

MEMORANDUM

Project No. AS180357A

May 8, 2026

To: Ceclia Henderson
Washington State Department of Ecology
Northwest Regional Office
15700 Dayton Avenue North
Shoreline, WA 98133

cc: Ryan Megenity
Rainer Property Management Co., LLC
12199 Village Center Pl, Suite 201
Mukilteo, WA 98275

Eric Hetrick
Chevron Environmental Management Company
5001 Executive Parkway, Suite 200
Sam Ramon, CA 94583

From:



Eric Marhofer, PE
Principal Engineer
eric.marhofer@geosyntec.com



Daniel Babcock, LG
Project Geologist
daniel.babcock@geosyntec.com

Re: **Vapor Assessment Results**
Texaco Strickland Cleanup Site
6808 196th Street SW
Lynnwood, Washington 98036

Aspect Consulting, a Geosyntec Company, (Aspect) has prepared this memorandum to document the results of vapor assessment activities completed in January 2026 for the Texaco Strickland site (Site) located at 6808 196th Street SW in Lynnwood, Washington (Property). The scope of work for this investigation was described in the previous Vapor Intrusion Assessment Work Plan (Aspect, 2025). That work plan was approved by the Washington State Department of Ecology (Ecology) on December 4, 2026 via email.

The purpose of the vapor assessment was to evaluate the potential for vapor intrusion from the residual gasoline-impacted soil located in the 196th Street SW right-of-way along the northern Property boundary. Based on the results of soil gas sampling, the subsurface vapor concentrations were below unrestricted screening levels for the chemicals of concern at the Site, as described in the following sections.

Background

In 2022, an interim cleanup action was performed at the Site, resulting in the excavation and off-site disposal of soil contamination exceeding Model Toxics Control Act (MTCA) Method A cleanup levels to the extent practicable (Interim Action; Aspect, 2023). A limited amount of soil contamination exceeding Method A cleanup levels was left in place in the public right-of-way along the northern Property boundary. The remaining soil impacts are in the unsaturated zone above the groundwater table. In September 2025, Ecology requested that soil gas be evaluated along the northern Property boundary in the vicinity of the residual soil impacts located in the 196th Street SW right-of-way to confirm that the vapor exposure pathway on the Property is incomplete.

Vapor Assessment Activities and Results

The scope of work for the vapor assessment included the following:

- Installation and sampling of two permanent soil gas probes (see locations on Figure 1).
- Laboratory analysis of soil gas samples by U.S. Environmental Protection Agency (EPA) Method TO-15 for the following petroleum-related volatile organic compounds (VOCs) and petroleum-equivalent carbon (EC) fractions:
 - Benzene, toluene, ethylbenzene, and total xylenes, and naphthalene (BTEXN)
 - EC5-8 (aliphatics), EC9-12 (aliphatics), and EC9-10 (aromatics) using the Massachusetts Department of Environmental Protection (MDEP) method for air-phase petroleum hydrocarbons
- Comparison of soil gas sampling results to MTCA Method B screening levels for unrestricted and commercial use.

Soil Gas Probe Installation and Sampling

Prior to drilling and installation of the soil gas probes, drilling locations were cleared for underground utilities by conducting a public one-call and private utility locate.

Following utility clearance, two permanent soil gas probes were installed using direct-push methods to 5 feet below ground surface (bgs). The soil gas probes were constructed using 0.25-inch-diameter fluoropolymer tubing connected to a 6-inch-long stainless-steel mesh vapor screen. A 10/12 silica sand filter pack was placed from the bottom of the borings to 6 inches above the top of the vapor screens, with an annular seal of bentonite placed above the filter packs to within 1.5 feet bgs. The probes were finished with concrete surface seals and flush-mounted monuments above the bentonite seal. As-built construction diagrams for the probes are provided in Appendix A.

Following installation, the soil gas probes were allowed to equilibrate for at least 2 hours. Barometric pressure was noted and differential pressure at the probe was measured with a micromanometer and recorded. The barometric pressure was under falling conditions during the sampling event.

After connecting the Summa canister to the sampling point, a shut-in test was performed by inducing a vacuum on the sampling train, including dedicated disposal fluoropolymer tubing,

fittings, and connections to the Summa canister. A vacuum of 15 inches of mercury was applied for 5 minutes. No change in vacuum was observed during the shut-in test, indicating the sampling train was free of leaks that could introduce ambient air to the soil gas sample.

Soil gas samples were collected using laboratory-supplied and individually certified evacuated 1-Liter Summa canisters fitted with 150 milliliters per minute (mL/min) flow regulators connected to the soil gas probe with dedicated tubing and fittings. After confirming there was no significant leakage in the sampling train, the soil gas probe and sampling train were purged to evacuate five tubing volumes (including both the subsurface probe tubing and aboveground tubing) at a rate of up to 150 mL/min.

Following purging, the Summa canister was opened and allowed to fill at 150 mL/min until the canister vacuum reached -5 inches of mercury. At the conclusion of sampling, the Summa canister was closed, disconnected, and transferred under appropriate chain-of-custody documentation to the laboratory, Friedman and Bruya, Inc., in Seattle, Washington. Samples were submitted for analysis of BTEXN by EPA Method TO-15 and Air-phase petroleum hydrocarbons by the MDEP Method.

Analytical Vapor Results and Evaluation

There were no detections of BTEXN or total petroleum hydrocarbons (TPH) above unrestricted MTCA Method B screening levels for soil gas. The analytical results from the soil gas samples are summarized in Table 1 as compared to screening levels. For reference, and in accordance with Ecology's guidance for evaluating vapor intrusion (Ecology, 2022), the sample with the highest TPH concentration was used to calculate a site-specific TPH screening level for unrestricted use (see Table 2).

Conclusions

Based on the results of soil gas sampling, there is no risk of vapor intrusion on the Property from residual soil impacts in the right-of-way at the Site. Additionally, in accordance with the Cleanup Action Plan for the Site (Aspect, 2026), institutional controls are no longer considered necessary for protection of the vapor intrusion exposure pathway on the Property.

Strickland Real Estate Holdings
May 8, 2026

MEMORANDUM
Project No. AS180357A

References

Aspect Consulting, LLC (Aspect), 2023, Interim Action Report, Texaco Strickland Site. April 26, 2023.

Aspect Consulting, LLC (Aspect), 2025, Vapor Intrusion Assessment Work Plan, Texaco Strickland Cleanup Site. December 1, 2025.

Aspect Consulting, a Geosyntec Company (Aspect), 2026, Cleanup Action Plan, Texaco Strickland Site. January 13, 2026.

Washington State Department of Ecology (Ecology), 2022, Guidance for Evaluating Vapor Intrusion in Washington State: Investigation and Remedial Action, Publication No. 09-09-047. March 2022.

Limitations

Work for this project was performed for the Strickland Real Estate Holdings and Chevron Environmental Management Company (Client), and this memorandum was prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This memorandum does not represent a legal opinion. No other warranty, expressed or implied, is made.

All reports prepared by Aspect for the Client apply only to the services described in the Agreement(s) with the Client. Any use or reuse by any party other than the Client is at the sole risk of that party, and without liability to Aspect. Aspect's original files/reports shall govern in the event of any dispute regarding the content of electronic documents furnished to others.

Attachments: Table 1 – Soil Gas Analytical Results
 Table 2 – Site-Specific TPH Screening Level for Unrestricted Use
 Figure 1 – Soil Gas Sampling Locations
 Appendix A – As-Built Construction Diagrams
 Appendix B – Analytical Laboratory Report

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TABLES

Table 1. Soil Gas Analytical Results

Project No. AS180357A, Texaco Strickland Site, Lynnwood, Washington

Location Date Sample Name			AGP-01 01/14/2026 AGP-01-01142026	AGP-02 01/14/2026 AGP-02-01142026
Analyte	Unit	MTCA Method B Screening Level (Unrestricted) ⁽¹⁾		
Petroleum Hydrocarbon Related Volatile Organic Chemicals				
Benzene	ug/m3	11	3.5	4.8
Toluene	ug/m3	76,000	38 U	110 U
Ethylbenzene	ug/m3	15,000	2.2 U	39
Total Xylenes	ug/m3	1,500	4.3 U	219
Naphthalene	ug/m3	2.5	1.3 U	0.99 UJ
Air-Phase Petroleum Hydrocarbons				
C5 - C8 Aliphatic Hydrocarbons	ug/m3	--	450	10,000
C9 - C12 Aliphatic Hydrocarbons	ug/m3	--	120 U	860
C9 - C10 Aromatic Hydrocarbons	ug/m3	--	120 U	370 U
Total Petroleum Hydrocarbons (ND = 1/2 RL) ²	ug/m3	12,870	596	11,400

Notes:

(1) Model Toxics Control Act (MTCA) Method B Subslab Soil Gas Screening Levels (SLs) for unrestricted use, including a calculated site-specific Total Petroleum Hydrocarbons (TPH) Screening Level per Ecology's Guidance for Evaluating Vapor Intrusion in Washington State (Ecology, 2022).

(2) Total petroleum hydrocarbon (TPH) result is the sum total of volatile organic chemicals and aliphatic and aromatic hydrocarbons; one-half of the laboratory reporting limit was used for non-detects.

Definitions:

Bold - analyte was detected above laboratory reporting limits

Blue Shaded - Detected result exceeded generic MTCA Method B subslab soil gas screening level

U - Analyte not detected at or above Reporting Limit (RL) shown

UJ - Analyte not detected and the Reporting Limit (RL) is an estimate

ug/m3 = micrograms per cubic meter

-- = not applicable

Geosyntec Consultants

5/8/2026

V:\180357 Aloha Cafe\Deliverables\VI Assessment Memo\2026\Draft\Tables\Table 1 - Soil Gas Analytical Results

Table 1

Page 1 of 1

Table 2. Site-Specific TPH Screening Level for Unrestricted Use

Project No. AS180357A, Texaco Strickland Site, Lynnwood, Washington

Petroleum Fraction or Compound	Measured Concentration Site Specific Sample ⁽¹⁾ [µg/m ³]	Fraction of Total Concentration (F _i)	Total TPH Non-Cancer Soil Gas Screening Level (SL _i) [µg/m ³]	F _i /SL _i
Benzene	4.8	0.00	460	0.00000
Toluene	55	0.00	76,000	0.00000
Ethylbenzene	39	0.00	15,000	0.00000
Total Xylenes	219	0.02	1,500	0.00001
Naphthalene	0.50	0.00	46	0.00000
APH EC5-8 Aliphatics	10000	0.88	90,000	0.00001
APH EC9-12 Aliphatics	860	0.08	1,500	0.00005
APH EC9-10 Aromatics	185	0.02	6,000	0.00000
Total TPH Concentration	11,400	1.00	12,870	--

Notes:

(1) One-half the laboratory reporting limit was used for non-detect results

APH = air-phase petroleum hydrocarbon

TPH = total petroleum hydrocarbon

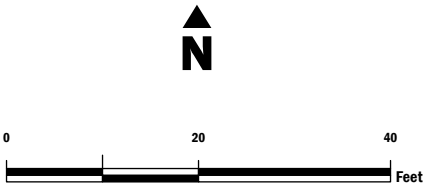
µg/m³ = micrograms per cubic meter

-- = not applicable

FIGURES



- ▲ Proposed Soil Gas Sampling Locations
- ▨ Extents of Soil Exceeding Cleanup Levels
- ▭ Property Boundary
- ⊕ Snohomish County Tax Parcel



Soil Gas Sampling Locations
Vapor Intrusion Assessment
Texaco Strickland Site
6808 196th Street SW
Lynnwood, Washington



May-2026
PROJECT NO.
180357

BY:
DRB / HMD
REVISED BY:
---/---

FIGURE NO.
1

APPENDIX A

As-Built Construction Diagrams

Coarse-Grained Soils - More than 50% ¹ Retained on No. 200 Sieve					
	Sands - 50% ¹ or More of Coarse Fraction Passes No. 4 Sieve	Gravels - More than 50% ¹ of Coarse Fraction Retained on No. 4 Sieve			
		≤5% Fines	≥15% Fines		
Fine-Grained Soils - 50% ¹ or More Passes No. 200 Sieve	Silts and Clays Liquid Limit Less than 50%			GW	Well-graded GRAVEL Well-graded GRAVEL WITH SAND
				GP	Poorly-graded GRAVEL Poorly-graded GRAVEL WITH SAND
				GM	SILTY GRAVEL SILTY GRAVEL WITH SAND
				GC	CLAYEY GRAVEL CLAYEY GRAVEL WITH SAND
				SW	Well-graded SAND Well-graded SAND WITH GRAVEL
	Silts and Clays Liquid Limit 50% or More			SP	Poorly-graded SAND Poorly-graded SAND WITH GRAVEL
				SM	SILTY SAND SILTY SAND WITH GRAVEL
				SC	CLAYEY SAND CLAYEY SAND WITH GRAVEL
Highly Organic Soils				PT	PEAT and other mostly organic soils

"WITH SILT" or "WITH CLAY" means 5 to 15% silt and clay, denoted by a "-" in the group name; e.g., SP-SM • "SILTY" or "CLAYEY" means >15% silt and clay • "WITH SAND" or "WITH GRAVEL" means 15 to 30% sand and gravel. • "SANDY" or "GRAVELLY" means >30% sand and gravel. • "Well-graded" means approximately equal amounts of fine to coarse grain sizes • "Poorly graded" means unequal amounts of grain sizes • Group names separated by "/" means soil contains layers of the two soil types; e.g., SM/ML.

Soils were described and identified in the field in general accordance with the methods described in ASTM D2488. Where indicated in the log, soils were classified using ASTM D2487 or other laboratory tests as appropriate. Refer to the report accompanying these exploration logs for details.

- Estimated or measured percentage by dry weight
- (SPT) Standard Penetration Test (ASTM D1586)
- Determined by SPT, DCPT (ASTM STP399) or other field methods. See report text for details.

GEOTECHNICAL LAB TESTS			
MC	=	Natural Moisture Content	
PS	=	Particle Size Distribution	
FC	=	Fines Content (% < 0.075 mm)	
GH	=	Hydrometer Test	
AL	=	Atterberg Limits	
C	=	Consolidation Test	
Str	=	Strength Test	
OC	=	Organic Content (% Loss by Ignition)	
Comp	=	Proctor Test	
K	=	Hydraulic Conductivity Test	
SG	=	Specific Gravity Test	
CHEMICAL LAB TESTS			
Organic Chemicals			
BTEX	=	Benzene, Toluene, Ethylbenzene, Xylenes	
TPH-Dx	=	Diesel and Oil-Range Petroleum Hydrocarbons	
TPH-G	=	Gasoline-Range Petroleum Hydrocarbons	
VOCs	=	Volatile Organic Compounds	
SVOCs	=	Semi-Volatile Organic Compounds	
PAHs	=	Polycyclic Aromatic Hydrocarbon Compounds	
PCBs	=	Polychlorinated Biphenyls	
Metals			
RCRA8	=	As, Ba, Cd, Cr, Pb, Hg, Se, Ag, (d = dissolved, t = total)	
MTCA5	=	As, Cd, Cr, Hg, Pb (d = dissolved, t = total)	
PP-13	=	Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn (d=dissolved, t=total)	
FIELD TESTS			
PID	=	Photoionization Detector	
Sheen	=	Oil Sheen Test	
SPT ²	=	Standard Penetration Test	
NSPT	=	Non-Standard Penetration Test	
DCPT	=	Dynamic Cone Penetration Test	
COMPONENT DEFINITIONS			
Descriptive Term	Size Range and Sieve Number		
Boulders	=	Larger than 12 inches	
Cobbles	=	3 inches to 12 inches	
Coarse Gravel	=	3 inches to 3/4 inches	
Fine Gravel	=	3/4 inches to No. 4 (4.75 mm)	
Coarse Sand	=	No. 4 (4.75 mm) to No. 10 (2.00 mm)	
Medium Sand	=	No. 10 (2.00 mm) to No. 40 (0.425 mm)	
Fine Sand	=	No. 40 (0.425 mm) to No. 200 (0.075 mm)	
Silt and Clay	=	Smaller than No. 200 (0.075 mm)	
% by Weight	Modifier	% by Weight	Modifier
<1	=	Subtrace	15 to 25 = Little
1 to <5	=	Trace	30 to 45 = Some
5 to 10	=	Few	>50 = Mostly
ESTIMATED ¹ PERCENTAGE			
MOISTURE CONTENT			
Dry	=	Absence of moisture, dusty, dry to the touch	
Slightly Moist	=	Perceptible moisture	
Moist	=	Damp but no visible water	
Very Moist	=	Water visible but not free draining	
Wet	=	Visible free water, usually from below water table	
RELATIVE DENSITY			
Non-Cohesive or Coarse-Grained Soils	Density ³	SPT ² Blows/Foot	Penetration with 1/2" Diameter Rod
Very Loose	=	0 to 4	≥ 2'
Loose	=	5 to 10	1' to 2'
Medium Dense	=	11 to 30	3" to 1'
Dense	=	31 to 50	1" to 3"
Very Dense	=	> 50	< 1"
CONSISTENCY			
Cohesive or Fine-Grained Soils	Consistency ³	SPT ² Blows/Foot	Manual Test
Very Soft	=	0 to 1	Penetrated >1" easily by thumb. Extrudes between thumb & fingers.
Soft	=	2 to 4	Penetrated 1/4" to 1" easily by thumb. Easily molded.
Medium Stiff	=	5 to 8	Penetrated >1/4" with effort by thumb. Molded with strong pressure.
Stiff	=	9 to 15	Indented ~1/4" with effort by thumb.
Very Stiff	=	16 to 30	Indented easily by thumbnail.
Hard	=	> 30	Indented with difficulty by thumbnail.
GEOLOGIC CONTACTS			
Observed and Distinct	Observed and Gradual	Inferred	
 Exploration Log Key			



Aloha Cafe Texaco Strickland - AS180357

Environmental Exploration Log

Project Address & Site Specific Location
6808 196th Street Southwest, Lynnwood, Washington 98036, See Figure 1

Coordinates

NA

Exploration Number

AGP-01

Contractor

Holt Services, Inc.

Equipment

Direct push rig

Sampling Method

Percussion hammer

Ground Surface Elev.

446' (est)

Ecology Well Tag No.
BRJ213

Operator

Joe Grady-Green

Exploration Method(s)

Direct push

Work Start/Completion Dates

1/14/2026

Top of Casing Elev.

NA

Depth to Water (Below GS)

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
1	445	5-inch-diameter flush-mounted monument. Ball valve cap. Surface sealed with 3/8-inch hydrated bentonite chips. Teflon casing sealed with concrete, joints connected by barbs.					FILL GRAVEL WITH SILT AND SAND (GP-GM); brown.	1
2	444							2
3	443							3
4	442	10/20 silica sand filter pack.						4
5	441	Stainless steel perforated screen.					Bottom of exploration at 5 ft. bgs.	5

Legend

Sample Type

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: FCE
Approved by: DRB 3/24/2026

Exploration Log
AGP-01

Sheet 1 of 1

Aloha Cafe Texaco Strickland - AS180357

Environmental Exploration Log

Project Address & Site Specific Location
6808 196th Street Southwest, Lynnwood, Washington 98036, See Figure 1

Coordinates

NA

Exploration Number

AGP-02

Contractor

Holt Services, Inc.

Equipment

Direct push rig

Sampling Method

Percussion hammer

Ground Surface Elev.

446' (est)

Ecology Well Tag No.
BRJ214

Operator

Joe Grady-Green

Exploration Method(s)

Direct push

Work Start/Completion Dates

1/14/2026

Top of Casing Elev.

NA

Depth to Water (Below GS)

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		5-inch-diameter flush-mounted monument.					FILL GRAVEL WITH SILT AND SAND (GP-GM); brown.	
		Ball valve cap.						
1	445	Surface sealed with 3/8-inch hydrated bentonite chips.						1
		Teflon casing sealed with concrete, joints connected by barbs.						
2	444							2
3	443							3
4	442	10/20 silica sand filter pack.						4
		Stainless steel perforated screen.						
5	441						Bottom of exploration at 5 ft. bgs.	5

Legend

Sample Type

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: FCE
Approved by: DRB 3/24/2026

Exploration Log
AGP-02

Sheet 1 of 1

APPENDIX B

Laboratory Report

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Elizabeth Webber-Bruya
Ann Webber-Bruya
Michael Erdahl
Vineta Mills
Eric Young

5500 4th Ave South
Seattle, WA 98108-2419
(206) 285-8282
office@friedmanandbruya.com
www.friedmanandbruya.com

January 28, 2026

Daniel Babcock, Project Manager
Geosyntec Consultants
801 5th Ave, Suite 2200
Seattle, WA 98104

Dear Mr Babcock:

Included are the results from the testing of material submitted on January 14, 2026 from the Texaco Strickland AS180357, F&BI 601169 project. There are 10 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Aspect Data, Favour Epuna
GSY0128R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 14, 2026 by Friedman & Bruya, Inc. from the Geosyntec Consultants Texaco Strickland AS180357, F&BI 601169 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Geosyntec Consultants</u>
601169 -01	AGP-01-01142026
601169 -02	AGP-02-01142026

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	AGP-01-01142026	Client:	Geosyntec Consultants
Date Received:	01/14/26	Project:	Texaco Strickland AS180357
Date Collected:	01/14/26	Lab ID:	601169-01 1/5.0
Date Analyzed:	01/21/26	Data File:	012027.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	98	70	130

	Concentration
Compounds:	ug/m3

APH EC5-8 aliphatics	450
APH EC9-12 aliphatics	<120
APH EC9-10 aromatics	<120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	AGP-02-01142026	Client:	Geosyntec Consultants
Date Received:	01/14/26	Project:	Texaco Strickland AS180357
Date Collected:	01/14/26	Lab ID:	601169-02 1/15
Date Analyzed:	01/21/26	Data File:	012028.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	99	70	130

	Concentration
Compounds:	ug/m3

APH EC5-8 aliphatics	10,000
APH EC9-12 aliphatics	860
APH EC9-10 aromatics	<370

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	Method Blank	Client:	Geosyntec Consultants
Date Received:	Not Applicable	Project:	Texaco Strickland AS180357
Date Collected:	Not Applicable	Lab ID:	06-8028 mb
Date Analyzed:	01/20/26	Data File:	012012.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	99	70	130

	Concentration
Compounds:	ug/m3

APH EC5-8 aliphatics	<75
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	AGP-01-01142026	Client:	Geosyntec Consultants
Date Received:	01/14/26	Project:	Texaco Strickland AS180357
Date Collected:	01/14/26	Lab ID:	601169-01 1/5.0
Date Analyzed:	01/21/26	Data File:	012027.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	98	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	3.5	1.1
Toluene	<38	<10
Ethylbenzene	<2.2	<0.5
m,p-Xylene	<4.3	<1
o-Xylene	<2.2	<0.5
Naphthalene	<1.3	<0.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	AGP-02-01142026	Client:	Geosyntec Consultants
Date Received:	01/14/26	Project:	Texaco Strickland AS180357
Date Collected:	01/14/26	Lab ID:	601169-02 1/15
Date Analyzed:	01/21/26	Data File:	012028.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	99	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	4.8	1.5
Toluene	<110	<30
Ethylbenzene	39	8.9
m,p-Xylene	160	38
o-Xylene	59	14
Naphthalene	<0.99 j	<0.2 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Geosyntec Consultants
Date Received:	Not Applicable	Project:	Texaco Strickland AS180357
Date Collected:	Not Applicable	Lab ID:	06-8028 mb
Date Analyzed:	01/20/26	Data File:	012012.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	99	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Benzene	<0.16	<0.05
Toluene	<7.5	<2
Ethylbenzene	<0.43	<0.1
m,p-Xylene	<0.87	<0.2
o-Xylene	<0.43	<0.1
Naphthalene	<0.066 j	<0.013 j

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/28/26

Date Received: 01/14/26

Project: Texaco Strickland AS180357, F&BI 601169

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD MA-APH**

Laboratory Code: 601174-03 1/5.2 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
APH EC5-8 aliphatics	ug/m3	520	520	0
APH EC9-12 aliphatics	ug/m3	<130	<130	nm
APH EC9-10 aromatics	ug/m3	<130	<130	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
APH EC5-8 aliphatics	ug/m3	67	87	70-130
APH EC9-12 aliphatics	ug/m3	67	95	70-130
APH EC9-10 aromatics	ug/m3	67	105	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/28/26

Date Received: 01/14/26

Project: Texaco Strickland AS180357, F&BI 601169

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: 601174-03 1/5.2 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 25)
Benzene	ug/m3	2.5	2.4	4
Toluene	ug/m3	<39	<39	nm
Ethylbenzene	ug/m3	<2.3	<2.3	nm
m,p-Xylene	ug/m3	<4.5	<4.5	nm
o-Xylene	ug/m3	<2.3	<2.3	nm
Naphthalene	ug/m3	<1.4	<1.4	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	ug/m3	43	105	70-130
Toluene	ug/m3	51	113	70-130
Ethylbenzene	ug/m3	59	109	70-130
m,p-Xylene	ug/m3	120	109	70-130
o-Xylene	ug/m3	59	111	70-130
Naphthalene	ug/m3	71	94	70-130

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Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported between the method detection limit and the lowest calibration point. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k - The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

01/14/26

Page # _____ of _____
TURNAROUND TIME
☒ Standard
☐ RUSH _____
 Rush charges authorized by: _____

SAMPLE DISPOSAL
 Default: Clean following
 final report delivery
 Hold (Fee may apply): _____

ANALYSIS REQUESTED

[illegible]

FORMS\COC\COCTO-15.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Favour Egun	Aspect Computer	1/14/25	1529
Received by:	Michael Edell	Ft Dn	1/14/23	1529
Relinquished by:				
Received by:				

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 601169 CLIENT Aspect/GeoSyntec INITIALS/ AP
DATE: 01/14/26

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 20 °C
Thermometer ID: Fluke 96312917

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?
☒ Over the Counter ☐ Picked up by F&BI ☐ FedEx/UPS/GSO

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO Initials/ AP
*or other representative documents, letters, and/or shipping memos Date: 01/14/26

Number of days samples have been sitting prior to receipt at laboratory 0 days

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Is the following information provided on the COC, and does it match the sample label?
(explain "no" answer below)

Sample ID's	☒ Yes ☐ No	☐ Not on COC/label
Date Sampled	☒ Yes ☐ No	☐ Not on COC/label
Time Sampled	☒ Yes ☐ No	☐ Not on COC/label
# of Containers	☒ Yes ☐ No	
Relinquished	☒ Yes ☐ No	
Requested analysis	☒ Yes ☐ On Hold	

Other comments (use a separate page if needed)

Air Samples: Were any additional canisters/tubes received? ☐ NA ☐ YES ☒ NO

Number of unused TO15 canisters** Number of unused TO17 tubes

**Fill out Green manifolds billing sheet