

CASE NARRATIVE

Environmental Management Services

Project Name: 36-12 37th St. Queens, NY

Project # N/A

Chemtech Project # Q1532

Test Name: TO-15

A. Number of Samples and Date of Receipt:

4 Air samples were received on 03/07/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:
TO-15. This data package contains results for TO-15.

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 TO-15 was based on method TO-15.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD for {Q1532-01DUP} with File ID: VL042122.D met criteria except for 1,2,4-Trimethylbenzene[200%] due to difference in results of original and DUP.

The Blank Spike met requirements for all samples.

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.

E. Additional Comments:

The Sample #2,3 and 4 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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	VL022525	Instrument			MSVOA_I		
Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042041.D	m/p-Xylene	MMDadoda	3/6/2025 1:12:13 AM	SAM	3/6/2025 1:24:10 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042042.D	m/p-Xylene	SAM	2/26/2025 7:41:55 AM	MMDadoda	2/26/2025 1:45:07 PM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042043.D	1,1,2-Trichloroethane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042043.D	1,4-Dioxane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042043.D	4-Methyl-2-Pentanone	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042043.D	Benzyl Chloride	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042043.D	cis-1,3-Dichloropropane	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICCC001	VL042043.D	Ethanol	SAM	2/26/2025	MMDadoda	2/26/2025	Peak

	D			5 7:42:26 AM		1:45:09 PM	Integrate d by Software incorrectl y
VSTDICC001	VL042043. D	Heptane	SAM	2/26/202 5 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL042043. D	m/p-Xylene	SAM	2/26/202 5 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrate d by Software incorrectl y
VSTDICC001	VL042043. D	t-1,3- Dichloropropene	SAM	2/26/202 5 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrate d by Software incorrectl y

VSTDICC001	VL042043. D	trans-1,2- Dichloroethene	SAM	2/26/202 5 7:42:26 AM	MMDadoda	2/26/202 5 1:45:09 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044. D	1,1,2-Trichloroethane	SAM	2/26/202 5 7:42:02 AM	MMDadoda	2/26/202 5 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044. D	1,2-Dibromoethane	SAM	2/26/202 5 7:42:02 AM	MMDadoda	2/26/202 5 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044. D	1,2-Dichloropropane	SAM	2/26/202 5 7:42:02 AM	MMDadoda	2/26/202 5 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044. D	1,4-Dioxane	SAM	2/26/202 5 7:42:02 AM	MMDadoda	2/26/202 5 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044.	2-Hexanone	SA	2/26/202	MMDadoda	2/26/202	Peak

	D		M	5 7:42:02 AM	a	5 1:45:11 PM	Integrate d by Software incorrectl y
VSTDICC0.5	VL042044.D	4-Methyl-2-Pentanone	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044.D	cis-1,3-Dichloropropene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044.D	Dibromochloromethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044.D	m/p-Xylene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044.D	t-1,3-Dichloropropene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrate d by Software incorrectl y
VSTDICC0.5	VL042044.D	trans-1,2-Dichloroethene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrate d by Software incorrectl y

VSTDICC0.1	VL042045.D	1,1,2,2-Tetrachloroethane	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042045.D	1,2-Dibromoethane	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042045.D	Carbon Tetrachloride	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software

							incorrectly
VSTDICC0.1	VL042045.D	Tetrachloroethene	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042045.D	Trichloroethene	SAM	2/26/2025 7:42:22 AM	MMDadoda	2/26/2025 1:45:12 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	1,1,1- Trichloroethane	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	1,1,2,2- Tetrachloroethane	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	Carbon Tetrachloride	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	Tetrachloroethene	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042046.D	Trichloroethene	SAM	2/26/2025 7:43:48 AM	MMDadoda	2/26/2025 1:45:14 PM	Peak Integrated by Software incorrectly
VSTDICC015	VL042047.D	m/p-Xylene	SAM	2/26/2025 7:42:16 AM	MMDadoda	2/26/2025 1:45:16 PM	Peak Integrated by Software incorrectly
VSTDICV010	VL042048.D	m/p-Xylene	SAM	2/26/2025 7:42:09 AM	MMDadoda	2/26/2025 1:45:17 PM	Peak Integrated by Software incorrectly

Manual Integration Report			
Sequence	VL031025	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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VSTDCCC010	VL042115.D	1,1,2-Trichloroethane	SAM	3/11/2025 9:46:49 AM	MMDadoda	3/11/2025 5:06:19 PM	Peak Integrated by Software incorrectly
VSTDCCC010	VL042115.D	m/p-Xylene	SAM	3/11/2025 9:46:49 AM	MMDadoda	3/11/2025 5:06:19 PM	Peak Integrated by Software incorrectly
VL0310ABS01	VL042117.D	m/p-Xylene	SAM	3/11/2025 9:46:58 AM	MMDadoda	3/11/2025 5:06:24 PM	Peak Integrated by Software incorrectly
Q1532-01	VL042121.D	Benzene	SAM	3/11/2025 9:47:04 AM	MMDadoda	3/11/2025 5:06:26 PM	Peak Integrated by Software incorrectly
Q1532-01	VL042121.D	Carbon Tetrachloride	SAM	3/11/2025 9:47:04 AM	MMDadoda	3/11/2025 5:06:26 PM	Peak Integrated by Software incorrectly
Q1532-01	VL042121.D	Chlorodifluoromethane	SAM	3/11/2025 9:47:04 AM	MMDadoda	3/11/2025 5:06:26 PM	Peak Integrated by Software incorrectly
Q1532-01	VL042121.D	m/p-Xylene	SAM	3/11/2025 9:47:04 AM	MMDadoda	3/11/2025 5:06:26 PM	Peak Integrated by Software incorrectly
Q1532-01	VL042121.D	Propene	SAM	3/11/2025 9:47:04 AM	MMDadoda	3/11/2025 5:06:26 PM	Peak Integrated by Software incorrectly
Q1532-01	VL042121.D	Tetrachloroethene	SAM	3/11/2025 9:47:04 AM	MMDadoda	3/11/2025 5:06:26 PM	Peak Integrated by Software

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Q1532-01	VL042121.D	Toluene	SAM	3/11/2025 9:47:04 AM	MMDadoda	3/11/2025 5:06:26 PM	Peak Integrated by Software incorrectly
Q1532-01DUP	VL042122.D	Carbon Tetrachloride	SAM	3/11/2025 9:50:47 AM	MMDadoda	3/11/2025 5:06:27 PM	Peak Integrated by Software incorrectly

Q1532-01DUP	VL042122.D	Chlorodifluoromethane	SAM	3/11/2025 9:50:47 AM	MMDadoda	3/11/2025 5:06:27 PM	Peak Integrated by Software incorrectly
Q1532-01DUP	VL042122.D	m/p-Xylene	SAM	3/11/2025 9:50:47 AM	MMDadoda	3/11/2025 5:06:27 PM	Peak Integrated by Software incorrectly
Q1532-01DUP	VL042122.D	Propene	SAM	3/11/2025 9:50:47 AM	MMDadoda	3/11/2025 5:06:27 PM	Peak Integrated by Software incorrectly
Q1532-01DUP	VL042122.D	Tetrachloroethene	SAM	3/11/2025 9:50:47 AM	MMDadoda	3/11/2025 5:06:27 PM	Peak Integrated by Software incorrectly
Q1532-01DUP	VL042122.D	Toluene	SAM	3/11/2025 9:50:47 AM	MMDadoda	3/11/2025 5:06:27 PM	Peak Integrated by Software incorrectly
Q1532-02	VL042123.D	Carbon Tetrachloride	SAM	3/11/2025 9:50:52 AM	MMDadoda	3/11/2025 5:06:28 PM	Peak Integrated by Software incorrectly
Q1532-02	VL042123.D	Chlorodifluoromethane	SAM	3/11/2025 9:50:52 AM	MMDadoda	3/11/2025 5:06:28 PM	Peak Integrated by Software incorrectly
Q1532-02	VL042123.D	tert-Butyl alcohol	SAM	3/11/2025 9:50:52 AM	MMDadoda	3/11/2025 5:06:28 PM	Peak Integrated by Software incorrectly
Q1532-02	VL042123.D	Tetrachloroethene	SAM	3/11/2025 9:50:52 AM	MMDadoda	3/11/2025 5:06:28 PM	Peak Integrated by Software incorrectly
Q1532-02	VL042123.D	Toluene	SAM	3/11/2025 9:50:52 AM	MMDadoda	3/11/2025 5:06:28 PM	Peak Integrated by Software

							incorrectly
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Q1532-03	VL042125.D	Carbon Tetrachloride	SAM	3/11/2025 9:47:10 AM	MMDadoda	3/11/2025 5:06:33 PM	Peak Integrated by Software incorrectly
Q1532-03	VL042125.D	Chlorodifluoromethane	SAM	3/11/2025 9:47:10 AM	MMDadoda	3/11/2025 5:06:33 PM	Peak Integrated by Software incorrectly
Q1532-03	VL042125.D	Propene	SAM	3/11/2025 9:47:10 AM	MMDadoda	3/11/2025 5:06:33 PM	Peak Integrated by Software incorrectly
Q1532-03	VL042125.D	tert-Butyl alcohol	SAM	3/11/2025 9:47:10 AM	MMDadoda	3/11/2025 5:06:33 PM	Peak Integrated by Software incorrectly
Q1532-03	VL042125.D	Tetrachloroethene	SAM	3/11/2025 9:47:10 AM	MMDadoda	3/11/2025 5:06:33 PM	Peak Integrated by Software incorrectly
Q1532-04	VL042127.D	Carbon Tetrachloride	SAM	3/11/2025 9:51:05 AM	MMDadoda	3/11/2025 5:06:35 PM	Peak Integrated by Software incorrectly
Q1532-04	VL042127.D	Chlorodifluoromethane	SAM	3/11/2025 9:51:05 AM	MMDadoda	3/11/2025 5:06:35 PM	Peak Integrated by Software incorrectly
Q1532-04	VL042127.D	Hexane	SAM	3/11/2025 9:51:05 AM	MMDadoda	3/11/2025 5:06:35 PM	Peak Integrated by Software incorrectly
Q1532-04	VL042127.D	m/p-Xylene	SAM	3/11/2025 9:51:05 AM	MMDadoda	3/11/2025 5:06:35 PM	Peak Integrated by Software incorrectly
Q1532-04	VL042127.D	Propene	SAM	3/11/2025 9:51:05 AM	MMDadoda	3/11/2025 5:06:35 PM	Peak Integrated by Software incorrectly
Q1532-04	VL042127.D	Tetrachloroethene	SAM	3/11/2025 9:51:05 AM	MMDadoda	3/11/2025 5:06:35 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.



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Phone: 908 789 8900 Fax: 908 789 8922

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_____