
MW Dry:	31.29	lb/lb-mole

Moisture			
Moisture Content:	3.81	%	From WbDb

Fuel Gas Composistion Data			
O_2:	5.67	%	From canister analysis
CO_2:	46.03	%	From canister analysis
N_2:	23.97	%	From canister analysis
CH_4:	15.72	%	From canister analysis

METHOD 2.1 DATA

Point	dP (in. H_2O)	sqrt(dP)	Temp °F	Vel. (fps)
1	0.220	0.4690	106	27.90
2	0.270	0.5196	106	30.91
3	0.240	0.4899	106	29.14
4	0.260	0.5099	106	30.33
5	0.270	0.5196	106	30.91
6	0.240	0.4899	106	29.14
1	0.230	0.4796	106	28.53
2	0.230	0.4796	106	28.53
3	0.240	0.4899	106	29.14
4	0.220	0.4690	106	27.90
5	0.200	0.4472	106	26.60
6	0.210	0.4583	106	27.26
Average	0.2354	0.4851	106	28.86

Flow Rate:	1,360	wacfm
Flow Rate:	1,115	scfm
Flow Rate:	1,073	dscfm

]

DATA AND WORKSHEET
RUN NUMBER 1

TEST CONSTANTS		
Station:	Chiquita Canyon Landfill	
Unit:	Hero	
Performed By:	SJ, AD, RM	
Cp:	0.84	
T_{ref}:	60	°F
Stack Area:	0.349	ft^2

TEST VARIABLES		
Start Date:	SJ, AD, RM	
Start/End Time:	8:10	8:40
Test Condition:	Normal	
Barom. Pressure:	28.91	
Pstack:	-9.3	iwg
Pstack:	28.23	"Hg
MW Wet:	30.61	lb/lb-mole
MW Dry:	31.20	lb/lb-mole

Moisture			
Moisture Content:	4.47	%	From WbDb

Fuel Gas Composistion Data			
O_2:	5.00	%	From canister analysis
CO_2:	45.62	%	From canister analysis
N_2:	26.30	%	From canister analysis
CH_4:	13.53	%	From canister analysis

METHOD 2.1 DATA

Point	dP (in. H_2O)	sqrt(dP)	Temp °F	Vel. (fps)
1	3.460	1.8601	116	108.88
2	3.550	1.8841	116	110.29
3	3.610	1.9000	116	111.22
4	3.580	1.8921	116	110.75
5	3.240	1.8000	116	105.36
6	3.270	1.8083	116	105.85
1	3.370	1.8358	116	107.46
2	3.520	1.8762	116	109.82
3	3.450	1.8574	116	108.72
4	3.380	1.8385	116	107.61
5	3.120	1.7664	116	103.39
6	3.160	1.7776	116	104.05
Average	3.3907	1.8414	116	107.78

Flow Rate:	2,257	wacfm
Flow Rate:	1,923	scfm
Flow Rate:	1,837	dscfm

]

DATA AND WORKSHEET
RUN NUMBER 1

TEST CONSTANTS		
Station:	Chiquita Canyon Landfill	
Unit:	Tank Farm 13	
Performed By:	SJ, AD, RM	
Cp:	0.84	
T_{ref}:	60	°F
Stack Area:	0.785	ft^2

TEST VARIABLES		
Start Date:	SJ, AD, RM	
Start/End Time:	8:45	9:15
Test Condition:	Normal	
Barom. Pressure:	28.91	
Pstack:	-0.030	iwg
Pstack:	28.91	"Hg
MW Wet:	29.01	lb/lb-mole
MW Dry:	29.11	lb/lb-mole

Moisture			
Moisture Content:	0.91	%	From WbDb

Fuel Gas Composistion Data			
O_2:	21.42	%	From canister analysis
CO_2:	1.65	%	From canister analysis
N_2:	76.85	%	From canister analysis
CH_4:	<0.10	%	From canister analysis

METHOD 2.1 DATA

Point	dP (in. H_2O)	sqrt(dP)	Temp °F	Vel. (fps)
1	0.0120	0.1095	96	6.39
2	0.0110	0.1049	96	6.12
3	0.0100	0.1000	96	5.84
4	0.0095	0.0975	96	5.69
5	0.0097	0.0985	96	5.75
6	0.0094	0.0970	96	5.66
1	0.0096	0.0980	96	5.72
2	0.0099	0.0995	96	5.81
3	0.0110	0.1049	96	6.12
4	0.0130	0.1140	96	6.66
5	0.0120	0.1095	96	6.39
6	0.0140	0.1183	96	6.91
Average	0.0109	0.1043	96	6.09

Flow Rate:	287	wacfm
Flow Rate:	259	scfm
Flow Rate:	257	dscfm

]

DATA AND WORKSHEET
RUN NUMBER 1

TEST CONSTANTS			
Station:	Chiquita Canyon Landfill		
Unit:	Canyon D		
Performed By:	SJ, AD, RM		
Cp:	0.84		
T_{ref}:	60	°F	
Stack Area:	0.196	ft^2	

TEST VARIABLES			
Start Date:	SJ, AD, RM		
Start/End Time:	8:45	9:15	
Test Condition:	Normal		
Barom. Pressure:	28.91		
Pstack:	-0.048	iwg	
Pstack:	28.91	"Hg	
MW Wet:	28.80	lb/lb-mole	
MW Dry:	28.90	lb/lb-mole	

Moisture			
Moisture Content:	0.87	%	From WbDb

Fuel Gas Composistion Data			
O_2:	20.88	%	From canister analysis
CO_2:	1.32	%	From canister analysis
N_2:	77.04	%	From canister analysis
CH_4:	0.41	%	From canister analysis

METHOD 2.1 DATA

Point	dP (in. H_2O)	sqrt(dP)	Temp °F	Vel. (fps)
1	0.093	0.3050	94	17.83
2	0.093	0.3050	94	17.83
3	0.091	0.3017	94	17.64
4	0.092	0.3033	94	17.74
5	0.096	0.3098	94	18.12
6	0.095	0.3082	94	18.02
1	0.091	0.3017	94	17.64
2	0.089	0.2983	94	17.45
3	0.092	0.3033	94	17.74
4	0.094	0.3066	94	17.93
5	0.096	0.3098	94	18.12
6	0.093	0.3050	94	17.83
Average	0.0929	0.3048	94	17.82

Flow Rate:	210	wacfm
Flow Rate:	190	scfm
Flow Rate:	189	dscfm

]

DATA AND WORKSHEET
RUN NUMBER 1

TEST CONSTANTS		
Station:	Chiquita Canyon Landfill	
Unit:	Flare Station Pre-H2S	
Performed By:	SJ, AD, RM	
Cp:	0.84	
T_{ref}:	60	°F
Stack Area:	3.142	ft^2

TEST VARIABLES		
Start Date:	SJ, AD, RM	
Start/End Time:	9:20	9:50
Test Condition:	Normal	
Barom. Pressure:	28.91	
Pstack:	-0.17	iwg
Pstack:	28.90	"Hg
MW Wet:	28.52	lb/lb-mole
MW Dry:	28.79	lb/lb-mole

Moisture			
Moisture Content:	2.43	%	From WbDb

Fuel Gas Composistion Data			
O_2:	6.07	%	From canister analysis
CO_2:	35.54	%	From canister analysis
N_2:	25.39	%	From canister analysis
CH_4:	25.61	%	From canister analysis

METHOD 2.1 DATA

Point	dP (in. H_2O)	sqrt(dP)	Temp °F	Vel. (fps)
1	0.028	0.1673	113	10.00
2	0.024	0.1549	113	9.26
3	0.029	0.1703	113	10.18
4	0.024	0.1549	113	9.26
5	0.031	0.1761	113	10.52
6	0.035	0.1871	113	11.18
7	0.033	0.1817	113	10.86
8	0.032	0.1789	113	10.69
1	0.036	0.1897	113	11.34
2	0.033	0.1817	113	10.86
3	0.030	0.1732	113	10.35
4	0.034	0.1844	113	11.02
5	0.039	0.1975	113	11.80
6	0.031	0.1761	113	10.52
7	0.028	0.1673	113	10.00
8	0.025	0.1581	113	9.45
Average	0.0306	0.1749	113	10.46

Flow Rate:	1,971	wacfm
Flow Rate:	1,728	scfm
Flow Rate:	1,686	dscfm

]

DATA AND WORKSHEET
RUN NUMBER 1

TEST CONSTANTS		
Station:	Chiquita Canyon Landfill	
Unit:	Flare Station Post-H2S	
Performed By:	SJ, AD, RM	
Cp:	0.84	
T_{ref}:	60	°F
Stack Area:	3.142	ft^2

TEST VARIABLES		
Start Date:	SJ, AD, RM	
Start/End Time:	9:20	9:50
Test Condition:	Normal	
Barom. Pressure:	28.91	
Pstack:	3.65	iwg
Pstack:	29.18	"Hg
MW Wet:	29.00	lb/lb-mole
MW Dry:	29.30	lb/lb-mole

Moisture			
Moisture Content:	2.65	%	From WbDb

Fuel Gas Composistion Data			
O_2:	5.02	%	From canister analysis
CO_2:	39.00	%	From canister analysis
N_2:	21.74	%	From canister analysis
CH_4:	27.79	%	From canister analysis

METHOD 2.1 DATA

Point	dP (in. H_2O)	sqrt(dP)	Temp °F	Vel. (fps)
1	0.023	0.1517	110	8.92
2	0.029	0.1703	110	10.02
3	0.033	0.1817	110	10.69
4	0.038	0.1949	110	11.47
5	0.037	0.1924	110	11.32
6	0.030	0.1732	110	10.19
7	0.035	0.1871	110	11.01
8	0.030	0.1732	110	10.19
1	0.029	0.1703	110	10.02
2	0.023	0.1517	110	8.92
3	0.027	0.1643	110	9.67
4	0.034	0.1844	110	10.85
5	0.036	0.1897	110	11.16
6	0.033	0.1817	110	10.69
7	0.025	0.1581	110	9.30
8	0.020	0.1414	110	8.32
Average	0.0299	0.1729	110	10.17

Flow Rate:	1,917	wacfm
Flow Rate:	1,706	scfm
Flow Rate:	1,661	dscfm

]

MONTROSE AIR SERVICES

FLUE GAS VELOCITY DATASHEET

CLIENT: WASTE CONNECTIONS
LOCATION: CHIQUITA
UNIT: 2 FEED INLET
TEST DATE: 3/30/26
TEST NUMBER: 1
LEAK CHECK PRE- ✓ POST- ✓
ΔP INDICATOR TYPE: ELECTRONIC
ΔP INDICATOR ID: ADM 850 #9

PERFORMED BY: ES/AO/RM
BAR. PRESSURE: 28.91
STATIC PRESSURE: -1.0
TC READOUT ID: RTC 43
TC ID: W/B 30
PITOT TUBE ID: 30
PITOT TUBE COEFFICIENT: 0.84
ZERO: ✓ LEVEL: ✓

Cycle Time	Port	Point	Vel. Head in. H_2O	Temp., °F	Cycle Time	Port	Point	Vel. Head in. H_2O	Temp, °F
2'	T	1	0.97	110	4'	S	1	0.92	110
0'		2	0.93	110	1'		2	0.98	110
1		3	0.96	110	2		3	0.93	110
3		4	0.99	110	1		4	0.91	110
4		5	1.00	110	1'		5	0.93	110
6		6	0.94	110	3		6	1.90	110
			W3=	93					
		(30)	D3=	110					

Comments:

FLUE GAS VELOCITY DATASHEET

CLIENT: WASTE CONNECTIONS
LOCATION: CHICOPEE
UNIT: DRYER INLET
TEST DATE: 3/30/26
TEST NUMBER: 1
LEAK CHECK PRE- ✓ POST- ✓
ΔP INDICATOR TYPE: ELECTRONIC
ΔP INDICATOR ID: ADM 550 #9

PERFORMED BY: DE/AD/RM
BAR. PRESSURE: 28.91
STATIC PRESSURE: -3.20
TC READOUT ID: PTC 43
TC ID: WB 30
PITOT TUBE ID: 30
PITOT TUBE COEFFICIENT: 0.84
ZERO: ✓ LEVEL: ✓

~~Time~~ Cycl.	Port	Point	Vel. Head in. H_2O	Temp., °F	~~Time~~ Cycl.	Port	Point	Vel. Head in. H_2O	Temp, °F
2	+	1	0.22	106	6	5	1	0.23	106
2		2	0.27	106	0		2	0.23	106
0		3	0.24	106	2		3	0.24	106
1		4	0.24	106	2		4	0.22	106
4		5	0.27	106	7		5	0.20	106
7		6	0.24	106	3		6	0.21	
			WB =	85					
		(30)	DB =	106					

Comments: _____

MONTROSE
AIR QUALITY SERVICES

FLUE GAS VELOCITY DATASHEET

CLIENT: WASTE CONNECTIONS
LOCATION: CHEROKEE
UNIT: HRSG
TEST DATE: 3/30/16
TEST NUMBER: 1
LEAK CHECK PRE- ✓ POST- ✓
ΔP INDICATOR TYPE: ELECTRONIC
ΔP INDICATOR ID: ADM 850 #9

PERFORMED BY: JT/DD/RM
BAR. PRESSURE: 28.91
STATIC PRESSURE: -9.3
TC READOUT ID: PTC 43
TC ID: WB/30
PITOT TUBE ID: 30
PITOT TUBE COEFFICIENT: 0.84
ZERO: ✓ LEVEL: ✓

Cycl Time	Port	Point	Vel. Head in. H_2O	Temp.,°F	Cycl Time	Port	Point	Vel. Head in. H_2O	Temp, °F
6°	T	1	3.46	116	2°	S	1	3.37	116
4		2	3.35	116	0		2	3.52	116
1		3	3.41	116	1		3	3.45	116
3		4	3.58	116	5		4	3.38	116
1		5	3.24	116	2		5	3.12	116
5		6	3.27		3		6	3.16	116
			W_B =	92					
		(30)	D_B =	116					

Comments:

MONTROSE AIR QUALITY SERVICES

FLUE GAS VELOCITY DATASHEET

CLIENT: WASTE CONNECTIONS
LOCATION: CHIQUITA
UNIT: TANK FARM 13
TEST DATE: 3/30/26
TEST NUMBER: 1
LEAK CHECK PRE- ✓ POST- ✓
ΔP INDICATOR TYPE: ELECTRONIC
ΔP INDICATOR ID: ADM 850 #7

PERFORMED BY: ~~JL~~ AD / RM
BAR. PRESSURE: 23.91
STATIC PRESSURE: -0.030
TC READOUT ID: PTC #3
TC ID: WB 30
PITOT TUBE ID: 30
PITOT TUBE COEFFICIENT: 0.84
ZERO: ✓ LEVEL: ✓

~~CYL~~ Time	Port	Point	Vel. Head in. H_2O	Temp., °F	~~CYL~~ Time	Port	Point	Vel. Head in. H_2O	Temp, °F
2°	F	1	0.0120	96	6°	S	1	0.0096	96
7		2	0.0110	94	4		2	0.0099	96
1		3	0.0100	96	1		3	0.0110	96
4		4	0.0095	96	5		4	0.0130	96
0		5	0.0097	96	8		5	0.0120	96
3		6	0.0094	96	2		6	0.0140	96
			WB =	63					
		(30)	DP =	96					

Comments: _____

MONTROSE AIR QUALITY SERVICES

FLUE GAS VELOCITY DATASHEET

CLIENT: WASTECONNECTIONS
LOCATION: CHIQUITA
UNIT: TANK FARM CANNON D
TEST DATE: 3/30/26
TEST NUMBER: 1
LEAK CHECK PRE- ✓ POST- ✓
ΔP INDICATOR TYPE: ELECTRONIC
ΔP INDICATOR ID: ADM 850 #9

PERFORMED BY: DT/AD/RM
BAR. PRESSURE: 28.91
STATIC PRESSURE: -0.048
TC READOUT ID: DTC43
TC ID: WB/30
PITOT TUBE ID: L30
PITOT TUBE COEFFICIENT: 0.84
ZERO: ✓ LEVEL: ✓

~~Cycle Time~~	Port	Point	Vel. Head in. H_2O	Temp., °F	~~Cycle Time~~	Port	Point	Vel. Head in. H_2O	Temp, °F
3	4	1	0.093	94	5	3	1	0.091	94
7		2	0.093	94	7		2	0.089	94
2		3	0.091	94	6		3	0.092	94
0		4	0.092	94	2		4	0.094	94
1		5	0.096	94	0		5	0.096	94
6		6	0.095	94	1		6	0.093	94
			WB=	42					
		(30)	DB=	94					

Comments:

MONTROSE AIR QUALITY SERVICES

FLUE GAS VELOCITY DATASHEET

CLIENT: WASTE CONNECTIONS
LOCATION: CALIPATRIA
UNIT: JAMESTATION H2S PRE
TEST DATE: 3/30/26
TEST NUMBER: 1
LEAK CHECK PRE- ✓ POST- ✓
ΔP INDICATOR TYPE: ELECTRONIC
ΔP INDICATOR ID: ADM850 #9

PERFORMED BY: JC/AD/RM
BAR. PRESSURE: 28.91
STATIC PRESSURE: -0.17
TC READOUT ID: PTC 43
TC ID: WB/30
PITOT TUBE ID: 30
PITOT TUBE COEFFICIENT: 0.84
ZERO: ✓ LEVEL: ✓

~~Time~~ cyc	~~Port~~ A	Point	Vel. Head in. H_2O	Temp., °F	~~Time~~ cyc	~~Port~~ B	Point	Vel. Head in. H_2O	Temp, °F
2°		1	0.028	113	5°		1	0.032	113
7		2	0.024	113	3		2	0.033	113
7		3	0.029	113	1		3	0.030	113
6		4	0.029	113	2		4	0.031	113
3		5	0.031	113	1		5	0.037	113
5		6	0.035	113	2		6	0.031	113
1		7	0.033	113	0		7	0.029	113
4		8	0.032	113	3		8	0.025	113
			WB =	80					
		(30)	PB =	113					

Comments: _____

MONTROSE AIR QUALITY SERVICES

FLUE GAS VELOCITY DATASHEET

CLIENT: WASTE CONNECTIONS
LOCATION: CHINO
UNIT: FLARE STATION H2S POST
TEST DATE: 3/30/26
TEST NUMBER: 1
LEAK CHECK PRE- ✓ POST- ✓
ΔP INDICATOR TYPE: ELECTRONIC
ΔP INDICATOR ID: ADM 850 #9

PERFORMED BY: BS/AO/RM
BAR. PRESSURE: 28.91
STATIC PRESSURE: 3.65
TC READOUT ID: PTC #3
TC ID: DWM/30
PITOT TUBE ID: 30
PITOT TUBE COEFFICIENT: 0.84
ZERO: ✓ LEVEL: ✓

~~Cycl~~ Time	A ~~Port~~	Point	Vel. Head in. H_2O	Temp., °F	~~Cycl.~~ Time	B ~~Port~~	Point	Vel. Head in. H_2O	Temp, °F
3'		1	0.023	110	6'		1	0.027	110
2		2	0.029	110	1		2	0.023	110
7		3	0.033	110	7		3	0.027	110
5		4	0.038	110	6		4	0.034	110
1		5	0.037	110	4		5	0.036	110
3		6	0.030	110	7		6	0.33	110
4		7	0.035	110	5		7	0.25	110
2		8	0.030	110	1		8	0.20	110
			WM =	81					
		(30)	DM =	110					

Comments: _____

Appendix A.3
Organics and Sulfur Field and Laboratory Data

LEACHATE TANK HEADSPACE SAMPLING DATA

Client/Facility: WASTE CONNECTIONS Date: 3/30/26

Unit/Location: ZEECO INLET Performed By: SS/AO/KM

Barometric Pressure 28.91 Ambient Temperature 68°

SUMMA CANISTER DATA

Test No.		1	
Canister ID		0558	
		Time	Vacuum
Pre-Test Leak Check	Start	0700	30
Pre-Test Leak Check	Stop	0710	30
Sample Collection	Start	0730	30
10		0740	21
20		0750	15
30		0800	5
Sample Collection	Stop		
Post -Test Leak Check	Start	10:00	5
Post-Test Leak Check	Stop	10:20	5

FLOWRATE DATA

Diameter: 12"

Upstream: 180"

Downstream: 180"

Flow Rate: 2298

Wet bulb: 93

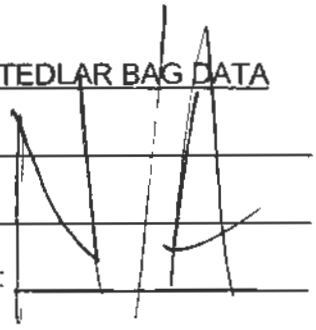
Dry bulb: 110

TEDLAR BAG DATA

Start:

Stop:

Bag ID:



LEACHATE TANK HEADSPACE SAMPLING DATA

Client/Facility: WASTE CONNECTIONS Date: 3/30/26

Unit/Location: PANNEL INLET Performed By: ~~ST~~ AD/PM

Barometric Pressure 28.41 Ambient Temperature 68

SUMMA CANISTER DATA

Test No.		1	
Canister ID		24636	
		Time	Vacuum
Pre-Test Leak Check	Start	0700	30
Pre-Test Leak Check	Stop	0710	30
Sample Collection	Start	0730	30
10		0740	21
20		0750	14
30		0800	5
Sample Collection	Stop		
Post -Test Leak Check	Start	1000	5
Post-Test Leak Check	Stop	1020	5

FLOWRATE DATA

Diameter: 12"

Upstream: 120"

Downstream: 48"

Flow Rate: 1142

Wet bulb: ~~70~~ 85

Dry bulb: 106

TEDLAR BAG DATA

Start: N/A

Stop:

Bag ID:

LEACHATE TANK HEADSPACE SAMPLING DATA

Client/Facility: WASTE CONNECTIONS Date: 3/30/26

Unit/Location: HEAD INLET Performed By: ST/AD/RM

Barometric Pressure 28.91 Ambient Temperature 68°

SUMMA CANISTER DATA

Test No.		1	
Canister ID			
		Time	Vacuum
Pre-Test Leak Check	Start	0700	30
Pre-Test Leak Check	Stop	0710	30
Sample Collection	Start	0810	30
10		0820	22
20		0830	16
30		0840	5
Sample Collection	Stop		
Post -Test Leak Check	Start	10:00	5
Post-Test Leak Check	Stop	10:10	5

FLOWRATE DATA

Diameter: 8"

Upstream: 64"

Downstream: 16"

Flow Rate: 1918

Wet bulb: 72

Dry bulb: 116

TEDLAR BAG DATA

Start:

Stop:

Bag ID:

LEACHATE TANK HEADSPACE SAMPLING DATA

Client/Facility: WASTE CONNECTIONS Date: 3/30/26

Unit/Location: TANK FARM 13 Performed By: ST/AG/RM

Barometric Pressure 29.91 Ambient Temperature 68°

SUMMA CANISTER DATA

Test No.		1	
Canister ID			
		Time	Vacuum
Pre-Test Leak Check	Start	0740	30
Pre-Test Leak Check	Stop	0710	30
Sample Collection	Start	0845	30
10		0855	24
20		0905	16
30		0915	5
Sample Collection	Stop		
Post -Test Leak Check	Start	10:00	5
Post-Test Leak Check	Stop	10:20	5

FLOWRATE DATA

Diameter: 12"

Upstream: 120"

Downstream: 120"

Flow Rate: 252

Wet bulb: 63°

Dry bulb: 96°

TEDLAR BAG DATA

Start:

Stop:

Bag ID:

LEACHATE TANK HEADSPACE SAMPLING DATA

Client/Facility: WASTE CONNECTIONS Date: 3/30/26

Unit/Location: TANK FARM CANNON 9 Performed By: ST/AM/RM

Barometric Pressure 28.91 Ambient Temperature 68°

SUMMA CANISTER DATA

Test No.		1	
Canister ID			
		Time	Vacuum
Pre-Test Leak Check	Start	0700	30
Pre-Test Leak Check	Stop	0710	30
Sample Collection	Start	0815	30
10		0855	23
20		0905	15
30		0915	5
Sample Collection	Stop		
Post -Test Leak Check	Start	10:00	5
Post-Test Leak Check	Stop	10:20	5

FLOWRATE DATA

Diameter: 6"

Upstream: 76"

Downstream: 76"

Flow Rate: 189

Wet bulb: 62°

Dry bulb: 74

TEDLAR BAG DATA

Start: N/A

Stop:

Bag ID:

LEACHATE TANK HEADSPACE SAMPLING DATA

Client/Facility: WASTE CONNECTIONS Date: 3/30/26

Unit/Location: FLARE STATION H2S PRE Performed By: SF/AD/KM

Barometric Pressure 26.91 Ambient Temperature 68°

SUMMA CANISTER DATA

Test No.		1	
Canister ID			
		Time	Vacuum
Pre-Test Leak Check	Start	0710	30
Pre-Test Leak Check	Stop	0710	30
Sample Collection	Start	0910	30
10		0930	21
20		0940	16
30		0950	5
Sample Collection	Stop		
Post -Test Leak Check	Start	10:00	5
Post-Test Leak Check	Stop	10:20	5

FLOWRATE DATA

Diameter: 24"

Upstream: 180"

Downstream: 180"

Flow Rate: N/A

Wet bulb: 80

Dry bulb: 113

TEDLAR/BAG DATA

Start: N/A

Stop:

Bag ID:

LEACHATE TANK HEADSPACE SAMPLING DATA

Client/Facility: WASTE CONNECTIONS Date: 3/1/20/RM

Unit/Location: FLARE STATION H2S POST Performed By: 3/30/26

Barometric Pressure 28.21 Ambient Temperature 68°

SUMMA CANISTER DATA

Test No.		1	
Canister ID			
		Time	Vacuum
Pre-Test Leak Check	Start	0700	30
Pre-Test Leak Check	Stop	0710	30
Sample Collection	Start	0920	30
10		0930	25
20		0940	16
30		0950	5
Sample Collection	Stop		
Post -Test Leak Check	Start	1000	5
Post-Test Leak Check	Stop	1020	5

FLOWRATE DATA

Diameter: 24"

Upstream: 48"

Downstream: 24"

Flow Rate: N/A

Wet bulb: 81

Dry bulb: 110

TEDLAR BAG DATA

Start: N/A

Stop:

Bag ID:

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LABORATORY ANALYSIS REPORT

Permanent Gases Analysis in Silco Canister Samples by Method ASTM D1946-90

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30, 2026

ANALYSIS DESCRIPTION

Permanent gases were measured by thermal conductivity detection/gas chromatography (TCD/GC), ASTM D1946-90.

AtmAA Lab No.:	20896-17	20896-18	20896-19
Sample I.D.:	Zeeco Inlet	Parnel Inlet	Hero Inlet
Components	*(Concentration in %,v)*		
Nitrogen	40.62	23.97	26.30
Oxygen	9.80	5.67	5.00
Methane	16.80	15.72	13.53
Carbon dioxide	29.82	46.03	45.62
Hydrogen	1.49	4.82	4.75

The reported oxygen concentration includes any argon present in the sample. Calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon.
The accuracy of permanent gas analysis by TCD/GC is +/- 2%, actual results are reported.
Actual analysis results are reported on a "wet" basis.

Brian W. Fung
Laboratory Director

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atmaa.com

LABORATORY ANALYSIS REPORT

Permanent Gases Analysis in Silco Canister Samples by Method ASTM D1946-90

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30, 2026

ANALYSIS DESCRIPTION

Permanent gases were measured by thermal conductivity detection/gas chromatography (TCD/GC), ASTM D1946-90.

AtmAA Lab No.:	20896-20	20896-21	20896-22	20896-23
Sample I.D.:	Tank Farm 13	Tank Farm Canyon D	Flare Station Pre H2S	Flare Station Post H2S
Components	*(Concentration in %,v)*			
Nitrogen	76.85	77.04	25.39	21.74
Oxygen	21.42	20.88	6.07	5.02
Methane	<0.10	0.41	25.61	27.79
Carbon dioxide	1.65	1.32	35.54	39.00
Hydrogen	<0.10	0.18	2.44	2.68

The reported oxygen concentration includes any argon present in the sample. Calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon.
The accuracy of permanent gas analysis by TCD/GC is +/- 2%, actual results are reported.
Actual analysis results are reported on a "wet" basis.

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% RPD
		(Concentration in %,v)			
Nitrogen	Zeeco Inlet	40.72	40.51	40.62	0.52
Oxygen	Zeeco Inlet	9.82	9.77	9.80	0.51
Methane	Zeeco Inlet	16.79	16.81	16.80	0.12
Carbon dioxide	Zeeco Inlet	29.84	29.79	29.82	0.17
Hydrogen	Zeeco Inlet	1.48	1.49	1.49	0.67

Seven Silco canister samples, laboratory numbers 20896-(17-23), were analyzed for permanent gases. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD from seven Silco canister samples is 0.40%.

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LABORATORY ANALYSIS REPORT

Speciated Hydrocarbons Analysis in Silco Canister Samples

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
Laboratory Temp: 73.5 °F
Barometric Pressure: 29.97 inHg

ANALYSIS DESCRIPTION

Hydrocarbon speciation analysis was performed by flame ionization detection/gas chromatography (FID/GC), modified EPA-18. Methane was measured by thermal conductivity detection/gas chromatography (TCD/GC), ASTM D1946-90

AtmAA Lab No.:	20896-17	20896-18	20896-19
Sample ID:	Zeeco Inlet	Parnel Inlet	Hero Inlet
Component	*(Concentration in ppmv, component)*		
Methane	168000	157200	135300
Ethene	8.77	32.6	41.7
Acetylene	<0.30	<0.30	<0.30
Ethane	38.4	119	123
Non-methane hydrocarbons analysis by carbon number grouping			
C3	160	386	392
C4	1140	3397	2784
C5	1211	2620	2289
C6	991	2393	2007
C7	290	872	605
C8	190	427	516
C9	196	548	440
C10	197	632	334
C11	41.9	110	57.1
C12	23.6	64.3	29.4
C13	8.51	32.7	8.04
C14	0.53	3.04	<0.03
	(Concentration in ppmvC)		
TNMHC	25273	65728	52878

TNMHC - total non-methane hydrocarbons as ppmvC.
Actual analysis results are reported on a "wet" basis.

Brian W. Fung
Laboratory Director

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LABORATORY ANALYSIS REPORT

Speciated Hydrocarbons Analysis in Silco Canister Samples

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
Laboratory Temp: 73.5 °F
Barometric Pressure: 29.97 inHg

ANALYSIS DESCRIPTION

Hydrocarbon speciation analysis was performed by flame ionization detection/gas chromatography (FID/GC), modified EPA-18. Methane was measured by thermal conductivity detection/gas chromatography (TCD/GC), ASTM D1946-90

AtmAA Lab No.:	20896-20	20896-21	20896-22	20896-23
Sample ID:	Tank Farm 13	Tank Farm Canyon D	Flare Station Pre H2S	Flare Station Post H2S
Component	*(Concentration in ppmv, component)*			
Methane	350	4100	256100	277900
Ethene	0.37	0.47	8.84	4.50
Acetylene	<0.30	<0.30	<0.30	<0.20
Ethane	0.35	0.49	47.81	35.77
Non-methane hydrocarbons analysis by carbon number grouping				
C3	3.90	2.56	180	132
C4	202	61.2	1309	898
C5	217	119	1312	912
C6	100	42.8	1047	745
C7	33.1	7.6	343	196
C8	17.0	6.1	222	194
C9	19.8	5.57	259	192
C10	45	12.4	289	184
C11	15.6	6.32	60.8	34.8
C12	13.6	5.94	38.7	20.8
C13	6.64	4.70	16.28	8.82
C14	<0.06	<0.06	2.68	1.88
	(Concentration in ppmvC)			
TNMHC	3921	1585	29510	20354

TNMHC - total non-methane hydrocarbons as ppmvC.
Actual analysis results are reported on a "wet" basis.

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026

Component	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% RPD
		(Conc. in ppmv, component)			
Methane	Tank Farm 13	348	352	350	1.2
Ethene	Tank Farm 13	0.39	0.35	0.37	9.6
Acetylene	Tank Farm 13	<0.30	<0.30	<0.30	---
Ethane	Tank Farm 13	0.33	0.37	0.35	9.4
non-methane hydrocarbons analysis by carbon number grouping					
C3	Tank Farm 13	3.87	3.92	3.90	1.2
C4	Tank Farm 13	204	201	202	1.5
C5	Tank Farm 13	219	215	217	1.7
C6	Tank Farm 13	99.4	100.4	99.9	0.96
C7	Tank Farm 13	32.9	33.4	33.1	1.5
C8	Tank Farm 13	16.9	17.2	17.0	1.8
C9	Tank Farm 13	19.8	19.8	19.8	0.20
C10	Tank Farm 13	44.7	45.0	44.8	0.69
C11	Tank Farm 13	15.6	15.6	15.6	0.26
C12	Tank Farm 13	13.3	13.8	13.6	3.9
C13	Tank Farm 13	6.48	6.80	6.64	4.9
C14	Tank Farm 13	<0.06	<0.06	<0.06	---
		(Concentration in ppmvC)			
TNMHC	Tank Farm 13	3924	3918	3921	0.15

Seven Silco canister samples, laboratory numbers 20896-(17-23), were analyzed for hydrocarbon speciation, EPA Method 18. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD for 15 repeat measurements from seven Silco canister samples is 2.6%.

Calculated values for Specific Volume, BTU, and F (factor)

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
AtmAA Lab #: 20896-17
Sample ID: Zeeco Inlet

Specific volume, BTU, and F-factor are calculated using normalized labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard. Heating value factor is a calculated according to ASTM 3588-98 (14.696 psia and 60°F). The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S,	Wt.%	
Methane	17.01	8.81	Carbon	18.79	
Carbon dioxide	30.19	42.91	Hydrogen	2.41	
Nitrogen	41.13	37.21	Oxygen	41.02	
Oxygen	9.50	9.82	Nitrogen	37.21	
Argon	0.42	0.54	Argon	0.54	
Hydrogen	1.50	0.10	Sulfur	0.01	
$(CH_2)_n$	0.228	0.59			
Specific Volume		12.251			
BTU/ft3 (Dry @60F, 14.696 psia)		186.9	(HHV)	168.3	(LHV)
BTU/ft3 (Water Saturated @ 0.25636 psia)		183.7	(HHV)	165.4	(LHV)
BTU/lb (Dry @60F, 14.696 psia)		2290	(HHV)	2062	(LHV)
F_d (factor)		10426			
F_w (factor)		12459			
F_c (factor)		2634			
Compressibility Factor (@60F, 14.696 psia)		0.9983			
Wobbe Index		181.31			
Specific Gravity		1.0632			

Component	Specific volume reference values *	
Methane	23.7	(ft^3/lb)
Carbon dioxide	8.62	
Nitrogen	13.5	
Oxygen	11.9	
Argon	9.52	
Hydrogen	188.2	

* reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F

Calculated values for Specific Volume, BTU, and F (factor)

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
AtmAA Lab #: 20896-18
Sample ID: Parnel Inlet

Specific volume, BTU, and F-factor are calculated using normalized labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard. Heating value factor is a calculated according to ASTM 3588-98 (14.696 psia and 60°F). The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S, Wt.%		
Methane	16.14	7.77	Carbon	25.34	
Carbon dioxide	47.26	62.59	Hydrogen	2.72	
Nitrogen	24.61	20.74	Oxygen	50.89	
Oxygen	5.57	5.37	Nitrogen	20.74	
Argon	0.25	0.30	Argon	0.30	
Hydrogen	4.95	0.30	Sulfur	0.02	
$(CH_2)_n$	1.195	2.92			
Specific Volume		11.406			
BTU/ft3 (Dry @60F, 14.696 psia)		232.8	(HHV)	210.1	(LHV)
BTU/ft3 (Water Saturated @ 0.25636 psia)		228.7	(HHV)	206.4	(LHV)
BTU/lb (Dry @60F, 14.696 psia)		2655	(HHV)	2396	(LHV)
F_d (factor)		10609			
F_w (factor)		12586			
F_c (factor)		3063			
Compressibility Factor (@60F, 14.696 psia)		0.9973			
Wobbe Index		217.5			
Specific Gravity		1.1461			

Component	Specific volume reference values *	
Methane	23.7	(ft^3/lb)
Carbon dioxide	8.62	
Nitrogen	13.5	
Oxygen	11.9	
Argon	9.52	
Hydrogen	188.2	

* reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F

Calculated values for Specific Volume, BTU, and F (factor)

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
AtmAA Lab #: 20896-19
Sample ID: Hero Inlet

Specific volume, BTU, and F-factor are calculated using normalized labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard. Heating value factor is a calculated according to ASTM 3588-98 (14.696 psia and 60°F). The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S, Wt.%		
Methane	14.07	6.75	Carbon	24.11	
Carbon dioxide	47.43	62.58	Hydrogen	2.37	
Nitrogen	27.35	22.96	Oxygen	50.29	
Oxygen	4.98	4.78	Nitrogen	22.96	
Argon	0.22	0.26	Argon	0.26	
Hydrogen	4.94	0.30	Sulfur	0.01	
$(CH_2)_n$	1.001	2.37			
Specific Volume		11.363			
BTU/ft3 (Dry @60F, 14.696 psia)		201.9	(HHV)	182.0	(LHV)
BTU/ft3 (Water Saturated @ 0.25636 psia)		198.4	(HHV)	178.9	(LHV)
BTU/lb (Dry @60F, 14.696 psia)		2295	(HHV)	2069	(LHV)
F_d (factor)		11161			
F_w (factor)		13157			
F_c (factor)		3372			
Compressibility Factor (@60F, 14.696 psia)		0.9974			
Wobbe Index		188.4			
Specific Gravity		1.1487			

Component	Specific volume reference values *	
Methane	23.7	(ft^3/lb)
Carbon dioxide	8.62	
Nitrogen	13.5	
Oxygen	11.9	
Argon	9.52	
Hydrogen	188.2	

* reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F

Calculated values for Specific Volume, BTU, and F (factor)

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
AtmAA Lab #: 20896-20
Sample ID: Tank Farm 13

Specific volume, BTU, and F-factor are calculated using normalized labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard. Heating value factor is a calculated according to ASTM 3588-98 (14.696 psia and 60°F). The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S,	Wt.%	
Methane	0.000	0.00	Carbon	1.00	
Carbon dioxide	1.65	2.48	Hydrogen	0.06	
Nitrogen	76.81	73.49	Oxygen	24.21	
Oxygen	20.50	22.40	Nitrogen	73.49	
Argon	0.91	1.24	Argon	1.24	
Hydrogen	0.00	0.00	Sulfur	0.00	
$(CH_2)_n$	0.135	0.38			
Specific Volume		12.955			
BTU/ft3 (Dry @60F, 14.696 psia)		6.218	(HHV)	5.756	(LHV)
BTU/ft3 (Water Saturated @ 0.25636 psia)		6.109	(HHV)	5.656	(LHV)
BTU/lb (Dry @60F, 14.696 psia)		80.55	(HHV)	74.57	(LHV)
F_d (factor)		11300			
F_w (factor)		12815			
F_c (factor)		3975			
Compressibility Factor (@60F, 14.696 psia)		0.9996			
Wobbe Index		6.22			
Specific Gravity		0.9980			

Component	Specific volume reference values *	
Methane	23.7	(ft^3/lb)
Carbon dioxide	8.62	
Nitrogen	13.5	
Oxygen	11.9	
Argon	9.52	
Hydrogen	188.2	

* reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F

Calculated values for Specific Volume, BTU, and F (factor)

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
AtmAA Lab #: 20896-21
Sample ID: Tank Farm Canyon D

Specific volume, BTU, and F-factor are calculated using normalized labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard. Heating value factor is a calculated according to ASTM 3588-98 (14.696 psia and 60°F). The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S,	Wt.%	
Methane	0.41	0.23	Carbon	0.78	
Carbon dioxide	1.32	2.00	Hydrogen	0.08	
Nitrogen	77.15	74.39	Oxygen	23.52	
Oxygen	20.02	22.06	Nitrogen	74.39	
Argon	0.89	1.22	Argon	1.22	
Hydrogen	0.18	0.01	Sulfur	0.00	
$(CH_2)_n$	0.028	0.08			
Specific Volume		13.057			
BTU/ft3 (Dry @60F, 14.696 psia)		5.991	(HHV)	5.394	(LHV)
BTU/ft3 (Water Saturated @ 0.25636 psia)		5.886	(HHV)	5.299	(LHV)
BTU/lb (Dry @60F, 14.696 psia)		78.22	(HHV)	70.42	(LHV)
F_d (factor)		13919			
F_w (factor)		15938			
F_c (factor)		3207			
Compressibility Factor (@60F, 14.696 psia)		0.9996			
Wobbe Index		6.0			
Specific Gravity		0.9903			

Component	Specific volume reference values *	
Methane	23.7	(ft^3/lb)
Carbon dioxide	8.62	
Nitrogen	13.5	
Oxygen	11.9	
Argon	9.52	
Hydrogen	188.2	

* reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F

Calculated values for Specific Volume, BTU, and F (factor)

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
AtmAA Lab #: 20896-22
Sample ID: Flare Station Pre H2S

Specific volume, BTU, and F-factor are calculated using normalized labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard. Heating value factor is a calculated according to ASTM 3588-98 (14.696 psia and 60°F). The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S,	Wt.%	
Methane	26.79	13.99	Carbon	26.27	
Carbon dioxide	37.18	53.40	Hydrogen	3.90	
Nitrogen	26.56	24.28	Oxygen	45.19	
Oxygen	6.08	6.35	Nitrogen	24.28	
Argon	0.27	0.35	Argon	0.35	
Hydrogen	2.55	0.17	Sulfur	0.02	
$(CH_2)_n$	0.537	1.45			
Specific Volume		12.368			
BTU/ft3 (Dry @60F, 14.696 psia)		303.5	(HHV)	273.4	(LHV)
BTU/ft3 (Water Saturated @ 0.25636 psia)		298.2	(HHV)	268.7	(LHV)
BTU/lb (Dry @60F, 14.696 psia)		3754	(HHV)	3382	(LHV)
F_d (factor)		9860			
F_w (factor)		11867			
F_c (factor)		2246			
Compressibility Factor (@60F, 14.696 psia)		0.9977			
Wobbe Index		295.3			
Specific Gravity		1.0564			

Component	Specific volume reference values *	
Methane	23.7	(ft^3/lb)
Carbon dioxide	8.62	
Nitrogen	13.5	
Oxygen	11.9	
Argon	9.52	
Hydrogen	188.2	

* reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F

Calculated values for Specific Volume, BTU, and F (factor)

Report Date: April 6, 2026
Client: Montrose AQS
Project Location: Waste Connections
Date Received: March 30, 2026
Date Analyzed: March 30, 2026
AtmAA Lab #: 20896-23
Sample ID: Flare Station Post H2S

Specific volume, BTU, and F-factor are calculated using normalized labortatory analysis results for methane, carbon dioxide, nitrogen, oxygen, TNMHC, and sulfur compounds in equations that include gross/net heating and specific gas volume values taken from the GPA-2145 Midstream Standard. Heating value factor is a calculated according to ASTM 3588-98 (14.696 psia and 60°F). The F-factor is calculated according to the equation in EPA Method 19.

Component	Mole %	Wt %	C,H,O,N,S, Wt.%		
Methane	28.77	14.99	Carbon	27.84	
Carbon dioxide	40.37	57.84	Hydrogen	4.09	
Nitrogen	22.50	20.52	Oxygen	47.25	
Oxygen	4.98	5.18	Nitrogen	20.52	
Argon	0.22	0.29	Argon	0.29	
Hydrogen	2.77	0.18	Sulfur	0.02	
$(CH_2)_n$	0.368	0.98			
Specific Volume		12.339			
BTU/ft3 (Dry @60F, 14.696 psia)		316.4	(HHV)	284.8	(LHV)
BTU/ft3 (Water Saturated @ 0.25636 psia)		310.9	(HHV)	279.8	(LHV)
BTU/lb (Dry @60F, 14.696 psia)		3904	(HHV)	3514	(LHV)
F_d (factor)		9895			
F_w (factor)		11917			
F_c (factor)		2289			
Compressibility Factor (@60F, 14.696 psia)		0.9975			
Wobbe Index		307.4			
Specific Gravity		1.0590			

Component	Specific volume reference values *	
Methane	23.7	(ft^3/lb)
Carbon dioxide	8.62	
Nitrogen	13.5	
Oxygen	11.9	
Argon	9.52	
Hydrogen	188.2	

* reference, Rev. 2016, GPA-2145 Midstream Standard, Selected Hydrocarbons 60°F

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Silco Canister Samples

Report Date: April 6, 2026
Client: Montrose AQS
Project Name: Waste Connections Chiquita Leachate 1st Qtr
Project Location: Chiquita Leachate Landfill
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30-31, 2026

AtmAA Lab No.:	20896-17	20896-18	20896-19	20896-20
Sample I.D.:	Zeeco Inlet	Parnel Inlet	Hero Inlet	Tank Farm 13
	(Concentration in ppbv)			
Components				
Hydrogen sulfide	102300	158500	123500	<80
Benzene	79300	207000	146000	1510
Benzyl chloride	<17900	<17900	<17900	<50
Chlorobenzene	<20200	<20200	<20200	<50
Dichlorobenzenes*	<30900	<30900	<30900	78.9
1,1-dichloroethane	<22900	<22900	<22900	<60
1,2-dichloroethane	<22900	<22900	<22900	<60
1,1-dichloroethylene	<23400	<23400	<23400	<60
Dichloromethane	<53400	<53400	<53400	<125
1,2-dibromoethane	<12100	<12100	<12100	<30
Perchloroethylene	<13700	<13700	<13700	<30
Carbon tetrachloride	<29500	<29500	<29500	<70
Toluene	<24600	26600	<24600	245
1,1,1-trichloroethane	<17000	<17000	<17000	<40
Trichloroethene	<17300	<17300	<17300	<40
Chloroform	<19000	<19000	<19000	<45
Vinyl chloride	<18200	<18200	<18200	<45
m+p-xylenes	<21400	<21400	<21400	298
o-xylene	<21400	<21400	<21400	128

Toxic air contaminants (TAC) compounds were analyzed by GC/MS, EPA TO-15.
Hydrogen sulfide was analyzed by SCD/GC, SCAQMD 307.91.
** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

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LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Silco Canister Samples

Report Date: April 6, 2026
Client: Montrose AQS
Project Name: Waste Connections Chiquita Leachate 1st Qtr
Project Location: Chiquita Leachate Landfill
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30-31, 2026

AtmAA Lab No.:	20896-21	20896-22	20896-23
Sample I.D.:	Tank Farm Canyon B	Flare Station Pre-H2S	Flare Station Post-H2S
	(Concentration in ppbv)		
Components			
Hydrogen sulfide	<80	165000	185500
Benzene	420	82200	92900
Benzyl chloride	<50	<17900	<17900
Chlorobenzene	<50	<20200	<20200
Dichlorobenzenes*	<70	<30900	<30900
1,1-dichloroethane	<60	<22900	<22900
1,2-dichloroethane	<60	<22900	<22900
1,1-dichloroethylene	<60	<23400	<23400
Dichloromethane	<125	<53400	<53400
1,2-dibromoethane	<30	<12100	<12100
Perchloroethylene	<30	<13700	<13700
Carbon tetrachloride	<70	<29500	<29500
Toluene	258	<24600	<24600
1,1,1-trichloroethane	<40	<17000	<17000
Trichloroethene	<40	<17300	<17300
Chloroform	<45	<19000	<19000
Vinyl chloride	<45	<18200	<18200
m+p-xylenes	104	<21400	<21400
o-xylene	43.8	<21400	<21400

Toxic air contaminants (TAC) compounds were analyzed by GC/MS, EPA TO-15.
Hydrogen sulfide was analyzed by SCD/GC, SCAQMD 307.91.
** total amount containing meta, para, and ortho isomers*

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Project Name: Waste Connections Chiquita Leachate 1st Qtr
Date Received: March 30, 2026
Date Analyzed: March 30-31, 2026

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% RPD
		(Concentration in ppbv)			
Hydrogen sulfide	Parnel Inlet	160000	157000	158500	1.9
Benzene	Parnel Inlet	203000	211000	207000	3.9
Benzyl chloride	Parnel Inlet	<17900	<17900	---	---
Chlorobenzene	Parnel Inlet	<20200	<20200	---	---
Dichlorobenzenes	Parnel Inlet	<30900	<30900	---	---
1,1-dichloroethane	Parnel Inlet	<22900	<22900	---	---
1,2-dichloroethane	Parnel Inlet	<22900	<22900	---	---
1,1-dichloroethylene	Parnel Inlet	<23400	<23400	---	---
Dichloromethane	Parnel Inlet	<53400	<53400	---	---
1,2-dibromoethane	Parnel Inlet	<12100	<12100	---	---
Perchloroethylene	Parnel Inlet	<13700	<13700	---	---
Carbon tetrachloride	Parnel Inlet	<29500	<29500	---	---
Toluene	Parnel Inlet	26100	27100	26600	3.8
1,1,1-trichloroethane	Parnel Inlet	<17000	<17000	---	---
Trichloroethene	Parnel Inlet	<17300	<17300	---	---
Chloroform	Parnel Inlet	<19000	<19000	---	---
Vinyl chloride	Parnel Inlet	<18200	<18200	---	---
m+p-xylenes	Parnel Inlet	<21400	<21400	---	---
o-xylene	Parnel Inlet	<21400	<21400	---	---

Seven Silco canister samples, laboratory numbers 20896-(17-23), were analyzed for SCAQMD Rule 1150.1 components. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD from seven Silco canister samples is 3.2%.

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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds
Analysis in Silco Canister Sample by SCAQMD Method 307.91

Report Date: April 6, 2026
Client: Montrose AQS
Project Name: Waste Connections Chiquita Leachate 1st Qtr
Project Location: Chiquita Leachate Landfill
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30, 2026

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.:	20896-17	20896-18	20896-19	20896-20
Sample I.D.:	Zeeco Inlet	Parnel Inlet	Hero Inlet	Tank Farm 13
Components	*(Concentration in ppmv)*			
Hydrogen sulfide	102	159	124	<0.08
Carbonyl sulfide	<0.50	<2.00	<2.00	<0.08
Methyl mercaptan	108	344	325	0.34
Ethyl mercaptan	1.68	3.72	3.62	<0.08
Dimethyl sulfide	334	975	924	14.67
Carbon disulfide	<0.50	<2.00	<2.00	<0.08
i-Propyl mercaptan	1.33	2.54	2.32	<0.08
t-Butyl mercaptan	<0.50	<2.00	<2.00	<0.08
n-Propyl mercaptan	4.69	10.8	10.8	0.12
s-Butyl mercaptan	4.78	11.2	10.7	<0.08
i-Butyl mercaptan	<0.50	<2.00	<2.00	0.34
Dimethyl disulfide	1.50	7.52	5.76	<0.08
Tetrahydrothiophene	1.90	7.34	6.81	<0.08
Unidentified sulfurs	11.2	29.5	21.4	0.10
	(Concentration in ppmv, as H_2S)			
Total Sulfur	572.32	1557.10	1439.64	15.56

Brian W. Fung
Laboratory Director

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LABORATORY ANALYSIS REPORT

Hydrogen Sulfide and Reduced Sulfur Compounds
Analysis in Silco Canister Sample by SCAQMD Method 307.91

Report Date: April 6, 2026
Client: Montrose AQS
Project Name: Waste Connections Chiquita Leachate 1st Qtr
Project Location: Chiquita Leachate Landfill
Project No.: PROJ-066231
Date Received: March 30, 2026
Date Analyzed: March 30, 2026

ANALYSIS DESCRIPTION

Total sulfur analysis measured by gas chromatography with sulfur chemiluminescence detector (SCD), SCAQMD 307.91.

AtmAA Lab No.:	20896-21	20896-22	20896-23
Sample I.D.:	Tank Farm Canyon B	Flare Station Pre-H2S	Flare Station Post-H2S
Components	*(Concentration in ppmv)*		
Hydrogen sulfide	0.13	165	186
Carbonyl sulfide	<0.08	<0.80	<0.80
Methyl mercaptan	0.79	105	108
Ethyl mercaptan	<0.08	1.26	1.37
Dimethyl sulfide	5.19	363	351
Carbon disulfide	<0.08	<0.80	<0.80
i-Propyl mercaptan	<0.08	1.91	1.88
t-Butyl mercaptan	<0.08	<0.80	<0.80
n-Propyl mercaptan	<0.08	3.88	4.03
s-Butyl mercaptan	<0.08	4.87	4.85
i-Butyl mercaptan	<0.08	<0.80	<0.80
Dimethyl disulfide	<0.08	2.78	2.51
Tetrahydrothiophene	<0.08	2.54	2.32
Unidentified sulfurs	<0.08	9.88	9.77
	(Concentration in ppmv, as H_2S)		
Total Sulfur	6.11	662.39	672.72

Brian W. Fung
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Project Name: Waste Connections Chiquita Leachate 1st Qtr
Date Received: March 30, 2026
Date Analyzed: March 30, 2026

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% RPD
		(Concentration in ppmv)			
Hydrogen sulfide	Zeeco Inlet	100	105	102	5.3
	Parnel Inlet	160	157	159	1.9
	Hero Inlet	127	120	124	5.7
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	0.13	0.13	0.13	0.00
	Flare Station Pre-H2S	156	174	165	11
	Flare Station Post-H2S	188	183	186	2.7
Carbonyl sulfide	Zeeco Inlet	<0.50	<0.50	---	---
	Parnel Inlet	<2.00	<2.00	---	---
	Hero Inlet	<2.00	<2.00	---	---
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	<0.80	<0.80	---	---
	Flare Station Post-H2S	<0.80	<0.80	---	---
Methyl mercaptan	Zeeco Inlet	105	110	108	4.7
	Parnel Inlet	341	346	344	1.5
	Hero Inlet	330	320	325	3.1
	Tank Farm 13	0.34	0.34	0.34	0.00
	Tank Farm Canyon B	0.79	0.78	0.79	1.3
	Flare Station Pre-H2S	106	104	105	1.9
	Flare Station Post-H2S	109	106	108	2.8
Ethyl mercaptan	Zeeco Inlet	1.63	1.72	1.68	5.4
	Parnel Inlet	3.68	3.75	3.72	1.9
	Hero Inlet	3.62	3.62	3.62	0.00
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	1.23	1.29	1.3	4.8
	Flare Station Post-H2S	1.43	1.31	1.37	8.8
Dimethyl sulfide	Zeeco Inlet	328	340	334	3.6
	Parnel Inlet	961	989	975	2.9
	Hero Inlet	932	916	924	1.7
	Tank Farm 13	14.5	14.9	14.7	2.5
	Tank Farm Canyon B	5.22	5.16	5.19	1.2
	Flare Station Pre-H2S	360	365	363	1.4
	Flare Station Post-H2S	356	345	351	3.1
Carbon disulfide	Zeeco Inlet	<0.50	<0.50	---	---
	Parnel Inlet	<2.00	<2.00	---	---
	Hero Inlet	<2.00	<2.00	---	---
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	<0.80	<0.80	---	---
	Flare Station Post-H2S	<0.80	<0.80	---	---

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)
(continued)

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% RPD
		(Concentration in ppmv)			
i-Propyl mercaptan	Zeeco Inlet	1.32	1.33	1.33	0.75
	Parnel Inlet	2.42	2.65	2.54	9.1
	Hero Inlet	2.20	2.43	2.32	10
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	1.88	1.94	1.91	3.1
	Flare Station Post-H2S	1.92	1.84	1.88	4.3
t-Butyl mercaptan	Zeeco Inlet	<0.50	<0.50	---	---
	Parnel Inlet	<2.00	<2.00	---	---
	Hero Inlet	<2.00	<2.00	---	---
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	<0.80	<0.80	---	---
	Flare Station Post-H2S	<0.80	<0.80	---	---
n-Propyl mercaptan	Zeeco Inlet	4.56	4.82	4.69	5.5
	Parnel Inlet	10.7	10.9	10.8	1.9
	Hero Inlet	10.7	10.8	10.8	0.93
	Tank Farm 13	0.12	0.12	0.12	0.00
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	3.87	3.89	3.88	0.52
	Flare Station Post-H2S	4.11	3.95	4.03	4.0
s-Butyl mercaptan	Zeeco Inlet	4.67	4.89	4.78	4.6
	Parnel Inlet	11.0	11.4	11.2	3.6
	Hero Inlet	11.0	10.4	10.7	5.6
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	4.82	4.92	4.87	2.1
	Flare Station Post-H2S	4.88	4.82	4.85	1.2
i-Butyl mercaptan	Zeeco Inlet	<0.50	<0.50	---	---
	Parnel Inlet	<2.00	<2.00	---	---
	Hero Inlet	<2.00	<2.00	---	---
	Tank Farm 13	0.33	0.34	0.34	3.0
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	<0.80	<0.80	---	---
	Flare Station Post-H2S	<0.80	<0.80	---	---
Dimethyl disulfide	Zeeco Inlet	1.52	1.48	1.50	2.7
	Parnel Inlet	7.60	7.43	7.52	2.3
	Hero Inlet	5.95	5.56	5.76	6.8
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	2.78	2.77	2.8	0.36
	Flare Station Post-H2S	2.57	2.44	2.51	5.2

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)
(continued)

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% RPD
		(Concentration in ppmv)			
Tetrahydrothiophene	Zeeco Inlet	1.84	1.95	1.90	5.8
	Parnel Inlet	6.94	7.73	7.34	11
	Hero Inlet	6.78	6.84	6.81	0.88
	Tank Farm 13	<0.08	<0.08	---	---
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	2.51	2.57	2.54	2.4
	Flare Station Post-H2S	2.34	2.29	2.32	2.2
Unidentified sulfurs	Zeeco Inlet	11.0	11.3	11.2	2.7
	Parnel Inlet	28.8	30.2	29.5	4.6
	Hero Inlet	22.3	20.6	21.4	7.8
	Tank Farm 13	0.11	0.09	0.10	16
	Tank Farm Canyon B	<0.08	<0.08	---	---
	Flare Station Pre-H2S	9.73	10.0	9.88	3.1
	Flare Station Post-H2S	9.90	9.63	9.77	2.8

Seven Silco canister samples, laboratory numbers 20896-(17-23), were analyzed for total sulfur compounds. Agreement between repeat analyses is a measure of precision and is shown above in the column "% RPD". The average % RPD from seven Silco canister samples is 3.7%.

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CHAIN OF CUSTODY RECORD

Client/Project Name: WASTE CONNECTIONS CHIQUITA LEACHATE 1ST QTR	**Project Location:** CHIQUITA LEACHATE LANDFILL
Project Number: PROJ- 066231	**Purchase Order Number:**
Sampler: *(Signature)*	**Turnaround Times:** Standard 10 day **Expedited:** 24hr / 48hr / 72hr / 5 day

ANALYSES REQUESTED

Client Sample Identification	Type of Sample Canister ID	AtmAA Lab Number	Sampling Date	Sampling Time	ASTM 1945/3588	TO-15 Fixed Gases	Rule 1150.1	SCAQMD 307-91				Special Remarks
ZEECO INLET	0554	20896-17	3/30/26	0730	X	X	X					
PARNELL INLET	246036	-18		0730	X	X	X					
HERO INLET	0550	-19		0810	X	X	X					
TANK FARM 13	0576	-20		0845	X	X	X					
TANK FARM CANYON	53503	-21		0845	X	X	X					
FLARE STATION PRE H2S	226011	-22		0920	X	X	X					
FLARE STATION POST H2S	0571	-23		0920	X	X	X					
							X					

	Date	Time		Date	Time
Relinquished by: *(Signature)*	3/30/26	11:11	**Received by:** *(Signature)*		
Relinquished by: *(Signature)*			**Received by:** *(Signature)*		
Relinquished by: *(Signature)*			**Received for Laboratory by:** *(Signature)*	3/30/26	17:11

Company Info:

Company: MONTROSE AQS
Street Address: 1631 E. ST. ANDREW PL
City/State/Zip: SANTA ANA
Telephone No.: 626-617-6313
Email Address: RSANJUAN@MONTROSE-ENV.COM

Send Report to:

Company:
Street Address:
City/State/Zip:
Project Manager:
Email Address:

Analytical Laboratory

AtmAA Inc.
23917 Craftsman Rd.
Calabasas, CA 91302
TEL: (818) 223-3277
Email Address: info@atmaa.com

Appendix A.4
Quality Assurance Data

Barometric Pressure Determination

Date: 03/30/26

Time: 7:00

Data By: SJ, AD, JI

Reference: https://forecast.weather.gov/MapClick.php?lat=33.6873&lo

Lat: 34.42972°NLon: 118.66712°WElev: 1278.0ft.

Reference Barometer ID	**DEL VALLE (DLVC1)**
Reference Barometer Location	
Reference Barometer Other Info.	
Reference Barometer Indication, corrected to sea level	29.91
Reference Barometer Reference Elevation	**1278**
Reference Barometer Actual Pressure	28.63
Test Barometer Location/Site	**Chiquita Canyon**
Location/Site Elevation	**997**
Location/Site Barometric Pressure	28.91
Sampling Location Height (above/below site elevation)	**1**
Sampling Location Barometric Pressure	**28.91**

MONTROSE
AIR QUALITY SERVICES

DIGITAL TEMPERATURE READOUT CALIBRATION

Digital Temperature Readout ID: PTC-43
Readout Description: Handheld
Date: 1/2/2026
Performed By: PR/RMO

Calibrated Thermocouple ID: TC-Cal
T1 Reference Thermometer ID: 2736
T2 Reference Thermometer ID: 2786
T3 Reference Thermometer ID: 0425-3218

T/C I.D. **TC-Cal**	Readout I.D.	T/C - Readout °F				Reference Thermometer °F				Difference		
		Reading 1	Reading 2	Reading 3	Average	Reading 1	Reading 2	Reading 3	Average	°F	%, (°R)	
T3 (~ 370 F)	PTC-43	369	369	369	369	370	370	370	370	1.0	0.1%	Pass
T2 (~212 F)	PTC-43	209	209	209	209	212	212	212	212	3.0	0.4%	Pass
T1 (~ 32 F)	PTC-43	28	28	28	28	32	32	32	32	4.0	0.8%	Pass

1) Difference % (°R) = Difference (°F) / (Average Tref + 460)
2) Pass if all Differences are less than 1.5% (°R)

Thermocouple Source Readings

	T/C Source S/N	T/C - Readout °F				T/C Source °F				Difference		
		Reading 1	Reading 2	Reading 3	Average	Reading 1	Reading 2	Reading 3	Average	°F	%, (°R)	
T4 (~650 F)	129462	651	651	651	651	650	650	650	650	1.0	0.1%	Pass
T3 (~370 F)	129462	369	369	369	369	370	370	370	370	1.0	0.1%	Pass
T2 (~212 F)	129462	212	212	212	212	212	212	212	212	0.0	0.0%	Pass
T1 (~32 F)	129462	31	31	31	31	32	32	32	32	1.0	0.2%	Pass

1) Difference % (°R) = Difference (°F) / (Average Tref + 460)
2) Pass if all Differences are less than 1.5% (°R)

MONTROSE
AIR QUALITY SERVICES

THERMOCOUPLE CALIBRATION

Thermocouple ID: 30
Date: 1/2/2026
Performed By: PR/RMO

Calibrated Digital Temperature Readout ID: PTC-93
T1 Reference Thermometer ID: 2736
T2 Reference Thermometer ID: 2786
T3 Reference Thermometer ID: 0425-3218

T/C I.D. **30**	Readout I.D.	T/C - Readout °F Reading 1	Reading 2	Reading 3	Average	Reference Thermometer °F Reading 1	Reading 2	Reading 3	Average	Difference °F	Difference %, (°R)	
T3 (~ 370 F)	PTC-93	369	369	369	369	370	370	370	370	1.0	0.1%	Pass
T2 (~ 212 F)	PTC-93	217	217	217	217	212	212	212	212	5.0	0.7%	Pass
T1 (~ 32 F)	PTC-93	37	37	37	37	32	32	32	32	5.0	1.0%	Pass

1) Difference % (°R) = Difference (°F) / (Average Tref + 460)
2) Pass if all Differences are less than 1.5% (°R)

MONTROSE
AIR QUALITY SERVICES

THERMOCOUPLE CALIBRATION

Thermocouple ID: TC-WB
Date: 1/2/2026
Performed By: PR/RMO

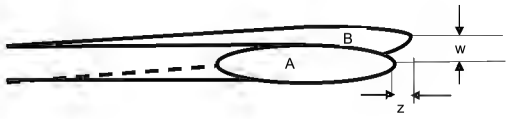
Calibrated Digital Temperature Readout ID: PTC-93
T1 Reference Thermometer ID: 2736
T2 Reference Thermometer ID: 2786
T3 Reference Thermometer ID: 0425-3218

T/C I.D. **TC-WB**	Readout I.D.	T/C - Readout °F Reading 1	Reading 2	Reading 3	Average	Reference Thermometer °F Reading 1	Reading 2	Reading 3	Average	Difference °F	%, (°R)	
T3 (~ 370 F)	PTC-93	373	373	373	373	370	370	370	370	3.0	0.4%	Pass
T2 (~ 212 F)	PTC-93	220	220	220	220	212	212	212	212	8.0	1.2%	Pass
T1 (~ 32 F)	PTC-93	39	39	39	39	32	32	32	32	7.0	1.4%	Pass

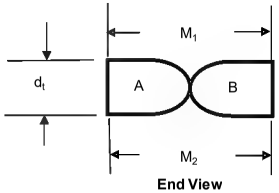
1) Difference % (°R) = Difference (°F) / (Average Tref + 460)
2) Pass if all Differences are less than 1.5% (°R)

MONTROSE
AIR QUALITY SERVICES

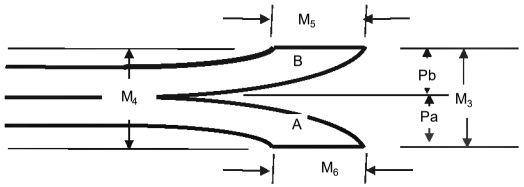
S Type Pitot Tube Dimensional Calibration Record



Side View



End View



Top View

Acceptability Criteria			z < 1/8"	w < 1/32"	Yes	"3/16" < Dt < 3/8"	n/a	n/a	n/a	n/a	n/a	n/a	10 degrees	5 degrees	1.05 Dt < P < 1.5 Dt	
Pitot ID	Date	Calibrated By	Side View, Impact openings Properly aligned, z < 1/8"	Side View, Impact openings Properly aligned, w < 1/32"	Pa = Pb	Tubing Diameter, dt	M1	M2	M3	M4	M5	M6	Average Face Opening Plane Angle, offset from perpendicular to transverse axis	Average Face Opening Plane Frontal Angle from parallel to Longitudinal Axis	Ratio of P/Dt	Status
030	1/2/26	JL/RC	Y	Y	Y	0.215	0.520	0.530	0.520	0.530	0.300	0.300	-1.3	-1.0	1.2	Pass

Notes: Reference "A Type-S Pitot Tube Calibration Study", Robert F. Vollaro, October 15, 1975
If tube is not visibly deformed it is assumed that Pa = Pb = .5 x avg. of M1 & M2, and that average face opening plane angles represent individual angles to tube axis

DIFFERENTIAL PRESSURE CALIBRATION

Semi-annual

Display ID: ADM 9
Description: Air Data Multimeter (ADM 850)
Serial Number: M14140
Calibration Date: 1/2/2026

Reference Device ID: Microtector
Reference Serial Number: S270
Calibrated By: K. Thomas

Calibration Range Scale: 0 - 0.050 inches H_2O		Run 1 Measured Value (inches W.C.)	Run 1 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.010	0.010	0.010	0.0000	0.00%	Pass
Target 40%	0.020	0.020	0.020	0.0000	0.00%	Pass
Target 60%	0.030	0.031	0.030	0.0010	3.33%	Pass
Target 80%	0.040	0.040	0.040	0.0000	0.00%	Pass
Target 100%	0.050	0.050	0.050	0.0000	0.00%	Pass

Calibration Range Scale: 0 - 0.050 inches H_2O		Run 2 Measured Value (inches W.C.)	Run 2 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.010	0.010	0.010	0.0000	0.00%	Pass
Target 40%	0.020	0.020	0.020	0.0000	0.00%	Pass
Target 60%	0.030	0.030	0.030	0.0000	0.00%	Pass
Target 80%	0.040	0.041	0.040	0.0010	2.50%	Pass
Target 100%	0.050	0.051	0.050	0.0010	2.00%	Pass

Calibration Range Scale: 0 - 0.050 inches H_2O		Run 3 Measured Value (inches W.C.)	Run 3 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.010	0.010	0.010	0.0000	0.00%	Pass
Target 40%	0.020	0.020	0.020	0.0000	0.00%	Pass
Target 60%	0.030	0.030	0.030	0.0000	0.00%	Pass
Target 80%	0.040	0.040	0.040	0.0000	0.00%	Pass
Target 100%	0.050	0.050	0.050	0.0000	0.00%	Pass

Criteria: Each individual measured value within + or - 5.0% of reference value.
Percent difference of three run average within 5.0 %.

Average results for three runs

% Difference	Pass/Fail
0.52%	Pass

MONTROSE AIR QUALITY SERVICES

DIFFERENTIAL PRESSURE CALIBRATION

Semi-annual

Display ID: ADM 9
Description: Air Data Multimeter (ADM 850)
Serial Number: M14140
Calibration Date: 1/2/2026

Reference Device ID: Microtector
Reference Serial Number: S270
Calibrated By: K. Thomas

Calibration Range Scale: 0 - 0.100 inches H_2O		Run 1 Measured Value (inches W.C.)	Run 1 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.020	0.020	0.020	0.0000	0.00%	Pass
Target 40%	0.040	0.041	0.040	0.0010	2.50%	Pass
Target 60%	0.060	0.062	0.060	0.0020	3.33%	Pass
Target 80%	0.080	0.083	0.080	0.0030	3.75%	Pass
Target 100%	0.100	0.099	0.100	0.0010	1.00%	Pass

Calibration Range Scale: 0 - 0.100 inches H_2O		Run 2 Measured Value (inches W.C.)	Run 2 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.020	0.020	0.020	0.0000	0.00%	Pass
Target 40%	0.040	0.041	0.040	0.0010	2.50%	Pass
Target 60%	0.060	0.062	0.060	0.0020	3.33%	Pass
Target 80%	0.080	0.080	0.080	0.0000	0.00%	Pass
Target 100%	0.100	0.100	0.100	0.0000	0.00%	Pass

Calibration Range Scale: 0 - 0.100 inches H_2O		Run 3 Measured Value (inches W.C.)	Run 3 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.020	0.020	0.020	0.0000	0.00%	Pass
Target 40%	0.040	0.041	0.040	0.0010	2.50%	Pass
Target 60%	0.060	0.060	0.060	0.0000	0.00%	Pass
Target 80%	0.080	0.082	0.080	0.0020	2.50%	Pass
Target 100%	0.100	0.100	0.100	0.0000	0.00%	Pass

Criteria: Each individual measured value within + or - 5.0% of reference value.
Percent difference of three run average within 5.0 %.

Average results for three runs

% Difference	Pass/Fail
1.43%	Pass

MONTROSE AIR QUALITY SERVICES

DIFFERENTIAL PRESSURE CALIBRATION

Semi-annual

Display ID: ADM 9
Description: Air Data Multimeter (ADM 850)
Serial Number: M14140
Calibration Date: 1/2/2026

Reference Device ID: Microtector
Reference Serial Number: S270
Calibrated By: K. Thomas

Calibration Range Scale: 0 - 1.000 inches H_2O		Run 1 Measured Value (inches W.C.)	Run 1 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.200	0.200	0.200	0.0000	0.00%	Pass
Target 40%	0.400	0.405	0.400	0.0050	1.25%	Pass
Target 60%	0.600	0.610	0.600	0.0100	1.67%	Pass
Target 80%	0.800	0.790	0.800	0.0100	1.25%	Pass
Target 100%	1.000	1.000	1.000	0.0000	0.00%	Pass

Calibration Range Scale: 0 - 1.000 inches H_2O		Run 2 Measured Value (inches W.C.)	Run 2 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.200	0.210	0.200	0.0100	5.00%	Pass
Target 40%	0.400	0.415	0.400	0.0150	3.75%	Pass
Target 60%	0.600	0.595	0.600	0.0050	0.83%	Pass
Target 80%	0.800	0.810	0.800	0.0100	1.25%	Pass
Target 100%	1.000	1.000	1.000	0.0000	0.00%	Pass

Calibration Range Scale: 0 - 1.000 inches H_2O		Run 3 Measured Value (inches W.C.)	Run 3 Reference Value (inches W.C.)	Individual Run Results Absolute Value	% Difference	Pass/ Fail
Target 20%	0.200	0.200	0.200	0.0000	0.00%	Pass
Target 40%	0.400	0.405	0.400	0.0050	1.25%	Pass
Target 60%	0.600	0.600	0.600	0.0000	0.00%	Pass
Target 80%	0.800	0.805	0.800	0.0050	0.63%	Pass
Target 100%	1.000	1.000	1.000	0.0000	0.00%	Pass

Criteria: Each individual measured value within + or - 5.0% of reference value.
Percent difference of three run average within 5.0 %.

Average results for three runs

% Difference	Pass/Fail
1.13%	Pass

MONTROSE AIR QUALITY SERVICES

DIFFERENTIAL PRESSURE CALIBRATION

Semi-annual

Display ID: ADM 9
Description: Air Data Multimeter (ADM 850)
Serial Number: M14140
Calibration Date: 1/2/2026

Reference Device ID: Dwyer 0 - 10" Manometer
Reference Serial Number: CC-2
Calibrated By: K. Thomas

Calibration Range		Run 1		Individual Run Results		
Scale: 0 - 10.000 inches H_2O		Measured Value (inches W.C.)	Reference Value (inches W.C.)	Absolute Value	% Difference	Pass/ Fail
Target 20%	2.000	2.000	2.000	0.0000	0.00%	Pass
Target 40%	4.000	4.060	4.000	0.0600	1.50%	Pass
Target 60%	6.000	6.075	6.000	0.0750	1.25%	Pass
Target 80%	8.000	8.000	8.000	0.0000	0.00%	Pass
Target 100%	10.000	9.995	10.000	0.0050	0.05%	Pass

Calibration Range		Run 2		Individual Run Results		
Scale: 0 - 10.000 inches H_2O		Measured Value (inches W.C.)	Reference Value (inches W.C.)	Absolute Value	% Difference	Pass/ Fail
Target 20%	2.000	2.000	2.000	0.0000	0.00%	Pass
Target 40%	4.000	4.010	4.000	0.0100	0.25%	Pass
Target 60%	6.000	6.060	6.000	0.0600	1.00%	Pass
Target 80%	8.000	8.000	8.000	0.0000	0.00%	Pass
Target 100%	10.000	10.000	10.000	0.0000	0.00%	Pass

Calibration Range		Run 3		Individual Run Results		
Scale: 0 - 10.000 inches H_2O		Measured Value (inches W.C.)	Reference Value (inches W.C.)	Absolute Value	% Difference	Pass/ Fail
Target 20%	2.000	2.000	2.000	0.0000	0.00%	Pass
Target 40%	4.000	4.010	4.000	0.0100	0.25%	Pass
Target 60%	6.000	6.005	6.000	0.0050	0.08%	Pass
Target 80%	8.000	8.015	8.000	0.0150	0.19%	Pass
Target 100%	10.000	10.000	10.000	0.0000	0.00%	Pass

Criteria: Each individual measured value within + or - 5.0% of reference value.
Percent difference of three run average within 5.0 %.

Average results for three runs

% Difference	Pass/Fail
0.30%	Pass

MONTROSE AIR QUALITY SERVICES

APPENDIX B
GENERAL EMISSIONS CALCULATIONS

GENERAL EMISSIONS CALCULATIONS

I. Stack Gas Velocity

A. Stack gas molecular weight, lb/lb-mole

$MW_{dry} = 0.44 * \%\ CO_2 + 0.32 * \%\ O_2 + 0.28 * \%\ N_2$

$MW_{wet} = MW_{dry} * (1 - B_{wo}) + 18 * B_{wo}$

B. Absolute stack pressure, iwg

$$P_s = P_{bar} + \frac{P_{sg}}{13.6}$$

C. Stack gas velocity, ft/sec

$$V_s = 2.9 * C_p * \sqrt{\Delta P} * \sqrt{T_s} * \sqrt{\frac{29.92 * 28.95}{P_s * MW_{wet}}}$$

II. Moisture

A. Sample gas volume, dscf

$$V_{mstd} = 0.03342 * V_m * \left(P_{bar} + \frac{\Delta H}{13.6}\right) * \frac{T_{ref}}{T_m} * Y_d$$

B. Water vapor volume, scf

$$V_{wstd} = 0.0472 * V_{ic} * \frac{T_{ref}}{528°R}$$

C. Moisture content, dimensionless

$$B_{wo} = \frac{V_{wstd}}{(V_{mstd} + V_{wstd})}$$

III. Stack Gas Volumetric Flow Rate

A. Actual stack gas volumetric flow rate, wacfm

$Q = V_s * A_s * 60$

B. Standard stack gas flow rate, dscfm

$$Q_{sd} = Q * (1 - B_{wo}) * \frac{T_{ref}}{T_s} * \frac{P_s}{29.92}$$

Nomenclature:

A_s	=	stack area, ft^2
B_{wo}	=	flue gas moisture content, dimensionless
$C_{12\%CO2}$	=	particulate grain loading, gr/dscf corrected to 12% CO_2
C	=	particulate grain loading, gr/dscf
C_p	=	pitot calibration factor, dimensionless
Dn	=	nozzle diameter, inches
F	=	fuel F-Factor, dscf/MMBtu @ 0% O_2
H	=	orifice differential pressure, iwg
I	=	% isokinetics
M_n	=	mass of collected particulate, mg
M_i	=	mass emission rate of specie i, lb/hr
MW	=	molecular weight of flue gas, lb/lb-mole
M_{wi}	=	molecular weight of specie i:
	SO_2:	64
	NO_x:	46
	CO:	28
	HC:	16
0	=	sample time, minutes
ΔP	=	average velocity head, iwg = $(\sqrt{\Delta P})^2$
P_{bar}	=	barometric pressure, inches Hg
P_s	=	stack absolute pressure, inches Hg
P_{sg}	=	stack static pressure, iwb
Q	=	wet stack flow rate at actual conditions, wacfm
Q_{sd}	=	dry standard stack flow rate, dscfm
SV	=	specific molar volume of an ideal gas at standard conditions, ft^3/lb-mole
T_m	=	meter temperature, °R
T_{ref}	=	reference temperature, °R
T_s	=	stack temperature, °R
V_s	=	stack gas velocity, ft/sec
V_{lc}	=	volume of liquid collected in impingers, ml
V_m	=	uncorrected dry meter volume, dcf
V_{mstd}	=	dry meter volume at standard conditions, dscf
V_{wstd}	=	volume of water vapor at standard conditions, scf
Y_d	=	meter calibration coefficient

APPENDIX C
QUALITY ASSURANCE

Appendix C.1
Quality Assurance Program Summary

QUALITY ASSURANCE PROGRAM SUMMARY

As part of Montrose Air Quality Services, LLC (Montrose) ASTM D7036-04 certification, Montrose is committed to providing emission related data which is complete, precise, accurate, representative, and comparable. Montrose quality assurance program and procedures are designed to ensure that the data meet or exceed the requirements of each test method for each of these items. The quality assurance program consists of the following items:

- Assignment of an Internal QA Officer
- Development and use of an internal QA Manual
- Personnel training
- Equipment maintenance and calibration
- Knowledge of current test methods
- Chain-of-custody
- QA reviews of test programs

Assignment of an Internal QA Officer: Montrose has assigned an internal QA Officer who is responsible for administering all aspects of the QA program.

Internal Quality Assurance Manual: Montrose has prepared a QA Manual according to the requirements of ASTM D7036-04 and guidelines issued by EPA. The manual documents and formalizes all of Montrose's QA efforts. The manual is revised upon periodic review and as Montrose adds capabilities. The QA manual provides details on the items provided in this summary.

Personnel Testing and Training: Personnel testing and training is essential to the production of high quality test results. Montrose training programs include:

- A requirement for all technical personnel to read and understand the test methods performed
- A requirement for all technical personnel to read and understand the Montrose QA manual
- In-house testing and training
- Quality Assurance meetings
- Third party testing where available
- Maintenance of training records.

Equipment Maintenance and Calibration: All laboratory and field equipment used as a part of Montrose's emission measurement programs is maintained according to manufacturer's recommendations. A summary of the major equipment maintenance schedules is summarized in Table 1. In addition to routine maintenance, calibrations are performed on all sampling equipment according to the procedures outlined in the applicable test method. The calibration intervals and techniques for major equipment components is summarized in Table 2. The calibration technique may vary to meet regulatory agency requirements.

Knowledge of Current Test Methods: Montrose maintains current copies of EPA, ARB, and SCAQMD Source Test Manuals and Rules and Regulations.

Chain-of-Custody: Montrose maintains chain-of-custody documentation on all data sheets and samples. Samples are stored in a locked area accessible only to Montrose source test personnel. Data sheets are kept in the custody of the originator, program manager, or in locked storage until return to Montrose office. Electronic field data is duplicated for backup on secure storage media. The original data sheets are used for report preparation and any additions are initialed and dated.

QA Reviews: Periodic field, laboratory, and report reviews are performed by the in-house QA coordinator. Periodically, test plans are reviewed to ensure proper test methods are selected and reports are reviewed to ensure that the methods were followed and any deviations from the methods are justified and documented.

ASTM D7036-04 Required Information

Uncertainty Statement

Montrose is qualified to conduct this test program and has established a quality management system that led to accreditation with ASTM Standard D7036-04 (Standard Practice for Competence of Air Emission Testing Bodies). Montrose participates in annual functional assessments for conformance with D7036-04 which are conducted by the American Association for Laboratory Accreditation (A2LA). All testing performed by Montrose is supervised on site by at least one Qualified Individual (QI) as defined in D7036-04 Section 8.3.2. Data quality objectives for estimating measurement uncertainty within the documented limits in the test methods are met by using approved test protocols for each project as defined in D7036-04 Sections 7.2.1 and 12.10. Additional quality assurance information is presented in the report appendices.

Performance Data

Performance data are available for review.

Qualified Personnel

A qualified individual (QI), defined by performance on a third party or internal test on the test methods, is present on each test event.

Plant Entry and Safety Requirements

Plant Entry

All test personnel are required to check in with the guard at the entrance gate or other designated area. Specific details are provided by the facility and project manager.

Safety Requirements

All personnel shall have the following personal protective equipment (PPE) and wear them where designated:

- Hard Hat
- Safety Glasses
- Steel Toe Boots
- Hearing Protection
- Gloves
- High Temperature Gloves (if required)
- Flame Resistant Clothing (if required)

The following safety measures are followed:

- Good housekeeping
- SDS for all on-site hazardous materials
- Confine selves to necessary areas (stack platform, mobile laboratory, CEMS data acquisition system, control room, administrative areas)
- Knowledge of evacuation procedures

Each facility will provide plant specific safety training.

TABLE 1
EQUIPMENT MAINTENANCE SCHEDULE

Equipment	Acceptance Limits	Frequency of Service	Methods of Service
Pumps	1. Absence of leaks 2. Ability to draw manufacturers required vacuum and flow	As recommended by manufacturer	1. Visual inspection 2. Clean 3. Replace parts 4. Leak check
Flow Meters	1. Free mechanical movement	As recommended by manufacturer	1. Visual inspection 2. Clean 3. Calibrate
Sampling Instruments	1. Absence of malfunction 2. Proper response to zero span gas	As recommended by manufacturer	As recommended by manufacturer
Integrated Sampling Tanks	1. Absence of leaks	Depends on nature of use	1. Steam clean 2. Leak check
Mobile Van Sampling System	1. Absence of leaks	Depends on nature of use	1. Change filters 2. Change gas dryer 3. Leak check 4. Check for system contamination
Sampling Lines	1. Sample degradation less than 2%	After each test series	1. Blow dry, inert gas through line until dry

TABLE 2
MAJOR SAMPLING EQUIPMENT CALIBRATION REQUIREMENTS

Sampling Equipment	Calibration Frequency	Calibration Procedure	Acceptable Calibration Criteria
Continuous Analyzers	Before and After Each Test Day	3-point calibration error test	< 2% of analyzer range
Continuous Analyzers	Before and After Each Test Run	2-point sample system bias check	< 5% of analyzer range
Continuous Analyzers	After Each Test Run	2-point analyzer drift determination	< 3% of analyzer range
CEMS System	Beginning of Each Day	leak check	< 1 in. Hg decrease in 5 min. at > 20 in. Hg
Continuous Analyzers	Semi-Annually	3-point linearity	< 1% of analyzer range
NO_x Analyzer	Daily	NO_2 -> NO converter efficiency	> 90%
Differential Pressure Gauges (except for manometers)	Semi-Annually	Correction factor based on 5-point comparison to standard	± 5%
Differential Pressure Gauges (except for manometers)	Bi-Monthly	3-point comparison to standard, no correction factor	± 5%
Barometer	Semi-Annually	Adjusted to mercury-in-glass or National Weather Service Station	± 0.1 inches Hg
Dry Gas Meter	Semi-Annually	Calibration check at 4 flow rates using a NIST traceable standard	± 2%
Dry Gas Meter	Bi-Monthly	Calibration check at 2 flow rates using a NIST traceable standard	± 2% of semi-annual factor
Dry Gas Meter Orifice	Annually	4-point calibration for ΔH@	--
Temperature Sensors	Semi-Annually	3-point calibration vs. NIST traceable standard	± 1.5%

Note: Calibration requirements that meet applicable regulatory agency requirements are used.

Appendix C.2
SCAQMD and STAC Certifications

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

September 18, 2025

Mr. John Peterson
Montrose Air Quality Services, LLC
1631 E. Saint Andrew Place
Santa Ana, CA 92705

Subject: LAP Approval Notice
Reference # 96LA1220

Dear Mr. Peterson:

We have completed our review of Montrose Air Quality Services' renewal application under the South Coast AQMD Laboratory Approval Program (LAP). We are pleased to inform you that your firm is approved for the period beginning September 30, 2025, and ending September 30, 2026, for the following methods, subject to the requirements in the LAP Conditions For Approval Agreement and conditions listed in the attachment to this letter:

South Coast AQMD Methods 1-4
South Coast AQMD Methods 10.1 and 100.1
South Coast AQMD Methods 5.1, 5.2, 5.3, 6.1 (Sampling and Analysis)
South Coast AQMD Methods 25.1 and 25.3 (Sampling)
Rule 1121/ 1146.2 Protocol
Rule 1420/1420.1/1420.2 – (Lead) Source and Ambient Sampling
USEPA CTM-030 and ASTM D6522-00

Your LAP approval to perform nitrogen oxide emissions compliance testing for Rule 1121/ 1146.2 Protocols includes satellite facilities located at:

McKenna Boiler
1510 North Spring Street
Los Angeles, CA 90012

Noritz America Corp.
11160 Grace Avenue
Fountain Valley, CA 92708

Ajax Boiler, Inc.
2701 S. Harbor Blvd.
Santa Ana, CA 92704

VA Laundry Bldg., Greater LA Healthcare Sys.
508 Constitution Avenue
Los Angeles, CA 90049

So Cal Gas – Engr Analysis Ctr, Bldg H
8101 Rosemead Blvd
Pico Rivera, CA 90660

Thank you for participating in the LAP. Your cooperation helps us to achieve the goal of the LAP: to maintain high standards of quality in the sampling and analysis of source emissions. You may direct any questions or information to me by telephone at (909) 396-2476, or via e-mail at ceckerle@aqmd.gov.

Sincerely,

Colin Eckerle
Program Supervisor
Source Test Engineering

CE/ce
Attachment

250918 LapRenewal.doc

STAC STACK TESTING ACCREDITATION COUNCIL

A2LA American Association for Laboratory Accreditation

Accredited Air Emission Testing Body

A2LA has accredited

MONTROSE AIR QUALITY SERVICES

In recognition of the successful completion of the joint A2LA and Source Evaluation Society (SES) evaluation process, this laboratory is accredited to perform testing activities in compliance with ASTM D7036:2004 - Standard Practice for Competence of Air Emission Testing Bodies.

Presented this 23rd day of January 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3925.01
Valid to February 29, 2028

This accreditation program is not included under the A2LA ILAC Mutual Recognition Arrangement.

Appendix C.3
Individual QI Certifications

CERTIFICATE OF COMPLETION

Pedro SanJuan

This document certifies that this individual has passed a comprehensive examination and is now a Qualified Individual (QI) as defined in Section 8.3 of ASTM D7036-04 for the following method(s):

SCAQMD Methods 1.1, 1.2, 2.1, 2.2, 2.3, 3.1, & 4.1

Certificate Number: 002-2022-50

DATE OF ISSUE: 02/28/2022

DATE OF EXPIRATION: 02/27/2027

Tate Strickler, VP – Quality Systems

MONTROSE ENVIRONMENTAL

MONTROSE AIR QUALITY SERVICES

CERTIFICATE OF COMPLETION

Pedro SanJuan

This document certifies that this individual has passed a comprehensive examination and is now a Qualified Individual (QI) as defined in Section 8.3 of ASTM D7036-04 for the following method(s):

SCAQMD Methods 25.1, 25.3 & 307-91

Certificate Number: 002-2022-52

Tate Strickler, VP – Quality Systems

DATE OF ISSUE: 02/28/2022

DATE OF EXPIRATION: 02/27/2027

MONTROSE ENVIRONMENTAL

MONTROSE AIR QUALITY SERVICES

Certificate of Completion

Pedro SanJuan

This document certifies that this individual has passed a comprehensive examination and is now a Qualified Individual (QI) as defined in Section 8.3 of ASTM D7036-04 for the following method(s):

EPA Methods 3C, TO-8, TO-12 and TO-15

Certificate Number: 002-2023-48

Tate Strickler, VP – Quality Systems

Date of Issue: 11/01/2023

Date of Expiration: 10/31/2028

MONTROSE ENVIRONMENTAL

Appendix C.4
Statement of No Conflict of Interest

STATEMENT OF NO CONFLICT OF INTEREST AS AN INDEPENDENT TESTING LABORATORY

(To be completed by authorized source testing firm representative and included in source test report)

The following facility and equipment were tested by my source testing firm and are the subjects of this statement:

Facility ID:	**119219**
Date(s) Tested:	**March 30, 2026**
Facility Name:	**Chiquita Canyon Landfill**
Equipment Address:	**29201 Henry Mayo Drive**
	Castaic, California 91384
Equipment Tested:	**Leachate and Condensate Sampling System**

I state, as its legally authorized representative, that the source testing firm of:

Source Test Firm:	Montrose Air Quality Services, LLC
Business Address:	1631 E. St. Andrew Pl.
	Santa Ana, California 92705

is an "Independent Testing Laboratory" as defined in ***District Rule 304(k):***

For the purposes of this Rule, when an independent testing laboratory is used for the purposes of establishing compliance with District rules or to obtain a District permit to operate, it must meet all of the following criteria:

(1) The testing laboratory shall have no financial interest in the company or facility being tested, or in the parent company, or any subsidiary thereof -

(2) The company or facility being tested, or parent company or any subsidiary thereof, shall have no financial interest in the testing laboratory;

(3) Any company or facility responsible for the emission of significant quantities of pollutants to the atmosphere, or parent company or any subsidiary thereof shall have no financial interest in the testing laboratory; and

(4) The testing laboratory shall not be in partnership with, own or be owned by, in part or in full, the contractor who has provided or installed equipment (basic or control), or monitoring systems, or is providing maintenance for installed equipment or monitoring systems, for the company being tested.

Furthermore, I state that any contracts or agreements entered into by my source testing firm and the facility referenced above, or its designated contractor(s), either verbal or written, are not contingent upon the outcome of the source testing, or the source testing information provided to the SCAQMD.

Signature: _____ **Date:** **4/28/2026**

Pete SanJuan	**Client Project Manager**	**(714) 279-6777**	**4/28/2026**
(Name)	(Title)	(Phone)	(Date)

FORM ST-110 :stevforl.doc (Revised 11/18/98

APPENDIX D
FACILITY PERMIT

FACILITY PERMIT TO OPERATE
CHIQUITA CANYON LLC

PERMIT TO CONSTRUCT/OPERATE

Permit No. G66132
A/N 613131

Equipment Description:

Modification of an existing Landfill Gas Condensate and Leachate Collection/Storage System consisting of:

1. Condensate storage tank, 5,000-gallon capacity, at Canyon B.
2. Condensate storage tank, 10,000-gallon capacity, at Primary Canyon.
3. Condensate storage tanks, three (3), each 6,650-gallon capacity, at flare station.
4. Leachate collection tanks, up to (4), each 10,000-gallon capacity, and one 1,600-gallon capacity, with associated sump pump and transfer pumps.

By removal of:

1. One 1,600-gallon capacity leachate collection tank [under Item 4].

By addition of:

1. One 10,000-gallon capacity leachate collection tank [to Item 4].

Conditions:

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 204]
2. This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 204]
3. This equipment shall be operated and maintained by personnel properly trained in its operation.
[Rule 204]
4. This equipment shall be vented to air pollution control equipment which is in full operation and has been issued a valid Permit to Construct or Operate by the South Coast AQMD.
[Rule 1303(a)(1)-BACT]
5. This equipment shall be used only for the storage of landfill gas condensate and leachate collection.
[Rule 204]
6. All connectors, valves and openings shall be properly sealed or closed at all times to prevent landfill gas condensate vapors from entering into the atmosphere unless disposal of the condensate/leachate is taking place or during maintenance or repairs.
[Rule 204]

7. Any breakdown or malfunction of the landfill gas condensate/leachate storage system shall be reported to South Coast AQMD within one hour after occurrence, or within one hour of the time personnel knew or reasonably should have known of its occurrence, per Rule 430 requirements, and remedial measures shall be undertaken to correct the problem and prevent further emissions into the atmosphere in a timely manner.
[Rule 430]

8. The operator shall keep and maintain adequate records for this equipment to verify compliance with the conditions of this permit. These records shall be prepared in a format which is acceptable to the South Coast AQMD. Records shall be kept for at least five years and made available to South Coast AQMD personnel upon request.
[Rule 204]

9. This permit shall expire if construction of this equipment is not complete within one year from the date of issuance of this permit unless an extension is granted by the Executive Officer.
[Rule 204]

ÉSTA ES LA ÚLTIMA PÁGINA DE ESTE DOCUMENTO

Si tiene alguna pregunta, por favor, comuníquese con una de las siguientes personas por e-mail o telefónicamente.

Nombre: Sr. Pete SanJuan
Cargo: Gerente de Proyectos de Clientes
Región: Oeste
Email: PSanjuan@onterris.com
Teléfono: (714) 279-6777

Nombre: Sr. Matt McCune
Cargo: Director
Región: Oeste
Email: MMccune@onterris.com
Teléfono: (714) 279-6777