284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
1	Q1532-01	TO-15					
2	Q1532-02	TO-15					
3	Q1532-03	TO-15					
4	Q1532-04	TO-15					

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
Q1532-01	Air	03/06/25	03/07/25		03/10/25
Q1532-02	Air	03/06/25	03/07/25		03/10/25
Q1532-03	Air	03/06/25	03/07/25		03/10/25
Q1532-04	Air	03/06/25	03/07/25		03/10/25

*** Details For Test :** TO-15

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
Q1532-01	Air	TO-15	NA		
Q1532-02	Air	TO-15	NA		
Q1532-03	Air	TO-15	NA		
Q1532-04	Air	TO-15	NA		

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Cover Page

Order ID : Q1532

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

Client : Environmental Management Services

Lab Sample Number	Client Sample Number
Q1532-01	1
Q1532-02	2
Q1532-03	3
Q1532-04	4

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: 3/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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.

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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	MMDadodda	3/6/2025 1:12:13 AM	SAM	3/6/2025 1:24:10 AM	Peak Integrated by Software incorrectly
VSTDICC002	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
VSTDICC001	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
VSTDICC001	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
VSTDICC001	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
VSTDICC001	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
VSTDICC001	VL042043.D	cis-1,3-Dichloropropene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC001	VL042043.	Ethanol	SAM	2/26/202	MMDadoda	2/26/2025	Peak

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

VSTDICC001	VL042043.D	trans-1,2-Dichloroethene	SAM	2/26/2025 7:42:26 AM	MMDadoda	2/26/2025 1:45:09 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,1,2-Trichloroethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,2-Dibromoethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,2-Dichloropropane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	1,4-Dioxane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.	2-Hexanone	SA	2/26/202	MMDadod	2/26/202	Peak

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	D		M	5 7:42:02 AM	a	5 1:45:11 PM	Integrated by Software incorrectly
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 Integrated by Software incorrectly
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 Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	Dibromochloromethane	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
VSTDICC0.5	VL042044.D	m/p-Xylene	SAM	2/26/2025 7:42:02 AM	MMDadoda	2/26/2025 1:45:11 PM	Peak Integrated by Software incorrectly
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 Integrated by Software incorrectly
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 Integrated by Software incorrectly

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

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							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

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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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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							incorrectly
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

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							incorrectly
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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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_____

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1532**

	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 Castody	✓
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:** **03/15/2025**