

Cover Page

Order ID : Q1880

Project ID : R36900

Client : Tetra Tech, EMI

Lab Sample Number

Q1880-01
Q1880-02
Q1880-03
Q1880-04
Q1880-05
Q1880-06
Q1880-07
Q1880-08
Q1880-09
Q1880-10
Q1880-11

Client Sample Number

EBR-P11-SC-SS01-20250421
EBR-P02-SL-IA02-20250423
EBR-P08-SC-IA01-20250421
EBR-P08-SC-SS01-20250421
EBR-SC-SS-DUP01-20250421
EBR-P02-SC-DUP01-20250423
EBR-P16-SC-SS01-20250422
EBR-P02-SC-IA01-20250423
EBR-P16-SC-AA-DUP-01-20250422
EBR-P16-SC-AA01-20250422
EBR-P02-SC-SS01-20250423

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: 5/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Tetra Tech, EMI

Project Name: R36900

Project # N/A

Chemtech Project # Q1880

Test Name: TO-15

A. Number of Samples and Date of Receipt:

11 Air samples were received on 04/24/2025.

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 {Q1880-10DUP} with File ID: VL042430.D met criteria except for m/p-Xylene[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.

Samples EBR-P11-SC-SS01-20250421, EBR-P16-SC-SS01-20250422 were diluted due to high concentrations.

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

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

The Sample # EBR-P02-SL-IA02-20250423, EBR-P08-SC-IA01-20250421, EBR-P08-SC-SS01-20250421, EBR-P02-SC-DUP01-20250423, EBR-P02-SC-IA01-20250423 and EBR-P16-SC-AA01-20250422 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	VL041725	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VL042349.D	m/p-Xylene	SAM	4/18/2025 4:19:07 PM	MMDado da	4/18/2025 10:45:20 PM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042350.D	1,4-Dioxane	SAM	4/18/2025 4:19:12 PM	MMDado da	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042350.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:12 PM	MMDado da	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042350.D	Ethanol	SAM	4/18/2025 4:19:12 PM	MMDado da	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDICCC002	VL042350.D	Heptane	SAM	4/18/2025 4:19:12 PM	MMDado da	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly

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VSTDIC002	VL042350.D	m/p-Xylene	SAM	4/18/2025 4:19:12 PM	MMDado da	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDIC002	VL042350.D	Trichloroethene	SAM	4/18/2025 4:19:12 PM	MMDado da	4/18/2025 10:45:17 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	1,3-Butadiene	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	1,4-Dioxane	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	2,2,4-Trimethylpentane	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	cis-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software

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VSTDIC001	VL042351.D	Cyclohexane	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	Ethanol	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	Heptane	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	m/p-Xylene	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	Methyl Methacrylate	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC001	VL042351.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:19:17 PM	MMDado da	4/18/2025 10:45:15 PM	Peak Integrated by Software incorrectly
VSTDIC005	VL042352.D	1,1,2-Trichloroethane	SAM	4/18/2025 4:20:33 PM	MMDado da	4/18/2025 10:45:07 PM	Peak Integrated by Software

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VSTDICC0. 5	VL042352 .D	1,2- Dichloropropan e	SAM	4/18/20 25 4:20:33 PM	MMDado da	4/18/20 25 10:45:0 7 PM	Peak Integrat ed by Softwar e incorrect ly
VSTDICC0. 5	VL042352 .D	1,4-Dioxane	SAM	4/18/20 25 4:20:33 PM	MMDado da	4/18/20 25 10:45:0 7 PM	Peak Integrat ed by Softwar e incorrect ly
VSTDICC0. 5	VL042352 .D	4-Methyl-2- Pentanone	SAM	4/18/20 25 4:20:33 PM	MMDado da	4/18/20 25 10:45:0 7 PM	Peak Integrat ed by Softwar e incorrect ly
VSTDICC0. 5	VL042352 .D	Chlorobenzene	SAM	4/18/20 25 4:20:33 PM	MMDado da	4/18/20 25 10:45:0 7 PM	Peak Integrat ed by Softwar e incorrect ly
VSTDICC0. 5	VL042352 .D	cis-1,3- Dichloropropen e	SAM	4/18/20 25 4:20:33 PM	MMDado da	4/18/20 25 10:45:0 7 PM	Peak Integrat ed by Softwar e incorrect ly
VSTDICC0. 5	VL042352 .D	Ethanol	SAM	4/18/20 25 4:20:33 PM	MMDado da	4/18/20 25 10:45:0 7 PM	Peak Integrat ed by Softwar e incorrect ly
VSTDICC0. 5	VL042352 .D	Heptane	SAM	4/18/20 25 4:20:33	MMDado da	4/18/20 25 10:45:0	Peak Integrat ed by

				PM		7 PM	Software incorrectly
VSTDIC0.5	VL042352.D	m/p-Xylene	SAM	4/18/2025 4:20:33 PM	MMDado da	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL042352.D	Methyl Methacrylate	SAM	4/18/2025 4:20:33 PM	MMDado da	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL042352.D	t-1,3-Dichloropropene	SAM	4/18/2025 4:20:33 PM	MMDado da	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDIC0.5	VL042352.D	Tetrahydrofuran	SAM	4/18/2025 4:20:33 PM	MMDado da	4/18/2025 10:45:07 PM	Peak Integrated by Software incorrectly
VSTDIC0.1	VL042353.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:20:37 PM	MMDado da	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDIC0.1	VL042353.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:20:37 PM	MMDado da	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDIC0.1	VL042353.D	1,2-Dibromoethane	SAM	4/18/2025	MMDado da	4/18/2025	Peak Integrated

		e		4:20:37 PM		10:45:04 PM	ed by Software incorrectly
VSTDICC0.1	VL042353.D	Tetrachloroethene	SAM	4/18/2025 4:20:37 PM	MMDado da	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.1	VL042353.D	Trichloroethene	SAM	4/18/2025 4:20:37 PM	MMDado da	4/18/2025 10:45:04 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	1,1,1-Trichloroethane	SAM	4/18/2025 4:19:24 PM	MMDado da	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	1,1,2,2-Tetrachloroethane	SAM	4/18/2025 4:19:24 PM	MMDado da	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	Carbon Tetrachloride	SAM	4/18/2025 4:19:24 PM	MMDado da	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.03	VL042354.D	Tetrachloroethene	SAM	4/18/2025 4:19:24 PM	MMDado da	4/18/2025 10:45:02 PM	Peak Integrated by Software incorrectly
VSTDICC0.	VL042354	Trichloroethene	SAM	4/18/20	MMDado	4/18/20	Peak

03	.D	e		25 4:19:24 PM	da	25 10:45:02 PM	Integrat ed by Softwar e incorrec tly
VSTDIC015	VL042355.D	m/p-Xylene	SAM	4/18/2025 4:21:35 PM	MMDado da	4/18/2025 10:44:59 PM	Peak Integrat ed by Softwar e incorrec tly
VSTDICV010	VL042356.D	m/p-Xylene	SAM	4/18/2025 4:20:42 PM	MMDado da	4/18/2025 10:44:57 PM	Peak Integrat ed by Softwar e incorrec tly

Manual Integration Report			
Sequence	VL042825	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL042416.D	m/p-Xylene	SAM	4/29/2025 9:26:25 AM	MMDado da	4/30/2025 2:28:57 PM	Peak Integrat ed by Softwar e incorrec tly
VL0428ABS01	VL042418.D	m/p-Xylene	SAM	4/29/2025 9:26:31 AM	MMDado da	4/30/2025 2:29:13 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-02	VL042426.D	Benzene	SAM	4/29/2025 9:29:26 AM	MMDado da	4/30/2025 2:29:45 PM	Peak Integrat ed by Softwar e incorrec

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Q1880-02	VL04242 6.D	Carbon Tetrachloride	SAM	4/29/20 25 9:29:26 AM	MMDado da	4/30/20 25 2:29:45 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-02	VL04242 6.D	Chlorodifluoromet hane	SAM	4/29/20 25 9:29:26 AM	MMDado da	4/30/20 25 2:29:45 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-02	VL04242 6.D	m/p-Xylene	SAM	4/29/20 25 9:29:26 AM	MMDado da	4/30/20 25 2:29:45 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-03	VL04242 7.D	Carbon Tetrachloride	SAM	4/29/20 25 9:28:00 AM	MMDado da	4/30/20 25 2:29:48 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-03	VL04242 7.D	Chlorodifluoromet hane	SAM	4/29/20 25 9:28:00 AM	MMDado da	4/30/20 25 2:29:48 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-03	VL04242 7.D	Heptane	SAM	4/29/20 25 9:28:00 AM	MMDado da	4/30/20 25 2:29:48 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-03	VL04242 7.D	Propene	SAM	4/29/20 25 9:28:00 AM	MMDado da	4/30/20 25 2:29:48 PM	Peak Integrat ed by Softwar e

							incorrectly
Q1880-03	VL04242 7.D	Toluene	SAM	4/29/20 25 9:28:00 AM	MMDado da	4/30/20 25 2:29:48 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-08	VL04242 8.D	Acetone	SAM	4/29/20 25 9:26:42 AM	MMDado da	4/30/20 25 2:29:49 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-08	VL04242 8.D	Carbon Tetrachloride	SAM	4/29/20 25 9:26:42 AM	MMDado da	4/30/20 25 2:29:49 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-08	VL04242 8.D	Chlorodifluoromet hane	SAM	4/29/20 25 9:26:42 AM	MMDado da	4/30/20 25 2:29:49 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-08	VL04242 8.D	Cyclohexane	SAM	4/29/20 25 9:26:42 AM	MMDado da	4/30/20 25 2:29:49 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-08	VL04242 8.D	m/p-Xylene	SAM	4/29/20 25 9:26:42 AM	MMDado da	4/30/20 25 2:29:49 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-10	VL04242 9.D	Carbon Tetrachloride	SAM	4/29/20 25 9:28:05 AM	MMDado da	4/30/20 25 2:29:52 PM	Peak Integrat ed by Softwar

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Q1880-10	VL04242 9.D	Chlorodifluoromet hane	SAM	4/29/20 25 9:28:05 AM	MMDado da	4/30/20 25 2:29:52 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-10	VL04242 9.D	m/p-Xylene	SAM	4/29/20 25 9:28:05 AM	MMDado da	4/30/20 25 2:29:52 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-10	VL04242 9.D	Propene	SAM	4/29/20 25 9:28:05 AM	MMDado da	4/30/20 25 2:29:52 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-10	VL04242 9.D	Tetrachloroethene	SAM	4/29/20 25 9:28:05 AM	MMDado da	4/30/20 25 2:29:52 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-10	VL04242 9.D	Toluene	SAM	4/29/20 25 9:28:05 AM	MMDado da	4/30/20 25 2:29:52 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880- 10DUP	VL04243 0.D	Benzene	SAM	4/29/20 25 9:28:10 AM	MMDado da	4/30/20 25 2:29:59 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880- 10DUP	VL04243 0.D	Carbon Tetrachloride	SAM	4/29/20 25 9:28:10	MMDado da	4/30/20 25 2:29:59	Peak Integrat ed by

				AM		PM	Software incorrectly
Q1880-10DUP	VL04243 0.D	Chlorodifluoromethane	SAM	4/29/2025 9:28:10 AM	MMDado da	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL04243 0.D	m/p-Xylene	SAM	4/29/2025 9:28:10 AM	MMDado da	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL04243 0.D	Tetrachloroethene	SAM	4/29/2025 9:28:10 AM	MMDado da	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-10DUP	VL04243 0.D	Toluene	SAM	4/29/2025 9:28:10 AM	MMDado da	4/30/2025 2:29:59 PM	Peak Integrated by Software incorrectly
Q1880-01	VL04243 1.D	4-Methyl-2-Pentanone	SAM	4/29/2025 9:27:16 AM	MMDado da	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL04243 1.D	Carbon Tetrachloride	SAM	4/29/2025 9:27:16 AM	MMDado da	4/30/2025 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL04243 1.D	Chlorodifluoromethane	SAM	4/29/2025	MMDado da	4/30/2025	Peak Integrated

				9:27:16 AM		2:30:37 PM	ed by Software incorrectly
Q1880-01	VL04243 1.D	Cyclohexane	SAM	4/29/20 25 9:27:16 AM	MMDado da	4/30/20 25 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL04243 1.D	Heptane	SAM	4/29/20 25 9:27:16 AM	MMDado da	4/30/20 25 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL04243 1.D	o-Xylene	SAM	4/29/20 25 9:27:16 AM	MMDado da	4/30/20 25 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-01	VL04243 1.D	Trichloroethene	SAM	4/29/20 25 9:27:16 AM	MMDado da	4/30/20 25 2:30:37 PM	Peak Integrated by Software incorrectly
Q1880-06	VL04243 2.D	Carbon Tetrachloride	SAM	4/29/20 25 9:28:14 AM	MMDado da	4/30/20 25 2:30:01 PM	Peak Integrated by Software incorrectly
Q1880-06	VL04243 2.D	Chlorodifluoromethane	SAM	4/29/20 25 9:28:14 AM	MMDado da	4/30/20 25 2:30:01 PM	Peak Integrated by Software incorrectly
Q1880-06	VL04243	Toluene	SAM	4/29/20	MMDado	4/30/20	Peak

	2.D			25 9:28:14 AM	da	25 2:30:01 PM	Integrat ed by Softwar e incorrec tly
Q1880-09	VL04243 3.D	1,2,4- Trimethylbenzene	SAM	4/29/20 25 9:27:21 AM	MMDado da	4/30/20 25 2:30:03 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-09	VL04243 3.D	Carbon Tetrachloride	SAM	4/29/20 25 9:27:21 AM	MMDado da	4/30/20 25 2:30:03 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-09	VL04243 3.D	Chlorodifluoromet hane	SAM	4/29/20 25 9:27:21 AM	MMDado da	4/30/20 25 2:30:03 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-09	VL04243 3.D	m/p-Xylene	SAM	4/29/20 25 9:27:21 AM	MMDado da	4/30/20 25 2:30:03 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-09	VL04243 3.D	Tetrachloroethene	SAM	4/29/20 25 9:27:21 AM	MMDado da	4/30/20 25 2:30:03 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-09	VL04243 3.D	Toluene	SAM	4/29/20 25 9:27:21 AM	MMDado da	4/30/20 25 2:30:03 PM	Peak Integrat ed by Softwar e incorrec tly

Q1880-09	VL04243 3.D	Trichlorofluoromet hane	SAM	4/29/20 25 9:27:21 AM	MMDado da	4/30/20 25 2:30:03 PM	Peak Integrat ed by Softwar e incorrec tly
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Manual Integration Report			
Sequence	VL042925	Instrument	MSVOA_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VL04243 6.D	1,1,2- Trichloroethane	SAM	4/30/20 25 7:49:08 AM	MMDado da	4/30/20 25 2:26:33 PM	Peak Integrat ed by Softwar e incorrec tly
VSTDCCC010	VL04243 6.D	m/p-Xylene	SAM	4/30/20 25 7:49:08 AM	MMDado da	4/30/20 25 2:26:33 PM	Peak Integrat ed by Softwar e incorrec tly
VL0429ABS01	VL04243 8.D	m/p-Xylene	SAM	4/30/20 25 7:49:14 AM	MMDado da	4/30/20 25 2:26:38 PM	Peak Integrat ed by Softwar e incorrec tly
VL0429ABS01	VL04243 8.D	Methyl Methacrylate	SAM	4/30/20 25 7:49:14 AM	MMDado da	4/30/20 25 2:26:38 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-04	VL04243 9.D	Carbon Tetrachloride	SAM	4/30/20 25 7:50:22 AM	MMDado da	4/30/20 25 2:26:43 PM	Peak Integrat ed by Softwar e

							incorrectly
Q1880-04	VL04243 9.D	Chlorodifluoromethane	SAM	4/30/20 25 7:50:22 AM	MMDado da	4/30/20 25 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL04243 9.D	Hexane	SAM	4/30/20 25 7:50:22 AM	MMDado da	4/30/20 25 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL04243 9.D	m/p-Xylene	SAM	4/30/20 25 7:50:22 AM	MMDado da	4/30/20 25 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL04243 9.D	Tetrachloroethene	SAM	4/30/20 25 7:50:22 AM	MMDado da	4/30/20 25 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL04243 9.D	Toluene	SAM	4/30/20 25 7:50:22 AM	MMDado da	4/30/20 25 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-04	VL04243 9.D	Trichlorofluoromethane	SAM	4/30/20 25 7:50:22 AM	MMDado da	4/30/20 25 2:26:43 PM	Peak Integrated by Software incorrectly
Q1880-07DL	VL04244 1.D	2-Butanone	SAM	4/30/20 25 7:51:22 AM	MMDado da	4/30/20 25 2:28:23 PM	Peak Integrated by Software

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Q1880-05	VL04244 7.D	Chlorodifluorometh ane	SAM	4/30/20 25 7:53:11 AM	MMDado da	4/30/20 25 2:27:30 PM	Peak Integrat ed by Softwar e in cor rec tly
Q1880-05	VL04244 7.D	m/p-Xylene	SAM	4/30/20 25 7:53:11 AM	MMDado da	4/30/20 25 2:27:30 PM	Peak Integrat ed by Softwar e in cor rec tly
Q1880-05	VL04244 7.D	Tetrachloroethene	SAM	4/30/20 25 7:53:11 AM	MMDado da	4/30/20 25 2:27:30 PM	Peak Integrat ed by Softwar e in cor rec tly
Q1880-05	VL04244 7.D	Toluene	SAM	4/30/20 25 7:53:11 AM	MMDado da	4/30/20 25 2:27:30 PM	Peak Integrat ed by Softwar e in cor rec tly
Q1880-05	VL04244 7.D	Trichlorofluoromet hane	SAM	4/30/20 25 7:53:11 AM	MMDado da	4/30/20 25 2:27:30 PM	Peak Integrat ed by Softwar e in cor rec tly
Q1880-07	VL04244 8.D	Benzene	SAM	4/30/20 25 7:52:30 AM	MMDado da	4/30/20 25 2:27:33 PM	Peak Integrat ed by Softwar e in cor rec tly
Q1880-07	VL04244 8.D	Carbon Tetrachloride	SAM	4/30/20 25 7:52:30	MMDado da	4/30/20 25 2:27:33	Peak Integrat ed by

				AM		PM	Software incorrectly
Q1880-07	VL04244 8.D	Chlorodifluoromethane	SAM	4/30/2025 7:52:30 AM	MMDado da	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL04244 8.D	Dichlorodifluoromethane	SAM	4/30/2025 7:52:30 AM	MMDado da	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL04244 8.D	m/p-Xylene	SAM	4/30/2025 7:52:30 AM	MMDado da	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL04244 8.D	Tetrahydrofuran	SAM	4/30/2025 7:52:30 AM	MMDado da	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-07	VL04244 8.D	Toluene	SAM	4/30/2025 7:52:30 AM	MMDado da	4/30/2025 2:27:33 PM	Peak Integrated by Software incorrectly
Q1880-11	VL04244 9.D	Carbon Tetrachloride	SAM	4/30/2025 7:49:52 AM	MMDado da	4/30/2025 2:27:40 PM	Peak Integrated by Software incorrectly
Q1880-11	VL04244 9.D	Chlorodifluoromethane	SAM	4/30/2025	MMDado da	4/30/2025	Peak Integrated

				7:49:52 AM		2:27:40 PM	ed by Softwar e incorrec tly
Q1880-11	VL04244 9.D	Hexane	SAM	4/30/20 25 7:49:52 AM	MMDado da	4/30/20 25 2:27:40 PM	Peak Integrat ed by Softwar e incorrec tly
Q1880-11	VL04244 9.D	Toluene	SAM	4/30/20 25 7:49:52 AM	MMDado da	4/30/20 25 2:27:40 PM	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.

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 #: Q1880

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: 05/07/2025