

## Cover Page

**Order ID :** Q3130

**Project ID :** CHADWICK SQUARE

**Client :** RTP Environmental

**Lab Sample Number**

Q3130-01  
Q3130-02

**Client Sample Number**

131-1A-1  
131-1A-2

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. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : \_\_\_\_\_

Date: 9/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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 # Q3130**

**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 Initial Calibration met the requirements.

The Tuning criteria met requirements.

### **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 #131-1A-1 and 131-1A-2 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	MMDado da	9/24/2025 2:16:17 AM	Peak Integrated by Software incorrectly
VSTDICCO02	VL042951.D	1,1,2-Trichloroethane	sam	9/23/2025 10:01:08 AM	MMDado da	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly
VSTDICCO02	VL042951.D	1,2-Dichloropropane	sam	9/23/2025 10:01:08 AM	MMDado da	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly
VSTDICCO02	VL042951.D	1,4-Dioxane	sam	9/23/2025 10:01:08 AM	MMDado da	9/24/2025 2:16:19 AM	Peak Integrated by Software incorrectly
VSTDICCO02	VL042951.D	4-Methyl-2-Pentanone	sam	9/23/2025 10:01:0	MMDado da	9/24/2025 2:16:19	Peak Integrated by

				8 AM		AM	Software incorrectly
VSTDICCO02	VL042951.D	m/p-Xylene	sam	9/23/2025 10:01:08 AM	MMDado da	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	MMDado da	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	MMDado da	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	Bromodichloromethane	sam	9/23/2025 10:01:13 AM	MMDado da	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	MMDado da	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	Heptane	sam	9/23/2025 10:01:13 AM	MMDado da	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO01	VL042952.D	m/p-Xylene	sam	9/23/2025	MMDado da	9/24/2025	Peak Integrated

				10:01:13 AM		2:16:21 AM	ed by Software incorrectly
VSTDICCO01	VL04295 2.D	t-1,3-Dichloropropene	sam	9/23/2025 10:01:13 AM	MMDado da	9/24/2025 2:16:21 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	1,1,2-Trichloroethane	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	1,4-Dioxane	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	2,2,4-Trimethylpentane	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	Benzyl Chloride	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	cis-1,3-Dichloropropene	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.	VL04295	Ethanol	sam	9/23/20	MMDado	9/24/20	Peak

5	3.D			25 10:02:11 AM	da	25 2:16:23 AM	Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	Heptane	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	m/p-Xylene	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	Methyl Methacrylate	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	t-1,3-Dichloropropene	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	Tetrachloroethene	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly
VSTDICCO.5	VL04295 3.D	trans-1,2-Dichloroethene	sam	9/23/2025 10:02:11 AM	MMDado da	9/24/2025 2:16:23 AM	Peak Integrated by Software incorrectly

VSTDICCO.1	VL04295 4.D	1,2-Dibromoethane	sam	9/23/2025 10:02:56 AM	MMDado da	9/24/2025 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO.1	VL04295 4.D	Carbon Tetrachloride	sam	9/23/2025 10:02:56 AM	MMDado da	9/24/2025 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO.1	VL04295 4.D	Naphthalene	sam	9/23/2025 10:02:56 AM	MMDado da	9/24/2025 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO.1	VL04295 4.D	Tetrachloroethene	sam	9/23/2025 10:02:56 AM	MMDado da	9/24/2025 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO.1	VL04295 4.D	Trichloroethene	sam	9/23/2025 10:02:56 AM	MMDado da	9/24/2025 2:16:25 AM	Peak Integrated by Software incorrectly
VSTDICCO.03	VL04295 5.D	1,1,1-Trichloroethane	sam	9/23/2025 10:01:57 AM	MMDado da	9/24/2025 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO.03	VL04295 5.D	1,1,2,2-Tetrachloroethane	sam	9/23/2025 10:01:57 AM	MMDado da	9/24/2025 2:16:26 AM	Peak Integrated by Software incorrectly

VSTDICCO.03	VL04295 5.D	Carbon Tetrachloride	sam	9/23/20 25 10:01:57 AM	MMDado da	9/24/20 25 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO.03	VL04295 5.D	Tetrachloroethene	sam	9/23/20 25 10:01:57 AM	MMDado da	9/24/20 25 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO.03	VL04295 5.D	Trichloroethene	sam	9/23/20 25 10:01:57 AM	MMDado da	9/24/20 25 2:16:26 AM	Peak Integrated by Software incorrectly
VSTDICCO 15	VL04295 6.D	m/p-Xylene	sam	9/23/20 25 10:01:19 AM	MMDado da	9/24/20 25 2:16:27 AM	Peak Integrated by Software incorrectly
VSTDICVO 10	VL04295 7.D	m/p-Xylene	sam	9/23/20 25 10:01:52 AM	MMDado da	9/24/20 25 2:16:29 AM	Peak Integrated by Software incorrectly
VL0922AB S01	VL04295 9.D	m/p-Xylene	sam	9/23/20 25 10:01:29 AM	MMDado da	9/24/20 25 2:16:44 AM	Peak Integrated by Software incorrectly
Q3130-02	VL04296 9.D	1,2-Dichloroethane	sam	9/23/20 25 10:03:11 AM	MMDado da	9/24/20 25 2:17:12 AM	Peak Integrated by Software incorrectly



Q3130-02	VL04296 9.D	2,2,4- Trimethylpentane	sam	9/23/20 25 10:03:1 1 AM	MMDado da	9/24/20 25 2:17:12 AM	Peak Integrat ed by Softwar e incorrec tly
Q3130-02	VL04296 9.D	Benzene	sam	9/23/20 25 10:03:1 1 AM	MMDado da	9/24/20 25 2:17:12 AM	Peak Integrat ed by Softwar e incorrec tly
Q3130-02	VL04296 9.D	Carbon Tetrachloride	sam	9/23/20 25 10:03:1 1 AM	MMDado da	9/24/20 25 2:17:12 AM	Peak Integrat ed by Softwar e incorrec tly
Q3130-02	VL04296 9.D	m/p-Xylene	sam	9/23/20 25 10:03:1 1 AM	MMDado da	9/24/20 25 2:17:12 AM	Peak Integrat ed by Softwar e incorrec tly
Q3130-02	VL04296 9.D	Propene	sam	9/23/20 25 10:03:1 1 AM	MMDado da	9/24/20 25 2:17:12 AM	Peak Integrat ed by Softwar e incorrec tly
Q3130-02	VL04296 9.D	Tetrachloroethene	sam	9/23/20 25 10:03:1 1 AM	MMDado da	9/24/20 25 2:17:12 AM	Peak Integrat ed by Softwar e incorrec tly
Q3130- 02DUP	VL04297 0.D	2,2,4- Trimethylpentane	sam	9/23/20 25 10:03:1 6 AM	MMDado da	9/24/20 25 2:17:13 AM	Peak Integrat ed by Softwar e incorrec tly

Q3130-02DUP	VL04297 0.D	Carbon Tetrachloride	sam	9/23/20 25 10:03:16 AM	MMDado da	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	MMDado da	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	MMDado da	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	MMDado da	9/24/20 25 2:17:13 AM	Peak Integrated by Software incorrectly
Q3130-01	VL04297 2.D	4-Methyl-2-Pentanone	sam	9/23/20 25 10:01:33 AM	MMDado da	9/24/20 25 2:17:16 AM	Peak Integrated by Software incorrectly
Q3130-01	VL04297 2.D	Carbon Tetrachloride	sam	9/23/20 25 10:01:33 AM	MMDado da	9/24/20 25 2:17:16 AM	Peak Integrated by Software incorrectly
Q3130-01	VL04297 2.D	m/p-Xylene	sam	9/23/20 25 10:01:33 AM	MMDado da	9/24/20 25 2:17:16 AM	Peak Integrated by Software incorrectly

Q3130-01	VL04297 2.D	Propene	sam	9/23/20 25 10:01:3 3 AM	MMDado da	9/24/20 25 2:17:16 AM	Peak Integrat ed by Softwar e incorrec tly
Q3130-01	VL04297 2.D	Toluene	sam	9/23/20 25 10:01:3 3 AM	MMDado da	9/24/20 25 2:17:16 AM	Peak Integrat ed 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.

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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\_\_\_\_\_

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

Project #: Q3130

Completed

For thorough review, the report must have the following:

**GENERAL:**

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

**COVER PAGE:**

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

**CHAIN OF CUSTODY:**

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

**ANALYTICAL:**

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 09/27/2025