

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : RTP Environmental
 Project Location : _____ Project Number : _____
 Laboratory Sample ID(s) : Q3131 Sampling Date(s) : 9/17/2025
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **SMO,SOP,TO-15**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified handling, preservation, and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (4±2° C)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

Cover Page

Order ID : Q3131

Project ID : CHADWICK SQUARE

Client : RTP Environmental

Lab Sample Number

Q3131-01
Q3131-02

Client Sample Number

141-1A-1
141-1A-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: 9/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

RTP Environmental

Project Name: CHADWICK SQUARE

Project # N/A

Order ID # Q3131

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.

Samples 141-1A-1, 141-1A-2 were diluted due to high concentrations.

E. Additional Comments:

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 #141-1A-1, 141-1A-1DL, 141-1A-2, 141-1A-2DL 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	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
VSTDICCO02	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
VSTDICCO02	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
VSTDICCO02	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

VSTDICCO 02	VL04295 1.D	4-Methyl-2- Pentanone	sam	9/23/20 25 10:01:0 8 AM	MMDad oda	9/24/20 25 2:16:19 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 02	VL04295 1.D	m/p-Xylene	sam	9/23/20 25 10:01:0 8 AM	MMDad oda	9/24/20 25 2:16:19 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 01	VL04295 2.D	1,2- Dichloropropane	sam	9/23/20 25 10:01:1 3 AM	MMDad oda	9/24/20 25 2:16:21 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 01	VL04295 2.D	1,4-Dioxane	sam	9/23/20 25 10:01:1 3 AM	MMDad oda	9/24/20 25 2:16:21 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 01	VL04295 2.D	Bromodichlorome thane	sam	9/23/20 25 10:01:1 3 AM	MMDad oda	9/24/20 25 2:16:21 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 01	VL04295 2.D	cis-1,3- Dichloropropene	sam	9/23/20 25 10:01:1 3 AM	MMDad oda	9/24/20 25 2:16:21 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 01	VL04295 2.D	Heptane	sam	9/23/20 25 10:01:1 3 AM	MMDad oda	9/24/20 25 2:16:21 AM	Peak Integra ted by Softwar e incorrec tly

VSTDICCO 01	VL04295 2.D	m/p-Xylene	sam	9/23/20 25 10:01:1 3 AM	MMDad oda	9/24/20 25 2:16:21 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 01	VL04295 2.D	t-1,3- Dichloropropene	sam	9/23/20 25 10:01:1 3 AM	MMDad oda	9/24/20 25 2:16:21 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .5	VL04295 3.D	1,1,2- Trichloroethane	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 incorrec tly
VSTDICCO .5	VL04295 3.D	1,4-Dioxane	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 incorrec tly
VSTDICCO .5	VL04295 3.D	2,2,4- Trimethylpentane	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 incorrec tly
VSTDICCO .5	VL04295 3.D	Benzyl Chloride	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 incorrec tly
VSTDICCO .5	VL04295 3.D	cis-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 incorrec 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 incorrec 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 incorrec 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 incorrec 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 incorrec 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 incorrec 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 incorrec tly
VSTDICCO .5	VL04295 3.D	trans-1,2- Dichloroethene	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 incorrec tly

VSTDICCO .1	VL04295 4.D	1,2- Dibromoethane	sam	9/23/20 25 10:02:5 6 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .1	VL04295 4.D	Carbon Tetrachloride	sam	9/23/20 25 10:02:5 6 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .1	VL04295 4.D	Naphthalene	sam	9/23/20 25 10:02:5 6 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .1	VL04295 4.D	Tetrachloroethen e	sam	9/23/20 25 10:02:5 6 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .1	VL04295 4.D	Trichloroethene	sam	9/23/20 25 10:02:5 6 AM	MMDad oda	9/24/20 25 2:16:25 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .03	VL04295 5.D	1,1,1- Trichloroethane	sam	9/23/20 25 10:01:5 7 AM	MMDad oda	9/24/20 25 2:16:26 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .03	VL04295 5.D	1,1,2,2- Tetrachloroethan e	sam	9/23/20 25 10:01:5 7 AM	MMDad oda	9/24/20 25 2:16:26 AM	Peak Integra ted by Softwar e incorrec tly

VSTDICCO .03	VL04295 5.D	Carbon Tetrachloride	sam	9/23/20 25 10:01:5 7 AM	MMDad oda	9/24/20 25 2:16:26 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .03	VL04295 5.D	Tetrachloroethen e	sam	9/23/20 25 10:01:5 7 AM	MMDad oda	9/24/20 25 2:16:26 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO .03	VL04295 5.D	Trichloroethene	sam	9/23/20 25 10:01:5 7 AM	MMDad oda	9/24/20 25 2:16:26 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICCO 15	VL04295 6.D	m/p-Xylene	sam	9/23/20 25 10:01:1 9 AM	MMDad oda	9/24/20 25 2:16:27 AM	Peak Integra ted by Softwar e incorrec tly
VSTDICVO 10	VL04295 7.D	m/p-Xylene	sam	9/23/20 25 10:01:5 2 AM	MMDad oda	9/24/20 25 2:16:29 AM	Peak Integra ted by Softwar e incorrec tly
VL0922AB S01	VL04295 9.D	m/p-Xylene	sam	9/23/20 25 10:01:2 9 AM	MMDad oda	9/24/20 25 2:16:44 AM	Peak Integra ted by Softwar e incorrec tly
Q3130- 02DUP	VL04297 0.D	2,2,4- Trimethylpentane	sam	9/23/20 25 10:03:1 6 AM	MMDad oda	9/24/20 25 2:17:13 AM	Peak Integra ted by Softwar e incorrec tly

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
Q3131-01	VL04297 4.D	1,2-Dichloroethane	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integrated by Software incorrectly
Q3131-01	VL04297 4.D	2-Hexanone	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integrated by Software incorrectly
Q3131-01	VL04297 4.D	4-Methyl-2-Pentanone	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integrated by Software incorrectly

Q3131-01	VL04297 4.D	Acetone	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integra ted by Softwar e incorrec tly
Q3131-01	VL04297 4.D	Carbon Tetrachloride	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integra ted by Softwar e incorrec tly
Q3131-01	VL04297 4.D	Chlorodifluorome thane	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integra ted by Softwar e incorrec tly
Q3131-01	VL04297 4.D	Cyclohexane	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integra ted by Softwar e incorrec tly
Q3131-01	VL04297 4.D	Heptane	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integra ted by Softwar e incorrec tly
Q3131-01	VL04297 4.D	Propene	MMDad oda	9/24/20 25 2:17:30 AM	SAM	9/24/20 25 2:25:22 AM	Peak Integra ted by Softwar e incorrec tly
Q3131- 01DL	VL04297 5.D	Acetone	MMDad oda	9/24/20 25 2:17:35 AM	SAM	9/24/20 25 2:25:25 AM	Peak Integra ted by Softwar e incorrec tly

Q3131-01DL	VL04297 5.D	Isopropyl Alcohol	MMDadoda	9/24/20 25 2:17:35 AM	SAM	9/24/20 25 2:25:25 AM	Peak Integrated by Software incorrectly
Q3131-01DL	VL04297 5.D	m/p-Xylene	MMDadoda	9/24/20 25 2:17:35 AM	SAM	9/24/20 25 2:25:25 AM	Peak Integrated by Software incorrectly
Q3131-01DL	VL04297 5.D	Propene	MMDadoda	9/24/20 25 2:17:35 AM	SAM	9/24/20 25 2:25:25 AM	Peak Integrated by Software incorrectly
Q3131-01DL	VL04297 5.D	Toluene	MMDadoda	9/24/20 25 2:17:35 AM	SAM	9/24/20 25 2:25:25 AM	Peak Integrated by Software incorrectly
Q3131-02	VL04297 6.D	4-Methyl-2-Pentanone	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly
Q3131-02	VL04297 6.D	Acetone	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly
Q3131-02	VL04297 6.D	Carbon Tetrachloride	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly

Q3131-02	VL04297 6.D	Chlorodifluoromethane	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly
Q3131-02	VL04297 6.D	Chloroform	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly
Q3131-02	VL04297 6.D	Heptane	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly
Q3131-02	VL04297 6.D	Propene	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly
Q3131-02	VL04297 6.D	Tetrahydrofuran	MMDadoda	9/24/20 25 2:17:37 AM	SAM	9/24/20 25 2:25:27 AM	Peak Integrated by Software incorrectly
Q3131-02DL	VL04297 7.D	2,2,4-Trimethylpentane	MMDadoda	9/24/20 25 2:17:54 AM	SAM	9/24/20 25 2:25:28 AM	Peak Integrated by Software incorrectly
Q3131-02DL	VL04297 7.D	Acetone	MMDadoda	9/24/20 25 2:17:54 AM	SAM	9/24/20 25 2:25:28 AM	Peak Integrated by Software incorrectly

Q3131-02DL	VL042977.D	Isopropyl Alcohol	MMDadoda	9/24/2025 2:17:54 AM	SAM	9/24/2025 2:25:28 AM	Peak Integrated by Software incorrectly
Q3131-02DL	VL042977.D	m/p-Xylene	MMDadoda	9/24/2025 2:17:54 AM	SAM	9/24/2025 2:25:28 AM	Peak Integrated by Software incorrectly
Q3131-02DL	VL042977.D	Toluene	MMDadoda	9/24/2025 2:17:54 AM	SAM	9/24/2025 2:25:28 AM	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 _____

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 #: Q3131

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: 09/29/2025