



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

CASE NARRATIVE

RTP Environmental

Project Name: CHADWICK SQUARE

Project # N/A

Order ID # Q3132

Test Name: TO-15

A. Number of Samples and Date of Receipt:

2 Air samples were received on 09/17/2025.

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 were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD for {Q3130-02DUP} with File ID: VL042970.D met criteria except for 1,2-Dichloroethane[30.8%], Tetrachloroethene[200%] due to difference in results of original and DUP.

The Blank Spike met requirements for all compounds.

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

The %RSD is greater than 30% in the Initial Calibration method (VL092225AIR.M) for Methylene Chloride passing on Linear Regression.

The Tuning criteria met requirements.

Sample 151-1A-1 was diluted due to high concentration.

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.

Alliance Technical Group, LLC - Newark holds certification for the analytes " Bromodichloromethane, Chloroethane and Heptane". Currently, we are not eligible to report them, as we have not successfully completed the required Proficiency Testing (PT) study. We are actively engaged in the PT study process to gain reporting eligibility.

The Sample #151-1A-1 and 151-1A-1DL have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The Manual Integrations are performed for the followings.

Manual Integration Report			
Sequence	VL092225	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042950.D	m/p-Xylene	sam	9/23/2025 10:01:03 AM	MMDadoda	9/24/2025 2:16:17 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042951.D	1,1,2-Trichloroethane	sam	9/23/2025 10:01:08 AM	MMDadoda	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042951.D	1,2-Dichloropropane	sam	9/23/2025 10:01:08 AM	MMDadoda	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042951.D	1,4-Dioxane	sam	9/23/2025 10:01:08 AM	MMDadoda	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly

							tly
VSTDICCO02	VL042951.D	4-Methyl-2-Pentanone	sam	9/23/2025 10:01:08 AM	MMDadoda	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly
VSTDICCO02	VL042951.D	m/p-Xylene	sam	9/23/2025 10:01:08 AM	MMDadoda	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	1,2-Dichloropropane	sam	9/23/2025 10:01:13 AM	MMDadoda	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	1,4-Dioxane	sam	9/23/2025 10:01:13 AM	MMDadoda	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	Bromodichloromethane	sam	9/23/2025 10:01:13 AM	MMDadoda	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	cis-1,3-Dichloropropene	sam	9/23/2025 10:01:13 AM	MMDadoda	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	Heptane	sam	9/23/2025 10:01:13 AM	MMDadoda	9/24/2025 2:16:21 AM	Peak Integrated by Software

							incorrectly
VSTDICCO01	VL042952.D	m/p-Xylene	sam	9/23/2025 10:01:13 AM	MMDadoda	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	t-1,3-Dichloropropene	sam	9/23/2025 10:01:13 AM	MMDadoda	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL042953.D	1,1,2-Trichloroethane	sam	9/23/2025 10:02:11 AM	MMDadoda	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL042953.D	1,4-Dioxane	sam	9/23/2025 10:02:11 AM	MMDadoda	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL042953.D	2,2,4-Trimethylpentane	sam	9/23/2025 10:02:11 AM	MMDadoda	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL042953.D	Benzyl Chloride	sam	9/23/2025 10:02:11 AM	MMDadoda	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL042953.D	cis-1,3-Dichloropropene	sam	9/23/2025 10:02:11 AM	MMDadoda	9/24/2025 2:16:23 AM	Peak Integrated by Software

							e in cor rec tly
VSTDICCO .5	VL04295 3.D	Ethanol	sam	9/23/20 25 10:02:1 1 AM	MMDad oda	9/24/20 25 2:16:23 AM	Peak Integra ted by Softwar e in cor rec tly
VSTDICCO .5	VL04295 3.D	Heptane	sam	9/23/20 25 10:02:1 1 AM	MMDad oda	9/24/20 25 2:16:23 AM	Peak Integra ted by Softwar e in cor rec tly
VSTDICCO .5	VL04295 3.D	m/p-Xylene	sam	9/23/20 25 10:02:1 1 AM	MMDad oda	9/24/20 25 2:16:23 AM	Peak Integra ted by Softwar e in cor rec tly
VSTDICCO .5	VL04295 3.D	Methyl Methacrylate	sam	9/23/20 25 10:02:1 1 AM	MMDad oda	9/24/20 25 2:16:23 AM	Peak Integra ted by Softwar e in cor rec tly
VSTDICCO .5	VL04295 3.D	t-1,3- Dichloropropene	sam	9/23/20 25 10:02:1 1 AM	MMDad oda	9/24/20 25 2:16:23 AM	Peak Integra ted by Softwar e in cor rec tly
VSTDICCO .5	VL04295 3.D	Tetrachloroethen e	sam	9/23/20 25 10:02:1 1 AM	MMDad oda	9/24/20 25 2:16:23 AM	Peak Integra ted by Softwar e in cor rec tly
VSTDICCO .5	VL04295 3.D	trans-1,2- Dichloroethene	sam	9/23/20 25 10:02:1	MMDad oda	9/24/20 25 2:16:23	Peak Integra ted by

				1 AM		AM	Software incorrectly
VSTDICCO .1	VL04295 4.D	1,2-Dibromoethane	sam	9/23/20 25 10:02:56 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO .1	VL04295 4.D	Carbon Tetrachloride	sam	9/23/20 25 10:02:56 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO .1	VL04295 4.D	Naphthalene	sam	9/23/20 25 10:02:56 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO .1	VL04295 4.D	Tetrachloroethene	sam	9/23/20 25 10:02:56 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO .1	VL04295 4.D	Trichloroethene	sam	9/23/20 25 10:02:56 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO .03	VL04295 5.D	1,1,1-Trichloroethane	sam	9/23/20 25 10:01:57 AM	MMDad oda	9/24/20 25 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO .03	VL04295 5.D	1,1,2,2-Tetrachloroethane	sam	9/23/20 25	MMDad oda	9/24/20 25	Peak Integrated

		e		10:01:57 AM		2:16:26 AM	ted by Software incorrectly
VSTDICCO.03	VL04295 5.D	Carbon Tetrachloride	sam	9/23/2025 10:01:57 AM	MMDad oda	9/24/2025 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO.03	VL04295 5.D	Tetrachloroethene	sam	9/23/2025 10:01:57 AM	MMDad oda	9/24/2025 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO.03	VL04295 5.D	Trichloroethene	sam	9/23/2025 10:01:57 AM	MMDad oda	9/24/2025 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO.03	VL04295 5.D	Trichloroethene	sam	9/23/2025 10:01:57 AM	MMDad oda	9/24/2025 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO15	VL04295 6.D	m/p-Xylene	sam	9/23/2025 10:01:19 AM	MMDad oda	9/24/2025 2:16:27 AM	Peak Integrated by Software incorrectly
VSTDICV010	VL04295 7.D	m/p-Xylene	sam	9/23/2025 10:01:52 AM	MMDad oda	9/24/2025 2:16:29 AM	Peak Integrated by Software incorrectly
VL0922AB S01	VL04295 9.D	m/p-Xylene	sam	9/23/2025 10:01:29 AM	MMDad oda	9/24/2025 2:16:44 AM	Peak Integrated by Software incorrectly
Q3130-	VL04297	2,2,4-	sam	9/23/20	MMDad	9/24/20	Peak

02DUP	0.D	Trimethylpentane		25 10:03:16 AM	oda	25 2:17:13 AM	Integrated by Software incorrectly
Q3130-02DUP	VL04297 0.D	Carbon Tetrachloride	sam	9/23/20 25 10:03:16 AM	MMDad oda	9/24/20 25 2:17:13 AM	Peak Integrated by Software incorrectly
Q3130-02DUP	VL04297 0.D	m/p-Xylene	sam	9/23/20 25 10:03:16 AM	MMDad oda	9/24/20 25 2:17:13 AM	Peak Integrated by Software incorrectly
Q3130-02DUP	VL04297 0.D	Propene	sam	9/23/20 25 10:03:16 AM	MMDad oda	9/24/20 25 2:17:13 AM	Peak Integrated by Software incorrectly
Q3130-02DUP	VL04297 0.D	Tetrachloroethene	sam	9/23/20 25 10:03:16 AM	MMDad oda	9/24/20 25 2:17:13 AM	Peak Integrated by Software incorrectly
Q3132-01	VL04297 8.D	2,2,4-Trimethylpentane	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integrated by Software incorrectly
Q3132-01	VL04297 8.D	Acetone	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integrated by Software incorrectly

Q3132-01	VL04297 8.D	Carbon Tetrachloride	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01	VL04297 8.D	Chlorodifluorome thane	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01	VL04297 8.D	Cyclohexane	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01	VL04297 8.D	Propene	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01	VL04297 8.D	Styrene	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01	VL04297 8.D	tert-Butyl alcohol	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01	VL04297 8.D	Tetrachloroethen e	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly

Q3132-01	VL04297 8.D	Toluene	MMDad oda	9/24/20 25 2:17:55 AM	SAM	9/24/20 25 2:25:43 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01DL	VL04297 9.D	Acetone	MMDad oda	9/24/20 25 2:17:57 AM	SAM	9/24/20 25 2:25:44 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-01DL	VL04297 9.D	m/p-Xylene	MMDad oda	9/24/20 25 2:17:57 AM	SAM	9/24/20 25 2:25:44 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-02	VL04298 0.D	2,2,4- Trimethylpentane	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-02	VL04298 0.D	4-Methyl-2- Pentanone	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-02	VL04298 0.D	Acetone	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-02	VL04298 0.D	Carbon Tetrachloride	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly

Q3132-02	VL04298 0.D	Chlorodifluorome thane	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-02	VL04298 0.D	Cyclohexane	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-02	VL04298 0.D	Heptane	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly
Q3132-02	VL04298 0.D	Propene	MMDad oda	9/24/20 25 2:17:58 AM	SAM	9/24/20 25 2:25:46 AM	Peak Integra ted by Softwar e incorrec tly

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_____