



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Apex Companies, LLC.

Project Name: Emerson Vapor Intrusion REG006-0309010-25011690

Project # N/A

Order ID # Q3038

Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:

1 Air sample was received on 09/05/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_L were done using GC column RTX-1, which is 60 meters, 0.32 mm id, 1.0 um df, Restek Cat. #10157. The Trap was supplied by Entech, glass bead and Tenax , Entech 7100A Preconcentrator. The analysis of VOCMS Group2 was based on method TO-15.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Due to potential high concentration of target analytes, Sample SV-1 was initially diluted.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

The not QT review data is reported in the Miscellaneous.

The Manual Integrations are performed for the followings:

Manual Integration Report			
Sequence	VL081325	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
-----------	---------	-----------	-----------	-----------	---------------	---------------	--------

VSTDICCC010	VL042842.D	m/p-Xylene	SAM	8/14/2025 7:48:06 AM	MMDadoda	8/18/2025 8:42:07 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042843.D	1,1,2-Trichloroethane	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042843.D	1,4-Dioxane	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042843.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042843.D	Ethanol	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042843.D	m/p-Xylene	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042843.D	Methyl Methacrylate	SAM	8/14/2025 7:48:12 AM	MMDadoda	8/18/2025 8:42:11 AM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042844.D	1,2-Dichloropropane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042844.D	1,4-Dioxane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042844.D	2,2,4-Trimethylpentane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042844.D	Ethanol	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly

VSTDICC001	VL042844.D	Heptane	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	m/p-Xylene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	Methyl Methacrylate	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	t-1,3- Dichloropropene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC001	VL042844.D	trans-1,2- Dichloroethene	SAM	8/14/2025 7:48:18 AM	MMDadoda	8/18/2025 8:42:13 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	1,1,2- Trichloroethane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	1,4-Dioxane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	2,2,4- Trimethylpentane	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	4-Methyl-2- Pentanone	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	cis-1,3- Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	m/p-Xylene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	Methyl Methacrylate	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	t-1,3- Dichloropropene	SAM	8/14/2025 7:49:25 AM	MMDadoda	8/18/2025 8:42:16 AM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042845.D	Toluene	SAM	8/14/2025 7:49:25	MMDadoda	8/18/2025 8:42:16	Peak Integrated

				AM		AM	by Software incorrectly
VSTDICC0.1	VL042846.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	1,2-Dibromoethane	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	Naphthalene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	Tetrachloroethene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042846.D	Trichloroethene	SAM	8/14/2025 7:48:23 AM	MMDadoda	8/18/2025 8:42:18 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	1,1,1-Trichloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	1,1,2,2-Tetrachloroethane	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	Carbon Tetrachloride	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	Tetrachloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042847.D	Trichloroethene	SAM	8/14/2025 7:49:29 AM	MMDadoda	8/18/2025 8:42:20 AM	Peak Integrated by Software incorrectly
VSTDICC015	VL042848.D	m/p-Xylene	SAM	8/14/2025 7:49:35 AM	MMDadoda	8/18/2025 8:42:35 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL042849.D	cis-1,3-Dichloropropene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL042849.D	m/p-Xylene	SAM	8/14/2025 7:48:28 AM	MMDadoda	8/18/2025 8:42:37 AM	Peak Integrated by Software incorrectly

Sequence	VL090825	Instrument	MSVOA_I
----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042900.D	m/p-Xylene	sam	9/9/2025 12:26:34 PM	MMDadoda	9/11/2025 5:28:20 PM	Peak Integrated by Software incorrectly
VL0908ABS01	VL042902.D	m/p-Xylene	sam	9/9/2025 12:26:38 PM	MMDadoda	9/11/2025 5:24:29 PM	Peak Integrated by Software incorrectly
VL0908ABS01	VL042902.D	Propene	sam	9/9/2025 12:26:38 PM	MMDadoda	9/11/2025 5:24:29 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	Benzene	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	m/p-Xylene	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	Methyl Methacrylate	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	n-propylbenzene	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	Propene	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly

Q3037-01DUP	VL042905.D	Tetrahydrofuran	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	Toluene	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	Trichlorofluoromethane	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3037-01DUP	VL042905.D	Vinyl Acetate	sam	9/9/2025 12:31:10 PM	MMDadoda	9/11/2025 5:28:16 PM	Peak Integrated by Software incorrectly
Q3038-01	VL042906.D	Trichloroethene	sam	9/9/2025 12:31:51 PM	MMDadoda	9/11/2025 5:25:29 PM	Peak Integrated by Software incorrectly

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____