Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

ANALYTICAL REPORT

Maui Wildfire Response Site
Maui, Hawaii

Prepared for:
United States Environmental Protection Agency/Environmental Response Team
Edison, New Jersey

Prepared by:
Weston-TechLaw JV, LLC
Response Engineering and Analytical Contract
Contract No: 68HE0321D0001
Task Order No.: 68HERH23F0376

Weston TechLaw JV LLC

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Submitted to
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TABLE OF CONTENTS

Topic

Testing Laboratories Information
Detailed Sample Information
Introduction
Case Narrative
Summary of Abbreviations

Section I

Results of the Analysis for VOC (ppbv) in Air	Table 1.1a
Results of the Analysis for VOC (µg/m3) in Air	Table 1.1b
Results of the TIC Analysis for VOC (ppbv) in Air	Table 1.2

Section II

Results of the LCS Analysis for VOC in Air	Table 2.1
Results of the Duplicate Analysis for VOC in Air	Table 2.2

Section III

Chains of Custody

Appendices

Appendix A	Data for VOC in Air	AI 054
Appendix B	Data for VOC in Air	AI 055

The appendices will be furnished on request.

TESTING LABORATORIES INFORMATION

Analysis of Volatile Organic Compounds in Air by REAC SOP #1814/EPA Method TO-15 *"Determination of Volatile Organic Compounds in Air Collected on Specially-Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS)"*

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All analyses were performed according to NELAP-approved quality assurance program. The test results meet the requirements of the current NELAP standards, where applicable, except as noted in the laboratory case narrative provided. Results are intended to be considered in their entirety and apply only to those analyzed and reported herein.

ERT/REAC Laboratory is certified by the New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #12023 for VOC analysis in air.

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DETAILED SAMPLE INFORMATION

Laboratory Sample #	Field Sample #
L308002-01	S-001
L308002-02	S-002
L308002-03	S-003
L308002-04	S-004
L308002-05	S-005
L308002-06	S-006
L308002-07	S-007
L308002-08	TB-001
L308003-01	S-008
L308003-02	S-009
L308003-03	S-010
L308003-04	S-011
L308003-05	S-012
L308003-06	TB-002

INTRODUCTION

REAC personnel, in response to Task Order (TO) # 68HERH23F0376, provided analytical support for environmental samples collected from the Maui Wildfire Response Site in Maui, Hawaii as described in the following table. The support also included QA/QC, data review and preparation of an analytical report containing analytical and QA/QC results.

The samples analyzed at REAC were treated with procedures consistent with those specified in REAC SOP #1008, *Sample Receiving, Handling and Storage*.

Chain of Custody #	Number of Samples	Sampling Date	Date Received	Date Analyzed	Matrix	Analysis/ Method	Laboratory	Data Package
9-082423-085338-0007	3	08/20/23	08/26/23	08/27/23	Air	VOC/EPA TO-15	ERT/REAC	AI 054
	4	08/23/23						
	1	NA			Trip Blank			
9-082723-083037-0012	1	08/23/23		08/29/23	Air			AI 055
	2	08/25/23						
	2	08/26/23						
	1	NA			Trip Blank			

Case Narrative

Sampling was conducted as per the site-specific Quality Assurance Project Plan (QAPP) and analyzed by the analytical methods as stated in the QAPP. The laboratory reported the data to three significant figures. Any other representation of the data is the responsibility of the user. Data were validated using a Stage 4 validation done manually (S4VM) in accordance with the "Guidance for Labeling Externally Validated Data for Superfund Use." All data validation flags have been inserted into the results tables.

<u>VOCs in Air Package AI 054</u>

All samples with the exception of TB-001 (trip blank) were analyzed using 500 milliliters (mL) instead of one liter due to high moisture content in the canisters. The reporting limits have been elevated by a factor of two.

The sampling date for the TB-001 was not recorded on the Chain of Custody Record. It was assumed that the trip blank was collected on the last day of sampling (8/23/23).

Chloromethane was detected in the canister during the certification process at a concentration greater than RL. The chloromethane result for sample S-004 has been qualified estimated (J) and may be biased high.

Naphthalene exceeded the percent recovery (%R) criterion for the lower limit continuing calibration verification (LLCCV) of 08/27/23. Results for naphthalene are qualified estimated for samples S-001 through S-007 (J) and TB-001 (UJ).

VOCs in Air Package AI 055

The sampling date for the TB-002 was not recorded on the Chain of Custody Record. It was assumed that the trip blank was collected on the last day of sampling (8/26/23).

The toluene results for samples S-0010, S-0011 and S-012 are qualified estimated biased high (J+) since toluene was detected in these samples at a concentration greater than five times the blank concentration and toluene was detected in the TB-002 at a concentration greater than the RL. The toluene result for sample S-009 has been qualified non-detect (U) since toluene was detected in this sample at a concentration less than five times the blank concentration and the RL has been elevated to the concentration found in the sample.

The results for m- and p-xylene for samples S-008, S-010, S-011 and S-012 are qualified estimated biased high (J+) since m- and p-xylene was detected in these samples at a concentration greater than five times the blank concentration and m- and p-xylene was detected in TB-002 at a concentration greater than the RL. The m- & p-xylene result for sample S-009 has been qualified non-detect (U) since m- & p-xylene was detected in this sample at a concentration less than five times the blank concentration and the RL has been elevated to the concentration found in the sample.

Summary of Abbreviations

BFB	Bromofluorobenzene
BS	Blank Spike
BSD	Blank Spike Duplicate
^{O}C	Degree Centigrade
COC	Chain of Custody
conc	concentration
cont	continued
PCDD/PCDF	Polychlorinated dibenzo-p-dioxins (PCDD) and Polychlorinated dibenzofurans (PCDF)
DFTPP	Decafluorotriphenylphosphine
DRO/ORO	Diesel Range Organics/Oil Range Organics
EMPC	Estimated maximum possible concentration
GC/ECD	Gas Chromatography/Electron Capture Detector
GC/FID	Gas Chromatography/Flame Ionization Detector
GC/MS	Gas Chromatography/ Mass Spectrometry
GRO	Gasoline Range Organics
Hg-CVAA	Mercury-Cold Vapor Atomic Absorption
ICP-AES	Inductively Coupled Plasma- Atomic Emission Spectroscopy
ID	Identification
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDA	Minimum Detectable Activity
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable or Not Available
NAD	Normalized Absolute Difference
NC	Not Calculated
NR	Not Requested/Not Reported
% D	Percent Difference
% R	Percent Recovery
SOP	Standard Operating Procedure
PCB	Polychlorinated Biphenyl
PDS	Post Digestion Spike
Percent RSD	Percent Relative Standard Deviation
ppbv	parts per billion by volume
ppm	parts per million
pptv	parts per trillion by volume
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
REAC	Response Engineering and Analytical Contract
RL	Reporting Limit
RPD	Relative Percent Difference
S2BVM	Stage 2B validation done manually
S4VM	Stage 4 validation done manually
SIM	Selected Ion Monitoring
TIC	Tentatively Identified Compound
SVOC	Semivolatile Organic Compound
VOC	Volatile Organic Compound
*	Value exceeds the acceptable QC limits

m^3	cubic meter	g	gram	kg	kilogram	L	liter
µg	microgram	µL	microliter	mg	milligram	mL	milliliter
ng	nanogram	pg	picogram	pCi	picocurie	σ	sigma

Data Validation Flags

J	Value is estimated	J-	Value is estimated low	R	Rejected or Value is unusable
J+	Value is estimated high	U	Not detected	UJ	Not detected and RL is estimated

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Table 1.1a Results of the Analysis for VOC (ppbv) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	Method Blank 8/27/2023	L308002-08	L308002-02
Sample Number	PS-Method Blank 8/27/2023	TB-001	S-002
Sample Location		Trip Blank	Loc02-FC
Sublocation			
Date Analyzed	8/27/2023	8/27/2023	8/27/2023
Matrix	Blank	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv
115-07-1	Propylene	U		0.500	0.0449	U		0.500	0.0449	0.699		1.00	0.0898
75-71-8	Dichlorodifluoromethane	U		0.0200	0.000989	U		0.0200	0.000989	0.487		0.0400	0.00198
74-87-3	Chloromethane	U		0.0200	0.00447	U		0.0200	0.00447	0.764		0.0400	0.00893
1320-37-2	Dichlorotetrafluoroethane	U		0.0200	0.00197	U		0.0200	0.00197	U		0.0400	0.00394
75-01-4	Vinyl Chloride	U		0.0200	0.00490	U		0.0200	0.00490	U		0.0400	0.00981
106-99-0	1,3-Butadiene	U		0.0200	0.00669	U		0.0200	0.00669	U		0.0400	0.0134
74-83-9	Bromomethane	U		0.0200	0.00342	U		0.0200	0.00342	U		0.0400	0.00683
75-00-3	Chloroethane	U		0.0200	0.00206	U		0.0200	0.00206	U		0.0400	0.00411
107-02-8	Acetone	U		0.500	0.116	U		0.500	0.116	8.77		1.00	0.231
75-69-4	Trichlorofluoromethane	U		0.0200	0.00236	U		0.0200	0.00236	0.219		0.0400	0.00472
67-63-0	Isopropyl Alcohol	U		0.500	0.0264	U		0.500	0.0264	3.11		1.00	0.0527
75-35-4	1,1-Dichloroethene	U		0.0200	0.00224	U		0.0200	0.00224	U		0.0400	0.00448
75-09-2	Methylene Chloride	U		0.0200	0.00551	U		0.0200	0.00551	0.0842		0.0400	0.0110
26523-64-8	Trichlorotrifluoroethane	U		0.0200	0.00231	U		0.0200	0.00231	0.0674		0.0400	0.00462
156-60-5	trans-1,2-Dichloroethene	U		0.0200	0.00180	U		0.0200	0.00180	U		0.0400	0.00360
75-34-3	1,1-Dichloroethane	U		0.0200	0.00190	U		0.0200	0.00190	U		0.0400	0.00381
1634-04-4	MTBE	U		0.0200	0.00158	U		0.0200	0.00158	U		0.0400	0.00315
108-05-4	Vinyl Acetate	U		0.0200	0.00319	U		0.0200	0.00319	0.323		0.0400	0.00637
78-93-3	2-Butanone	U		0.500	0.0173	U		0.500	0.0173	0.913		1.00	0.0347
156-59-2	cis-1,2-Dichloroethene	U		0.0200	0.00176	U		0.0200	0.00176	U		0.0400	0.00352
141-78-6	Ethyl Acetate	U		0.0200	0.00238	U		0.0200	0.00238	0.334		0.0400	0.00476
110-54-3	Hexane	U		0.500	0.0269	U		0.500	0.0269	0.245		1.00	0.0539
67-66-3	Chloroform	U		0.0200	0.00122	U		0.0200	0.00122	U		0.0400	0.00244
109-99-9	Tetrahydrofuran	U		0.0200	0.00423	U		0.0200	0.00423	6.83		0.0400	0.00847
107-06-2	1,2-Dichloroethane	U		0.0200	0.000982	U		0.0200	0.000982	0.0422		0.0400	0.00196
71-55-6	1,1,1-Trichloroethane	U		0.0200	0.00193	U		0.0200	0.00193	U		0.0400	0.00387
71-43-2	Benzene	U		0.0200	0.00128	U		0.0200	0.00128	0.329		0.0400	0.00255
56-23-5	Carbon Tetrachloride	U		0.0200	0.000963	U		0.0200	0.000963	0.0670		0.0400	0.00193
110-82-7	Cyclohexane	U		0.0200	0.00171	U		0.0200	0.00171	0.0726		0.0400	0.00343
78-87-5	1,2-Dichloropropane	U		0.0200	0.00137	U		0.0200	0.00137	U		0.0400	0.00274
123-91-1	1,4-Dioxane	U		0.0200	0.00351	U		0.0200	0.00351	U		0.0400	0.00701
79-01-6	Trichloroethene	U		0.0200	0.00209	U		0.0200	0.00209	U		0.0400	0.00419
142-82-5	Heptane	U		0.0200	0.00148	U		0.0200	0.00148	0.327		0.0400	0.00295
10061-01-5	cis-1,3-Dichloropropene	U		0.0200	0.00101	U		0.0200	0.00101	U		0.0400	0.00203
108-10-1	Methyl Isobutyl Ketone	U		0.0200	0.00187	U		0.0200	0.00187	U		0.0400	0.00373
10061-02-6	trans-1,3-Dichloropropene	U		0.0200	0.00247	U		0.0200	0.00247	U		0.0400	0.00495
79-00-5	1,1,2-Trichloroethane	U		0.0200	0.00105	U		0.0200	0.00105	U		0.0400	0.00209
108-88-3	Toluene	U		0.0200	0.00212	U		0.0200	0.00212	2.39		0.0400	0.00423
591-78-6	2-Hexanone	U		0.0200	0.00137	U		0.0200	0.00137	U		0.0400	0.00273
124-48-1	Dibromochloromethane	U		0.0200	0.00141	U		0.0200	0.00141	U		0.0400	0.00282
106-93-4	1,2-Dibromoethane	U		0.0200	0.000977	U		0.0200	0.000977	U		0.0400	0.00195
127-18-4	Tetrachloroethene	U		0.0200	0.00203	U		0.0200	0.00203	0.0560		0.0400	0.00407
108-90-7	Chlorobenzene	U		0.0200	0.00118	U		0.0200	0.00118	U		0.0400	0.00236
100-41-4	Ethylbenzene	U		0.0200	0.00117	U		0.0200	0.00117	0.157		0.0400	0.00234
179601-23-1	m&p-Xylene	U		0.0200	0.00394	U		0.0200	0.00394	0.571		0.0400	0.00788
75-25-2	Bromoform	U		0.0200	0.000793	U		0.0200	0.000793	U		0.0400	0.00159
100-42-5	Styrene	U		0.0200	0.00242	U		0.0200	0.00242	U		0.0400	0.00484
79-34-5	1,1,2,2-Tetrachloroethane	U		0.0200	0.00127	U		0.0200	0.00127	U		0.0400	0.00254
95-47-6	o-Xylene	U		0.0200	0.00188	U		0.0200	0.00188	0.149		0.0400	0.00377
622-96-8	p-Ethyltoluene	U		0.0200	0.00208	U		0.0200	0.00208	U		0.0400	0.00416
108-67-8	1,3,5-Trimethylbenzene	U		0.0200	0.00179	U		0.0200	0.00179	U		0.0400	0.00357
95-63-6	1,2,4-Trimethylbenzene	U		0.0200	0.00126	U		0.0200	0.00126	0.0468		0.0400	0.00252
541-73-1	1,3-Dichlorobenzene	U		0.0200	0.00375	U		0.0200	0.00375	U		0.0400	0.00750
106-46-7	1,4-Dichlorobenzene	U		0.0200	0.00443	U		0.0200	0.00443	U		0.0400	0.00886
95-50-1	1,2-Dichlorobenzene	U		0.0200	0.00356	U		0.0200	0.00356	U		0.0400	0.00712
91-20-3	Naphthalene	U	J	0.0200	0.00882	U	J	0.0200	0.00882	0.713	J	0.0400	0.0176

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Table 1.1a (Cont) Results of the Analysis for VOC (ppbv) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308002-03	L308002-04	L308002-05
Sample Number	S-003	S-004	S-005
Sample Location	Loc01-GC-DUP	Loc06-ES	Loc06-ES-DUP
Sublocation			
Date Analyzed	8/27/2023	8/27/2023	8/27/2023
Matrix	Air	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv
115-07-1	Propylene	0.643		1.00	0.0898	0.593		1.00	0.0898	0.629		1.00	0.0898
75-71-8	Dichlorodifluoromethane	0.479		0.0400	0.00198	0.468		0.0400	0.00198	0.457		0.0400	0.00198
74-87-3	Chloromethane	0.675		0.0400	0.00893	0.763	J	0.0400	0.00893	0.754		0.0400	0.00893
1320-37-2	Dichlorotetrafluoroethane	U		0.0400	0.00394	U		0.0400	0.00394	U		0.0400	0.00394
75-01-4	Vinyl Chloride	U		0.0400	0.00981	U		0.0400	0.00981	U		0.0400	0.00981
106-99-0	1,3-Butadiene	U		0.0400	0.0134	U		0.0400	0.0134	U		0.0400	0.0134
74-83-9	Bromomethane	U		0.0400	0.00683	U		0.0400	0.00683	U		0.0400	0.00683
75-00-3	Chloroethane	U		0.0400	0.00411	U		0.0400	0.00411	U		0.0400	0.00411
107-02-8	Acetone	5.69		1.00	0.231	6.84		1.00	0.231	6.34		1.00	0.231
75-69-4	Trichlorofluoromethane	0.211		0.0400	0.00472	0.203		0.0400	0.00472	0.213		0.0400	0.00472
67-63-0	Isopropyl Alcohol	1.27		1.00	0.0527	1.72		1.00	0.0527	1.92		1.00	0.0527
75-35-4	1,1-Dichloroethene	U		0.0400	0.00448	U		0.0400	0.00448	U		0.0400	0.00448
75-09-2	Methylene Chloride	0.0779		0.0400	0.0110	0.0634		0.0400	0.0110	0.0659		0.0400	0.0110
26523-64-8	Trichlorotrifluoroethane	0.0667		0.0400	0.00462	0.0637		0.0400	0.00462	0.0625		0.0400	0.00462
156-60-5	trans-1,2-Dichloroethene	U		0.0400	0.00360	U		0.0400	0.00360	U		0.0400	0.00360
75-34-3	1,1-Dichloroethane	U		0.0400	0.00381	U		0.0400	0.00381	U		0.0400	0.00381
1634-04-4	MTBE	U		0.0400	0.00315	U		0.0400	0.00315	U		0.0400	0.00315
108-05-4	Vinyl Acetate	0.173		0.0400	0.00637	0.116		0.0400	0.00637	0.235		0.0400	0.00637
78-93-3	2-Butanone	0.596		1.00	0.0347	0.330		1.00	0.0347	0.440		1.00	0.0347
156-59-2	cis-1,2-Dichloroethene	U		0.0400	0.00352	U		0.0400	0.00352	U		0.0400	0.00352
141-78-6	Ethyl Acetate	0.227		0.0400	0.00476	0.134		0.0400	0.00476	7.97		0.0400	0.00476
110-54-3	Hexane	0.135		1.00	0.0539	0.0436		1.00	0.0539	0.0803		1.00	0.0539
67-66-3	Chloroform	U		0.0400	0.00244	U		0.0400	0.00244	U		0.0400	0.00244
109-99-9	Tetrahydrofuran	0.724		0.0400	0.00847	4.13		0.0400	0.00847	3.80		0.0400	0.00847
107-06-2	1,2-Dichloroethane	U		0.0400	0.00196	U		0.0400	0.00196	U		0.0400	0.00196
71-55-6	1,1,1-Trichloroethane	U		0.0400	0.00387	U		0.0400	0.00387	U		0.0400	0.00387
71-43-2	Benzene	0.0924		0.0400	0.00255	0.0423		0.0400	0.00255	0.207		0.0400	0.00255
56-23-5	Carbon Tetrachloride	0.0629		0.0400	0.00193	0.0600		0.0400	0.00193	0.0601		0.0400	0.00193
110-82-7	Cyclohexane	0.0544		0.0400	0.00343	U		0.0400	0.00343	0.0708		0.0400	0.00343
78-87-5	1,2-Dichloropropane	U		0.0400	0.00274	U		0.0400	0.00274	U		0.0400	0.00274
123-91-1	1,4-Dioxane	U		0.0400	0.00701	U		0.0400	0.00701	U		0.0400	0.00701
79-01-6	Trichloroethene	U		0.0400	0.00419	U		0.0400	0.00419	U		0.0400	0.00419
142-82-5	Heptane	0.147		0.0400	0.00295	0.231		0.0400	0.00295	0.197		0.0400	0.00295
10061-01-5	cis-1,3-Dichloropropene	U		0.0400	0.00203	U		0.0400	0.00203	U		0.0400	0.00203
108-10-1	Methyl Isobutyl Ketone	0.0426		0.0400	0.00373	U		0.0400	0.00373	0.345		0.0400	0.00373
10061-02-6	trans-1,3-Dichloropropene	U		0.0400	0.00495	U		0.0400	0.00495	U		0.0400	0.00495
79-00-5	1,1,2-Trichloroethane	U		0.0400	0.00209	U		0.0400	0.00209	U		0.0400	0.00209
108-88-3	Toluene	1.64		0.0400	0.00423	0.411		0.0400	0.00423	0.912		0.0400	0.00423
591-78-6	2-Hexanone	0.174		0.0400	0.00273	U		0.0400	0.00273	U		0.0400	0.00273
124-48-1	Dibromochloromethane	U		0.0400	0.00282	U		0.0400	0.00282	U		0.0400	0.00282
106-93-4	1,2-Dibromoethane	U		0.0400	0.00195	U		0.0400	0.00195	U		0.0400	0.00195
127-18-4	Tetrachloroethene	U		0.0400	0.00407	0.0415		0.0400	0.00407	0.0401		0.0400	0.00407
108-90-7	Chlorobenzene	U		0.0400	0.00236	U		0.0400	0.00236	U		0.0400	0.00236
100-41-4	Ethylbenzene	0.0513		0.0400	0.00234	0.0481		0.0400	0.00234	0.0608		0.0400	0.00234
179601-23-1	m&p-Xylene	0.215		0.0400	0.00788	0.258		0.0400	0.00788	0.276		0.0400	0.00788
75-25-2	Bromoform	U		0.0400	0.00159	U		0.0400	0.00159	U		0.0400	0.00159
100-42-5	Styrene	U		0.0400	0.00484	U		0.0400	0.00484	U		0.0400	0.00484
79-34-5	1,1,2,2-Tetrachloroethane	U		0.0400	0.00254	U		0.0400	0.00254	U		0.0400	0.00254
95-47-6	o-Xylene	0.0455		0.0400	0.00377	0.0401		0.0400	0.00377	0.0591		0.0400	0.00377
622-96-8	p-Ethyltoluene	U		0.0400	0.00416	U		0.0400	0.00416	U		0.0400	0.00416
108-67-8	1,3,5-Trimethylbenzene	U		0.0400	0.00357	U		0.0400	0.00357	U		0.0400	0.00357
95-63-6	1,2,4-Trimethylbenzene	U		0.0400	0.00252	U		0.0400	0.00252	U		0.0400	0.00252
541-73-1	1,3-Dichlorobenzene	U		0.0400	0.00750	U		0.0400	0.00750	U		0.0400	0.00750
106-46-7	1,4-Dichlorobenzene	U		0.0400	0.00886	U		0.0400	0.00886	U		0.0400	0.00886
95-50-1	1,2-Dichlorobenzene	U		0.0400	0.00712	U		0.0400	0.00712	U		0.0400	0.00712
91-20-3	Naphthalene	0.493	J	0.0400	0.0176	0.603	J	0.0400	0.0176	0.500	J	0.0400	0.0176

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.1a (Cont) Results of the Analysis for VOC (ppbv) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308002-06	L308002-07	L308002-01
Sample Number	S-006	S-007	S-001
Sample Location	Loc03-K01	Loc04-K02	Loc01-GC
Sublocation			
Date Analyzed	8/27/2023	8/27/2023	8/27/2023
Matrix	Air	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv
115-07-1	Propylene	0.698		1.00	0.0898	0.775		1.00	0.0901	0.604		1.00	0.0900
75-71-8	Dichlorodifluoromethane	0.474		0.0400	0.00198	0.443		0.0401	0.00198	0.455		0.0401	0.00198
74-87-3	Chloromethane	0.684		0.0400	0.00893	0.636		0.0401	0.00896	0.697		0.0401	0.00895
1320-37-2	Dichlorotetrafluoroethane	U		0.0400	0.00394	U		0.0401	0.00396	0.0414		0.0401	0.00395
75-01-4	Vinyl Chloride	U		0.0400	0.00981	U		0.0401	0.00984	U		0.0401	0.00983
106-99-0	1,3-Butadiene	U		0.0400	0.0134	U		0.0401	0.0134	U		0.0401	0.0134
74-83-9	Bromomethane	U		0.0400	0.00683	U		0.0401	0.00686	U		0.0401	0.00685
75-00-3	Chloroethane	U		0.0400	0.00411	U		0.0401	0.00413	U		0.0401	0.00412
107-02-8	Acetone	5.15		1.00	0.231	4.91		1.00	0.232	5.39		1.00	0.232
75-69-4	Trichlorofluoromethane	0.210		0.0400	0.00472	0.210		0.0401	0.00474	0.222		0.0401	0.00474
67-63-0	Isopropyl Alcohol	1.37		1.00	0.0527	1.04		1.00	0.0529	1.93		1.00	0.0529
75-35-4	1,1-Dichloroethene	U		0.0400	0.00448	U		0.0401	0.00450	U		0.0401	0.00449
75-09-2	Methylene Chloride	0.0680		0.0400	0.0110	0.0729		0.0401	0.0111	0.103		0.0401	0.0110
26523-64-8	Trichlorotrifluoroethane	0.0675		0.0400	0.00462	0.0754		0.0401	0.00464	0.0872		0.0401	0.00463
156-60-5	trans-1,2-Dichloroethene	U		0.0400	0.00360	U		0.0401	0.00361	U		0.0401	0.00360
75-34-3	1,1-Dichloroethane	U		0.0400	0.00381	U		0.0401	0.00382	U		0.0401	0.00382
1634-04-4	MTBE	U		0.0400	0.00315	U		0.0401	0.00316	U		0.0401	0.00316
108-05-4	Vinyl Acetate	0.209		0.0400	0.00637	0.154		0.0401	0.00639	0.245		0.0401	0.00639
78-93-3	2-Butanone	0.422		1.00	0.0347	0.362		1.00	0.0348	0.395		1.00	0.0348
156-59-2	cis-1,2-Dichloroethene	U		0.0400	0.00352	U		0.0401	0.00353	U		0.0401	0.00353
141-78-6	Ethyl Acetate	0.135		0.0400	0.00476	0.163		0.0401	0.00478	0.427		0.0401	0.00477
110-54-3	Hexane	0.0536		1.00	0.0539	0.0696		1.00	0.0541	0.162		1.00	0.0540
67-66-3	Chloroform	U		0.0400	0.00244	U		0.0401	0.00245	U		0.0401	0.00245
109-99-9	Tetrahydrofuran	1.99		0.0400	0.00847	7.38		0.0401	0.00850	3.02		0.0401	0.00849
107-06-2	1,2-Dichloroethane	U		0.0400	0.00196	0.0497		0.0401	0.00197	0.0666		0.0401	0.00197
71-55-6	1,1,1-Trichloroethane	U		0.0400	0.00387	U		0.0401	0.00388	U		0.0401	0.00387
71-43-2	Benzene	0.355		0.0400	0.00255	0.182		0.0401	0.00256	0.118		0.0401	0.00256
56-23-5	Carbon Tetrachloride	0.0605		0.0400	0.00193	0.0745		0.0401	0.00193	0.0810		0.0401	0.00193
110-82-7	Cyclohexane	U		0.0400	0.00343	0.0430		0.0401	0.00344	0.0832		0.0401	0.00344
78-87-5	1,2-Dichloropropane	U		0.0400	0.00274	U		0.0401	0.00274	U		0.0401	0.00274
123-91-1	1,4-Dioxane	U		0.0400	0.00701	U		0.0401	0.00704	0.0841		0.0401	0.00703
79-01-6	Trichloroethene	U		0.0400	0.00419	U		0.0401	0.00420	U		0.0401	0.00420
142-82-5	Heptane	0.190		0.0400	0.00295	0.196		0.0401	0.00296	0.266		0.0401	0.00296
10061-01-5	cis-1,3-Dichloropropene	U		0.0400	0.00203	U		0.0401	0.00203	U		0.0401	0.00203
108-10-1	Methyl Isobutyl Ketone	0.0477		0.0400	0.00373	0.0436		0.0401	0.00375	0.0810		0.0401	0.00374
10061-02-6	trans-1,3-Dichloropropene	U		0.0400	0.00495	U		0.0401	0.00496	U		0.0401	0.00496
79-00-5	1,1,2-Trichloroethane	U		0.0400	0.00209	U		0.0401	0.00210	U		0.0401	0.00210
108-88-3	Toluene	0.468		0.0400	0.00423	0.447		0.0401	0.00425	0.842		0.0401	0.00424
591-78-6	2-Hexanone	U		0.0400	0.00273	U		0.0401	0.00274	U		0.0401	0.00274
124-48-1	Dibromochloromethane	U		0.0400	0.00282	U		0.0401	0.00283	U		0.0401	0.00283
106-93-4	1,2-Dibromoethane	U		0.0400	0.00195	U		0.0401	0.00196	U		0.0401	0.00196
127-18-4	Tetrachloroethene	U		0.0400	0.00407	0.0613		0.0401	0.00408	0.0694		0.0401	0.00408
108-90-7	Chlorobenzene	U		0.0400	0.00236	0.0486		0.0401	0.00237	0.0541		0.0401	0.00237
100-41-4	Ethylbenzene	0.0653		0.0400	0.00234	0.0877		0.0401	0.00235	0.0978		0.0401	0.00235
179601-23-1	m&p-Xylene	0.248		0.0400	0.00788	0.294		0.0401	0.00791	0.413		0.0401	0.00790
75-25-2	Bromoform	U		0.0400	0.00159	U		0.0401	0.00159	U		0.0401	0.00159
100-42-5	Styrene	U		0.0400	0.00484	U		0.0401	0.00486	0.0432		0.0401	0.00485
79-34-5	1,1,2,2-Tetrachloroethane	U		0.0400	0.00254	U		0.0401	0.00254	U		0.0401	0.00254
95-47-6	o-Xylene	0.0509		0.0400	0.00377	0.0782		0.0401	0.00378	0.0906		0.0401	0.00378
622-96-8	p-Ethyltoluene	U		0.0400	0.00416	U		0.0401	0.00418	U		0.0401	0.00417
108-67-8	1,3,5-Trimethylbenzene	U		0.0400	0.00357	U		0.0401	0.00358	U		0.0401	0.00358
95-63-6	1,2,4-Trimethylbenzene	U		0.0400	0.00252	0.0440		0.0401	0.00253	0.0470		0.0401	0.00253
541-73-1	1,3-Dichlorobenzene	U		0.0400	0.00750	U		0.0401	0.00753	0.0422		0.0401	0.00752
106-46-7	1,4-Dichlorobenzene	U		0.0400	0.00886	U		0.0401	0.00889	U		0.0401	0.00888
95-50-1	1,2-Dichlorobenzene	U		0.0400	0.00712	U		0.0401	0.00714	U		0.0401	0.00714
91-20-3	Naphthalene	0.476	J	0.0400	0.0176	0.403	J	0.0401	0.0177	0.600	J	0.0401	0.0177

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.1a (Cont) Results of the Analysis for VOC (ppbv) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	Method Blank 8/29/2023	L308003-01	L308003-02
Sample Number	PS-Method Blank 8/29/2023	S-008	S-009
Sample Location		Loc05-ES	Loc07-CP3
Sublocation			
Date Analyzed	8/29/2023	8/29/2023	8/29/2023
Matrix	Blank	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ppbv	*RL* ppbv	*MDL* ppbv	Result ppbv	*RL* ppbv	*MDL* ppbv	Result ppbv	*RL* ppbv	*MDL* ppbv
115-07-1	Propylene	U	0.500	0.0449	0.204	0.500	0.0449	0.162	0.500	0.0449
75-71-8	Dichlorodifluoromethane	U	0.0200	0.000989	0.207	0.0200	0.000989	0.217	0.0200	0.000989
74-87-3	Chloromethane	U	0.0200	0.00447	0.303	0.0200	0.00447	0.315	0.0200	0.00447
1320-37-2	Dichlorotetrafluoroethane	U	0.0200	0.00197	U	0.0200	0.00197	U	0.0200	0.00197
75-01-4	Vinyl Chloride	U	0.0200	0.00490	U	0.0200	0.00490	U	0.0200	0.00490
106-99-0	1,3-Butadiene	U	0.0200	0.00669	U	0.0200	0.00669	U	0.0200	0.00669
74-83-9	Bromomethane	U	0.0200	0.00342	U	0.0200	0.00342	U	0.0200	0.00342
75-00-3	Chloroethane	U	0.0200	0.00206	U	0.0200	0.00206	U	0.0200	0.00206
107-02-8	Acetone	U	0.500	0.116	2.07	0.500	0.116	2.13	0.500	0.116
75-69-4	Trichlorofluoromethane	U	0.0200	0.00236	0.0951	0.0200	0.00236	0.102	0.0200	0.00236
67-63-0	Isopropyl Alcohol	U	0.500	0.0264	0.175	0.500	0.0264	0.296	0.500	0.0264
75-35-4	1,1-Dichloroethene	U	0.0200	0.00224	U	0.0200	0.00224	U	0.0200	0.00224
75-09-2	Methylene Chloride	U	0.0200	0.00551	0.0366	0.0200	0.00551	0.0377	0.0200	0.00551
26523-64-8	Trichlorotrifluoroethane	U	0.0200	0.00231	0.0295	0.0200	0.00231	0.0310	0.0200	0.00231
156-60-5	trans-1,2-Dichloroethene	U	0.0200	0.00180	U	0.0200	0.00180	U	0.0200	0.00180
75-34-3	1,1-Dichloroethane	U	0.0200	0.00190	U	0.0200	0.00190	U	0.0200	0.00190
1634-04-4	MTBE	U	0.0200	0.00158	U	0.0200	0.00158	U	0.0200	0.00158
108-05-4	Vinyl Acetate	U	0.0200	0.00319	0.107	0.0200	0.00319	0.0509	0.0200	0.00319
78-93-3	2-Butanone	U	0.500	0.0173	0.162	0.500	0.0173	0.107	0.500	0.0173
156-59-2	cis-1,2-Dichloroethene	U	0.0200	0.00176	U	0.0200	0.00176	U	0.0200	0.00176
141-78-6	Ethyl Acetate	U	0.0200	0.00238	0.254	0.0200	0.00238	0.0718	0.0200	0.00238
110-54-3	Hexane	U	0.500	0.0269	0.266	0.500	0.0269	0.0928	0.500	0.0269
67-66-3	Chloroform	U	0.0200	0.00122	U	0.0200	0.00122	U	0.0200	0.00122
109-99-9	Tetrahydrofuran	U	0.0200	0.00423	0.563	0.0200	0.00423	2.49	0.0200	0.00423
107-06-2	1,2-Dichloroethane	U	0.0200	0.000982	U	0.0200	0.000982	U	0.0200	0.000982
71-55-6	1,1,1-Trichloroethane	U	0.0200	0.00193	U	0.0200	0.00193	U	0.0200	0.00193
71-43-2	Benzene	U	0.0200	0.00128	0.0560	0.0200	0.00128	0.0266	0.0200	0.00128
56-23-5	Carbon Tetrachloride	U	0.0200	0.000963	0.0299	0.0200	0.000963	0.0294	0.0200	0.000963
110-82-7	Cyclohexane	U	0.0200	0.00171	0.0230	0.0200	0.00171	U	0.0200	0.00171
78-87-5	1,2-Dichloropropane	U	0.0200	0.00137	U	0.0200	0.00137	U	0.0200	0.00137
123-91-1	1,4-Dioxane	U	0.0200	0.00351	U	0.0200	0.00351	U	0.0200	0.00351
79-01-6	Trichloroethene	U	0.0200	0.00209	U	0.0200	0.00209	U	0.0200	0.00209
142-82-5	Heptane	U	0.0200	0.00148	0.0435	0.0200	0.00148	0.0479	0.0200	0.00148
10061-01-5	cis-1,3-Dichloropropene	U	0.0200	0.00101	U	0.0200	0.00101	U	0.0200	0.00101
108-10-1	Methyl Isobutyl Ketone	U	0.0200	0.00187	U	0.0200	0.00187	0.0208	0.0200	0.00187
10061-02-6	trans-1,3-Dichloropropene	U	0.0200	0.00247	U	0.0200	0.00247	U	0.0200	0.00247
79-00-5	1,1,2-Trichloroethane	U	0.0200	0.00105	U	0.0200	0.00105	U	0.0200	0.00105
108-88-3	Toluene	U	0.0200	0.00212	0.749	0.0200	0.00212	U	0.141	0.00212
591-78-6	2-Hexanone	U	0.0200	0.00137	0.0291	0.0200	0.00137	U	0.0200	0.00137
124-48-1	Dibromochloromethane	U	0.0200	0.00141	U	0.0200	0.00141	U	0.0200	0.00141
106-93-4	1,2-Dibromoethane	U	0.0200	0.000977	U	0.0200	0.000977	U	0.0200	0.000977
127-18-4	Tetrachloroethene	U	0.0200	0.00203	U	0.0200	0.00203	U	0.0200	0.00203
108-90-7	Chlorobenzene	U	0.0200	0.00118	U	0.0200	0.00118	U	0.0200	0.00118
100-41-4	Ethylbenzene	U	0.0200	0.00117	0.0391	0.0200	0.00117	U	0.0200	0.00117
179601-23-1	m&p-Xylene	U	0.0200	0.00394	0.150 J+	0.0200	0.00394	U	0.0750	0.00394
75-25-2	Bromoform	U	0.0200	0.000793	U	0.0200	0.000793	U	0.0200	0.000793
100-42-5	Styrene	U	0.0200	0.00242	U	0.0200	0.00242	U	0.0200	0.00242
79-34-5	1,1,2,2-Tetrachloroethane	U	0.0200	0.00127	U	0.0200	0.00127	U	0.0200	0.00127
95-47-6	o-Xylene	U	0.0200	0.00188	0.0476	0.0200	0.00188	U	0.0200	0.00188
622-96-8	p-Ethyltoluene	U	0.0200	0.00208	U	0.0200	0.00208	U	0.0200	0.00208
108-67-8	1,3,5-Trimethylbenzene	U	0.0200	0.00179	U	0.0200	0.00179	U	0.0200	0.00179
95-63-6	1,2,4-Trimethylbenzene	U	0.0200	0.00126	0.0319	0.0200	0.00126	U	0.0200	0.00126
541-73-1	1,3-Dichlorobenzene	U	0.0200	0.00375	U	0.0200	0.00375	U	0.0200	0.00375
106-46-7	1,4-Dichlorobenzene	U	0.0200	0.00443	U	0.0200	0.00443	U	0.0200	0.00443
95-50-1	1,2-Dichlorobenzene	U	0.0200	0.00356	U	0.0200	0.00356	U	0.0200	0.00356
91-20-3	Naphthalene	U	0.0200	0.00882	U	0.0200	0.00882	0.0875	0.0200	0.00882

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Table 1.1a (Cont) Results of the Analysis for VOC (ppbv) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308003-03	L308003-04	L308003-05
Sample Number	S-010	S-011	S-012
Sample Location	Loc08-KK	Loc09-BG	Loc10-CP16
Sublocation			
Date Analyzed	8/29/2023	8/29/2023	8/29/2023
Matrix	Air	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv	Result ppbv		*RL* ppbv	*MDL* ppbv
115-07-1	Propylene	0.146		0.500	0.0449	0.116		0.500	0.0449	U		0.500	0.0449
75-71-8	Dichlorodifluoromethane	0.211		0.0200	0.000989	0.220		0.0200	0.000989	U		0.0200	0.000989
74-87-3	Chloromethane	0.364		0.0200	0.00447	0.304		0.0200	0.00447	U		0.0200	0.00447
1320-37-2	Dichlorotetrafluoroethane	U		0.0200	0.00197	U		0.0200	0.00197	U		0.0200	0.00197
75-01-4	Vinyl Chloride	U		0.0200	0.00490	U		0.0200	0.00490	U		0.0200	0.00490
106-99-0	1,3-Butadiene	U		0.0200	0.00669	U		0.0200	0.00669	U		0.0200	0.00669
74-83-9	Bromomethane	U		0.0200	0.00342	U		0.0200	0.00342	U		0.0200	0.00342
75-00-3	Chloroethane	U		0.0200	0.00206	U		0.0200	0.00206	U		0.0200	0.00206
107-02-8	Acetone	2.50		0.500	0.116	1.97		0.500	0.116	1.91		0.500	0.116
75-69-4	Trichlorofluoromethane	0.0931		0.0200	0.00236	0.0976		0.0200	0.00236	0.101		0.0200	0.00236
67-63-0	Isopropyl Alcohol	0.277		0.500	0.0264	0.450		0.500	0.0264	0.534		0.500	0.0264
75-35-4	1,1-Dichloroethene	U		0.0200	0.00224	U		0.0200	0.00224	U		0.0200	0.00224
75-09-2	Methylene Chloride	0.0365		0.0200	0.00551	0.0374		0.0200	0.00551	0.0360		0.0200	0.00551
26523-64-8	Trichlorotrifluoroethane	0.0291		0.0200	0.00231	0.0298		0.0200	0.00231	0.0313		0.0200	0.00231
156-60-5	trans-1,2-Dichloroethene	U		0.0200	0.00180	U		0.0200	0.00180	U		0.0200	0.00180
75-34-3	1,1-Dichloroethane	U		0.0200	0.00190	U		0.0200	0.00190	U		0.0200	0.00190
1634-04-4	MTBE	U		0.0200	0.00158	U		0.0200	0.00158	U		0.0200	0.00158
108-05-4	Vinyl Acetate	0.0708		0.0200	0.00319	0.0599		0.0200	0.00319	0.0564		0.0200	0.00319
78-93-3	2-Butanone	0.154		0.500	0.0173	0.151		0.500	0.0173	0.157		0.500	0.0173
156-59-2	cis-1,2-Dichloroethene	U		0.0200	0.00176	U		0.0200	0.00176	U		0.0200	0.00176
141-78-6	Ethyl Acetate	0.0740		0.0200	0.00238	0.0861		0.0200	0.00238	0.0807		0.0200	0.00238
110-54-3	Hexane	0.111		0.500	0.0269	0.114		0.500	0.0269	0.106		0.500	0.0269
67-66-3	Chloroform	U		0.0200	0.00122	U		0.0200	0.00122	U		0.0200	0.00122
109-99-9	Tetrahydrofuran	1.70		0.0200	0.00423	2.00		0.0200	0.00423	1.34		0.0200	0.00423
107-06-2	1,2-Dichloroethane	U		0.0200	0.000982	U		0.0200	0.000982	U		0.0200	0.000982
71-55-6	1,1,1-Trichloroethane	U		0.0200	0.00193	U		0.0200	0.00193	U		0.0200	0.00193
71-43-2	Benzene	0.0520		0.0200	0.00128	0.0272		0.0200	0.00128	0.0264		0.0200	0.00128
56-23-5	Carbon Tetrachloride	0.0283		0.0200	0.000963	0.0298		0.0200	0.000963	0.0278		0.0200	0.000963
110-82-7	Cyclohexane	U		0.0200	0.00171	U		0.0200	0.00171	U		0.0200	0.00171
78-87-5	1,2-Dichloropropane	U		0.0200	0.00137	U		0.0200	0.00137	U		0.0200	0.00137
123-91-1	1,4-Dioxane	U		0.0200	0.00351	U		0.0200	0.00351	U		0.0200	0.00351
79-01-6	Trichloroethene	U		0.0200	0.00209	U		0.0200	0.00209	U		0.0200	0.00209
142-82-5	Heptane	0.0604		0.0200	0.00148	0.0778		0.0200	0.00148	0.0721		0.0200	0.00148
10061-01-5	cis-1,3-Dichloropropene	U		0.0200	0.00101	U		0.0200	0.00101	U		0.0200	0.00101
108-10-1	Methyl Isobutyl Ketone	0.0468		0.0200	0.00187	U		0.0200	0.00187	U		0.0200	0.00187
10061-02-6	trans-1,3-Dichloropropene	U		0.0200	0.00247	U		0.0200	0.00247	U		0.0200	0.00247
79-00-5	1,1,2-Trichloroethane	U		0.0200	0.00105	U		0.0200	0.00105	U		0.0200	0.00105
108-88-3	Toluene	0.209	J+	0.0200	0.00212	0.158	J+	0.0200	0.00212	0.157	J+	0.0200	0.00212
591-78-6	2-Hexanone	U		0.0200	0.00137	U		0.0200	0.00137	U		0.0200	0.00137
124-48-1	Dibromochloromethane	U		0.0200	0.00141	U		0.0200	0.00141	U		0.0200	0.00141
106-93-4	1,2-Dibromoethane	U		0.0200	0.000977	U		0.0200	0.000977	U		0.0200	0.000977
127-18-4	Tetrachloroethene	U		0.0200	0.00203	U		0.0200	0.00203	U		0.0200	0.00203
108-90-7	Chlorobenzene	U		0.0200	0.00118	U		0.0200	0.00118	U		0.0200	0.00118
100-41-4	Ethylbenzene	0.0286		0.0200	0.00117	0.0214		0.0200	0.00117	0.0205		0.0200	0.00117
179601-23-1	m&p-Xylene	0.111	J+	0.0200	0.00394	0.114	J+	0.0200	0.00394	0.115	J+	0.0200	0.00394
75-25-2	Bromoform	U		0.0200	0.000793	U		0.0200	0.000793	U		0.0200	0.000793
100-42-5	Styrene	U		0.0200	0.00242	U		0.0200	0.00242	U		0.0200	0.00242
79-34-5	1,1,2,2-Tetrachloroethane	U		0.0200	0.00127	U		0.0200	0.00127	U		0.0200	0.00127
95-47-6	o-Xylene	0.0319		0.0200	0.00188	U		0.0200	0.00188	U		0.0200	0.00188
622-96-8	p-Ethyltoluene	U		0.0200	0.00208	U		0.0200	0.00208	U		0.0200	0.00208
108-67-8	1,3,5-Trimethylbenzene	U		0.0200	0.00179	U		0.0200	0.00179	U		0.0200	0.00179
95-63-6	1,2,4-Trimethylbenzene	U		0.0200	0.00126	U		0.0200	0.00126	U		0.0200	0.00126
541-73-1	1,3-Dichlorobenzene	U		0.0200	0.00375	U		0.0200	0.00375	U		0.0200	0.00375
106-46-7	1,4-Dichlorobenzene	U		0.0200	0.00443	U		0.0200	0.00443	U		0.0200	0.00443
95-50-1	1,2-Dichlorobenzene	U		0.0200	0.00356	U		0.0200	0.00356	U		0.0200	0.00356
91-20-3	Naphthalene	0.0892		0.0200	0.00882	0.276		0.0200	0.00882	0.302		0.0200	0.00882

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.1a (Cont) Results of the Analysis for VOC (ppbv) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308003-06
Sample Number	TB-002
Sample Location	Trip Blank
Sublocation	
Date Analyzed	8/29/2023
Matrix	Air
Test Type	Initial
Total or Dissolved	N

CAS No	Analyte	Result ppbv	*RL* ppbv	*MDL* ppbv
115-07-1	Propylene	U	0.500	0.0449
75-71-8	Dichlorodifluoromethane	U	0.0200	0.000989
74-87-3	Chloromethane	U	0.0200	0.00447
1320-37-2	Dichlorotetrafluoroethane	U	0.0200	0.00197
75-01-4	Vinyl Chloride	U	0.0200	0.00490
106-99-0	1,3-Butadiene	U	0.0200	0.00669
74-83-9	Bromomethane	U	0.0200	0.00342
75-00-3	Chloroethane	U	0.0200	0.00206
107-02-8	Acetone	U	0.500	0.116
75-69-4	Trichlorofluoromethane	U	0.0200	0.00236
67-63-0	Isopropyl Alcohol	U	0.500	0.0264
75-35-4	1,1-Dichloroethene	U	0.0200	0.00224
75-09-2	Methylene Chloride	U	0.0200	0.00551
26523-64-8	Trichlorotrifluoroethane	U	0.0200	0.00231
156-60-5	trans-1,2-Dichloroethene	U	0.0200	0.00180
75-34-3	1,1-Dichloroethane	U	0.0200	0.00190
1634-04-4	MTBE	U	0.0200	0.00158
108-05-4	Vinyl Acetate	U	0.0200	0.00319
78-93-3	2-Butanone	U	0.500	0.0173
156-59-2	cis-1,2-Dichloroethene	U	0.0200	0.00176
141-78-6	Ethyl Acetate	U	0.0200	0.00238
110-54-3	Hexane	U	0.500	0.0269
67-66-3	Chloroform	U	0.0200	0.00122
109-99-9	Tetrahydrofuran	U	0.0200	0.00423
107-06-2	1,2-Dichloroethane	U	0.0200	0.000982
71-55-6	1,1,1-Trichloroethane	U	0.0200	0.00193
71-43-2	Benzene	U	0.0200	0.00128
56-23-5	Carbon Tetrachloride	U	0.0200	0.000963
110-82-7	Cyclohexane	U	0.0200	0.00171
78-87-5	1,2-Dichloropropane	U	0.0200	0.00137
123-91-1	1,4-Dioxane	U	0.0200	0.00351
79-01-6	Trichloroethene	U	0.0200	0.00209
142-82-5	Heptane	U	0.0200	0.00148
10061-01-5	cis-1,3-Dichloropropene	U	0.0200	0.00101
108-10-1	Methyl Isobutyl Ketone	U	0.0200	0.00187
10061-02-6	trans-1,3-Dichloropropene	U	0.0200	0.00247
79-00-5	1,1,2-Trichloroethane	U	0.0200	0.00105
108-88-3	Toluene	0.0313	0.0200	0.00212
591-78-6	2-Hexanone	U	0.0200	0.00137
124-48-1	Dibromochloromethane	U	0.0200	0.00141
106-93-4	1,2-Dibromoethane	U	0.0200	0.000977
127-18-4	Tetrachloroethene	U	0.0200	0.00203
108-90-7	Chlorobenzene	U	0.0200	0.00118
100-41-4	Ethylbenzene	U	0.0200	0.00117
179601-23-1	m&p-Xylene	0.0206	0.0200	0.00394
75-25-2	Bromoform	U	0.0200	0.000793
100-42-5	Styrene	U	0.0200	0.00242
79-34-5	1,1,2,2-Tetrachloroethane	U	0.0200	0.00127
95-47-6	o-Xylene	U	0.0200	0.00188
622-96-8	p-Ethyltoluene	U	0.0200	0.00208
108-67-8	1,3,5-Trimethylbenzene	U	0.0200	0.00179
95-63-6	1,2,4-Trimethylbenzene	U	0.0200	0.00126
541-73-1	1,3-Dichlorobenzene	U	0.0200	0.00375
106-46-7	1,4-Dichlorobenzene	U	0.0200	0.00443
95-50-1	1,2-Dichlorobenzene	U	0.0200	0.00356
91-20-3	Naphthalene	U	0.0200	0.00882

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.1b Results of the Analysis for VOC (ug/m3) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	Method Blank 8/27/2023	L308002-08	L308002-02	
Sample Number	PS-Method Blank 8/27/2023	TB-001	S-002	
Sample Location		Trip Blank	Loc02-FC	
Sublocation				
Date Analyzed	8/27/2023	8/27/2023	8/27/2023	
Matrix	Blank	Air	Air	
Test Type	Initial	Initial	Initial	
Total or Dissolved	N	N	N	

CAS No	Analyte	Result ug/m3	*RL* ug/m3	*MDL* ug/m3	Result ug/m3	*RL* ug/m3	*MDL* ug/m3	Result ug/m3	*RL* ug/m3	*MDL* ug/m3
115-07-1	Propylene	U	0.861	0.0773	U	0.861	0.0773	1.20	1.72	0.155
75-71-8	Dichlorodifluoromethane	U	0.0989	0.00489	U	0.0989	0.00489	2.41	0.198	0.00978
74-87-3	Chloromethane	U	0.0413	0.00922	U	0.0413	0.00922	1.58	0.0826	0.0184
1320-37-2	Dichlorotetrafluoroethane	U	0.140	0.0138	U	0.140	0.0138	U	0.280	0.0276
75-01-4	Vinyl Chloride	U	0.0511	0.0125	U	0.0511	0.0125	U	0.102	0.0251
106-99-0	1,3-Butadiene	U	0.0442	0.0148	U	0.0442	0.0148	U	0.0885	0.0296
74-83-9	Bromomethane	U	0.0777	0.0133	U	0.0777	0.0133	U	0.155	0.0265
75-00-3	Chloroethane	U	0.0528	0.00542	U	0.0528	0.00542	U	0.106	0.0108
107-02-8	Acetone	U	1.19	0.275	U	1.19	0.275	20.8	2.38	0.550
75-69-4	Trichlorofluoromethane	U	0.112	0.0133	U	0.112	0.0133	1.23	0.225	0.0265
67-63-0	Isopropyl Alcohol	U	1.23	0.0648	U	1.23	0.0648	7.63	2.46	0.130
75-35-4	1,1-Dichloroethene	U	0.0793	0.00889	U	0.0793	0.00889	U	0.159	0.0178
75-09-2	Methylene Chloride	U	0.0695	0.0191	U	0.0695	0.0191	0.293	0.139	0.0383
26523-64-8	Trichlorotrifluoroethane	U	0.153	0.0177	U	0.153	0.0177	0.517	0.307	0.0354
156-60-5	trans-1,2-Dichloroethene	U	0.0793	0.00713	U	0.0793	0.00713	U	0.159	0.0143
75-34-3	1,1-Dichloroethane	U	0.0809	0.00771	U	0.0809	0.00771	U	0.162	0.0154
1634-04-4	MTBE	U	0.0721	0.00568	U	0.0721	0.00568	U	0.144	0.0114
108-05-4	Vinyl Acetate	U	0.0704	0.0112	U	0.0704	0.0112	1.14	0.141	0.0224
78-93-3	2-Butanone	U	1.47	0.0511	U	1.47	0.0511	2.69	2.95	0.102
156-59-2	cis-1,2-Dichloroethene	U	0.0793	0.00698	U	0.0793	0.00698	U	0.159	0.0140
141-78-6	Ethyl Acetate	U	0.0721	0.00858	U	0.0721	0.00858	1.20	0.144	0.0172
110-54-3	Hexane	U	1.76	0.0950	U	1.76	0.0950	0.864	3.52	0.190
67-66-3	Chloroform	U	0.0977	0.00596	U	0.0977	0.00596	U	0.195	0.0119
109-99-9	Tetrahydrofuran	U	0.0590	0.0125	U	0.0590	0.0125	20.1	0.118	0.0250
107-06-2	1,2-Dichloroethane	U	0.0809	0.00398	U	0.0809	0.00398	0.171	0.162	0.00795
71-55-6	1,1,1-Trichloroethane	U	0.109	0.0105	U	0.109	0.0105	U	0.218	0.0211
71-43-2	Benzene	U	0.0639	0.00407	U	0.0639	0.00407	1.05	0.128	0.00815
56-23-5	Carbon Tetrachloride	U	0.126	0.00606	U	0.126	0.00606	0.422	0.252	0.0121
110-82-7	Cyclohexane	U	0.0688	0.00590	U	0.0688	0.00590	0.250	0.138	0.0118
78-87-5	1,2-Dichloropropane	U	0.0924	0.00632	U	0.0924	0.00632	U	0.185	0.0126
123-91-1	1,4-Dioxane	U	0.0721	0.0126	U	0.0721	0.0126	U	0.144	0.0253
79-01-6	Trichloroethene	U	0.107	0.0113	U	0.107	0.0113	U	0.215	0.0225
142-82-5	Heptane	U	0.0820	0.00605	U	0.0820	0.00605	1.34	0.164	0.0121
10061-01-5	cis-1,3-Dichloropropene	U	0.0908	0.00460	U	0.0908	0.00460	U	0.182	0.00920
108-10-1	Methyl Isobutyl Ketone	U	0.0819	0.00764	U	0.0819	0.00764	U	0.164	0.0153
10061-02-6	trans-1,3-Dichloropropene	U	0.0908	0.0112	U	0.0908	0.0112	U	0.182	0.0225
79-00-5	1,1,2-Trichloroethane	U	0.109	0.00571	U	0.109	0.00571	U	0.218	0.0114
108-88-3	Toluene	U	0.0754	0.00797	U	0.0754	0.00797	9.00	0.151	0.0159
591-78-6	2-Hexanone	U	0.0819	0.00559	U	0.0819	0.00559	U	0.164	0.0112
124-48-1	Dibromochloromethane	U	0.170	0.0120	U	0.170	0.0120	U	0.341	0.0241
106-93-4	1,2-Dibromoethane	U	0.154	0.00750	U	0.154	0.00750	U	0.307	0.0150
127-18-4	Tetrachloroethene	U	0.136	0.0138	U	0.136	0.0138	0.380	0.271	0.0276
108-90-7	Chlorobenzene	U	0.0921	0.00544	U	0.0921	0.00544	U	0.184	0.0109
100-41-4	Ethylbenzene	U	0.0868	0.00508	U	0.0868	0.00508	0.682	0.174	0.0102
179601-23-1	m&p-Xylene	U	0.0868	0.0171	U	0.0868	0.0171	2.48	0.174	0.0342
75-25-2	Bromoform	U	0.207	0.00819	U	0.207	0.00819	U	0.413	0.0164
100-42-5	Styrene	U	0.0852	0.0103	U	0.0852	0.0103	U	0.170	0.0206
79-34-5	1,1,2,2-Tetrachloroethane	U	0.137	0.00870	U	0.137	0.00870	U	0.275	0.0174
95-47-6	o-Xylene	U	0.0868	0.00818	U	0.0868	0.00818	0.646	0.174	0.0164
622-96-8	p-Ethyltoluene	U	0.0983	0.0102	U	0.0983	0.0102	U	0.197	0.0205
108-67-8	1,3,5-Trimethylbenzene	U	0.0983	0.00878	U	0.0983	0.00878	U	0.197	0.0176
95-63-6	1,2,4-Trimethylbenzene	U	0.0983	0.00619	U	0.0983	0.00619	0.230	0.197	0.0124
541-73-1	1,3-Dichlorobenzene	U	0.120	0.0225	U	0.120	0.0225	U	0.240	0.0451
106-46-7	1,4-Dichlorobenzene	U	0.120	0.0266	U	0.120	0.0266	U	0.240	0.0533
95-50-1	1,2-Dichlorobenzene	U	0.120	0.0214	U	0.120	0.0214	U	0.240	0.0428
91-20-3	Naphthalene	U J	0.105	0.0462	U J	0.105	0.0462	3.74 J	0.210	0.0925

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2890 Woodbridge Avenue, Building 209 Annex
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Table 1.1b (Cont) Results of the Analysis for VOC (ug/m3) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308002-03	L308002-04	L308002-05
Sample Number	S-003	S-004	S-005
Sample Location	Loc01-GC-DUP	Loc06-ES	Loc06-ES-DUP
Sublocation			
Date Analyzed	8/27/2023	8/27/2023	8/27/2023
Matrix	Air	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ug/m3		*RL* ug/m3	*MDL* ug/m3	Result ug/m3		*RL* ug/m3	*MDL* ug/m3	Result ug/m3		*RL* ug/m3	*MDL* ug/m3
115-07-1	Propylene	1.11		1.72	0.155	1.02		1.72	0.155	1.08		1.72	0.155
75-71-8	Dichlorodifluoromethane	2.37		0.198	0.00978	2.31		0.198	0.00978	2.26		0.198	0.00978
74-87-3	Chloromethane	1.39		0.0826	0.0184	1.58	J	0.0826	0.0184	1.56		0.0826	0.0184
1320-37-2	Dichlorotetrafluoroethane	U		0.280	0.0276	U		0.280	0.0276	U		0.280	0.0276
75-01-4	Vinyl Chloride	U		0.102	0.0251	U		0.102	0.0251	U		0.102	0.0251
106-99-0	1,3-Butadiene	U		0.0885	0.0296	U		0.0885	0.0296	U		0.0885	0.0296
74-83-9	Bromomethane	U		0.155	0.0265	U		0.155	0.0265	U		0.155	0.0265
75-00-3	Chloroethane	U		0.106	0.0108	U		0.106	0.0108	U		0.106	0.0108
107-02-8	Acetone	13.5		2.38	0.550	16.2		2.38	0.550	15.1		2.38	0.550
75-69-4	Trichlorofluoromethane	1.19		0.225	0.0265	1.14		0.225	0.0265	1.20		0.225	0.0265
67-63-0	Isopropyl Alcohol	3.11		2.46	0.130	4.23		2.46	0.130	4.72		2.46	0.130
75-35-4	1,1-Dichloroethene	U		0.159	0.0178	U		0.159	0.0178	U		0.159	0.0178
75-09-2	Methylene Chloride	0.271		0.139	0.0383	0.220		0.139	0.0383	0.229		0.139	0.0383
26523-64-8	Trichlorotrifluoroethane	0.511		0.307	0.0354	0.488		0.307	0.0354	0.479		0.307	0.0354
156-60-5	trans-1,2-Dichloroethene	U		0.159	0.0143	U		0.159	0.0143	U		0.159	0.0143
75-34-3	1,1-Dichloroethane	U		0.162	0.0154	U		0.162	0.0154	U		0.162	0.0154
1634-04-4	MTBE	U		0.144	0.0114	U		0.144	0.0114	U		0.144	0.0114
108-05-4	Vinyl Acetate	0.610		0.141	0.0224	0.407		0.141	0.0224	0.827		0.141	0.0224
78-93-3	2-Butanone	1.76		2.95	0.102	0.973		2.95	0.102	1.30		2.95	0.102
156-59-2	cis-1,2-Dichloroethene	U		0.159	0.0140	U		0.159	0.0140	U		0.159	0.0140
141-78-6	Ethyl Acetate	0.819		0.144	0.0172	0.481		0.144	0.0172	28.7		0.144	0.0172
110-54-3	Hexane	0.474		3.52	0.190	0.154		3.52	0.190	0.283		3.52	0.190
67-66-3	Chloroform	U		0.195	0.0119	U		0.195	0.0119	U		0.195	0.0119
109-99-9	Tetrahydrofuran	2.14		0.118	0.0250	12.2		0.118	0.0250	11.2		0.118	0.0250
107-06-2	1,2-Dichloroethane	U		0.162	0.00795	U		0.162	0.00795	U		0.162	0.00795
71-55-6	1,1,1-Trichloroethane	U		0.218	0.0211	U		0.218	0.0211	U		0.218	0.0211
71-43-2	Benzene	0.295		0.128	0.00815	0.135		0.128	0.00815	0.660		0.128	0.00815
56-23-5	Carbon Tetrachloride	0.396		0.252	0.0121	0.377		0.252	0.0121	0.378		0.252	0.0121
110-82-7	Cyclohexane	0.187		0.138	0.0118	U		0.138	0.0118	0.244		0.138	0.0118
78-87-5	1,2-Dichloropropane	U		0.185	0.0126	U		0.185	0.0126	U		0.185	0.0126
123-91-1	1,4-Dioxane	U		0.144	0.0253	U		0.144	0.0253	U		0.144	0.0253
79-01-6	Trichloroethene	U		0.215	0.0225	U		0.215	0.0225	U		0.215	0.0225
142-82-5	Heptane	0.604		0.164	0.0121	0.946		0.164	0.0121	0.808		0.164	0.0121
10061-01-5	cis-1,3-Dichloropropene	U		0.182	0.00920	U		0.182	0.00920	U		0.182	0.00920
108-10-1	Methyl Isobutyl Ketone	0.174		0.164	0.0153	U		0.164	0.0153	1.41		0.164	0.0153
10061-02-6	trans-1,3-Dichloropropene	U		0.182	0.0225	U		0.182	0.0225	U		0.182	0.0225
79-00-5	1,1,2-Trichloroethane	U		0.218	0.0114	U		0.218	0.0114	U		0.218	0.0114
108-88-3	Toluene	6.20		0.151	0.0159	1.55		0.151	0.0159	3.44		0.151	0.0159
591-78-6	2-Hexanone	0.713		0.164	0.0112	U		0.164	0.0112	U		0.164	0.0112
124-48-1	Dibromochloromethane	U		0.341	0.0241	U		0.341	0.0241	U		0.341	0.0241
106-93-4	1,2-Dibromoethane	U		0.307	0.0150	U		0.307	0.0150	U		0.307	0.0150
127-18-4	Tetrachloroethene	U		0.271	0.0276	0.282		0.271	0.0276	0.272		0.271	0.0276
108-90-7	Chlorobenzene	U		0.184	0.0109	U		0.184	0.0109	U		0.184	0.0109
100-41-4	Ethylbenzene	0.223		0.174	0.0102	0.209		0.174	0.0102	0.264		0.174	0.0102
179601-23-1	m&p-Xylene	0.936		0.174	0.0342	1.12		0.174	0.0342	1.20		0.174	0.0342
75-25-2	Bromoform	U		0.413	0.0164	U		0.413	0.0164	U		0.413	0.0164
100-42-5	Styrene	U		0.170	0.0206	U		0.170	0.0206	U		0.170	0.0206
79-34-5	1,1,2,2-Tetrachloroethane	U		0.275	0.0174	U		0.275	0.0174	U		0.275	0.0174
95-47-6	o-Xylene	0.198		0.174	0.0164	0.174		0.174	0.0164	0.257		0.174	0.0164
622-96-8	p-Ethyltoluene	U		0.197	0.0205	U		0.197	0.0205	U		0.197	0.0205
108-67-8	1,3,5-Trimethylbenzene	U		0.197	0.0176	U		0.197	0.0176	U		0.197	0.0176
95-63-6	1,2,4-Trimethylbenzene	U		0.197	0.0124	U		0.197	0.0124	U		0.197	0.0124
541-73-1	1,3-Dichlorobenzene	U		0.240	0.0451	U		0.240	0.0451	U		0.240	0.0451
106-46-7	1,4-Dichlorobenzene	U		0.240	0.0533	U		0.240	0.0533	U		0.240	0.0533
95-50-1	1,2-Dichlorobenzene	U		0.240	0.0428	U		0.240	0.0428	U		0.240	0.0428
91-20-3	Naphthalene	2.59	J	0.210	0.0925	3.16	J	0.210	0.0925	2.62	J	0.210	0.0925

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.1b (Cont) Results of the Analysis for VOC (ug/m3) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308002-06	L308002-07	L308002-01
Sample Number	S-006	S-007	S-001
Sample Location	Loc03-K01	Loc04-K02	Loc01-GC
Sublocation			
Date Analyzed	8/27/2023	8/27/2023	8/27/2023
Matrix	Air	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ug/m3		*RL* ug/m3	*MDL* ug/m3	Result ug/m3		*RL* ug/m3	*MDL* ug/m3	Result ug/m3		*RL* ug/m3	*MDL* ug/m3
115-07-1	Propylene	1.20		1.72	0.155	1.33		1.73	0.155	1.04		1.73	0.155
75-71-8	Dichlorodifluoromethane	2.35		0.198	0.00978	2.19		0.199	0.00981	2.25		0.198	0.00980
74-87-3	Chloromethane	1.41		0.0826	0.0184	1.31		0.0829	0.0185	1.44		0.0828	0.0185
1320-37-2	Dichlorotetrafluoroethane	U		0.280	0.0276	U		0.281	0.0277	0.289		0.280	0.0276
75-01-4	Vinyl Chloride	U		0.102	0.0251	U		0.103	0.0252	U		0.102	0.0251
106-99-0	1,3-Butadiene	U		0.0885	0.0296	U		0.0888	0.0297	U		0.0887	0.0297
74-83-9	Bromomethane	U		0.155	0.0265	U		0.156	0.0266	U		0.156	0.0266
75-00-3	Chloroethane	U		0.106	0.0108	U		0.106	0.0109	U		0.106	0.0109
107-02-8	Acetone	12.2		2.38	0.550	11.7		2.38	0.552	12.8		2.38	0.551
75-69-4	Trichlorofluoromethane	1.18		0.225	0.0265	1.18		0.226	0.0266	1.25		0.225	0.0266
67-63-0	Isopropyl Alcohol	3.36		2.46	0.130	2.56		2.47	0.130	4.74		2.46	0.130
75-35-4	1,1-Dichloroethene	U		0.159	0.0178	U		0.159	0.0178	U		0.159	0.0178
75-09-2	Methylene Chloride	0.236		0.139	0.0383	0.253		0.139	0.0384	0.357		0.139	0.0384
26523-64-8	Trichlorotrifluoroethane	0.518		0.307	0.0354	0.578		0.308	0.0355	0.668		0.307	0.0355
156-60-5	trans-1,2-Dichloroethene	U		0.159	0.0143	U		0.159	0.0143	U		0.159	0.0143
75-34-3	1,1-Dichloroethane	U		0.162	0.0154	U		0.162	0.0155	U		0.162	0.0155
1634-04-4	MTBE	U		0.144	0.0114	U		0.145	0.0114	U		0.145	0.0114
108-05-4	Vinyl Acetate	0.735		0.141	0.0224	0.543		0.141	0.0225	0.863		0.141	0.0225
78-93-3	2-Butanone	1.24		2.95	0.102	1.07		2.96	0.103	1.16		2.96	0.103
156-59-2	cis-1,2-Dichloroethene	U		0.159	0.0140	U		0.159	0.0140	U		0.159	0.0140
141-78-6	Ethyl Acetate	0.487		0.144	0.0172	0.589		0.145	0.0172	1.54		0.144	0.0172
110-54-3	Hexane	0.189		3.52	0.190	0.245		3.54	0.191	0.572		3.53	0.190
67-66-3	Chloroform	U		0.195	0.0119	U		0.196	0.0120	U		0.196	0.0120
109-99-9	Tetrahydrofuran	5.88		0.118	0.0250	21.8		0.118	0.0251	8.90		0.118	0.0250
107-06-2	1,2-Dichloroethane	U		0.162	0.00795	0.201		0.162	0.00798	0.269		0.162	0.00797
71-55-6	1,1,1-Trichloroethane	U		0.218	0.0211	U		0.219	0.0212	U		0.219	0.0211
71-43-2	Benzene	1.14		0.128	0.00815	0.580		0.128	0.00818	0.377		0.128	0.00817
56-23-5	Carbon Tetrachloride	0.381		0.252	0.0121	0.469		0.253	0.0122	0.510		0.252	0.0121
110-82-7	Cyclohexane	U		0.138	0.0118	0.148		0.138	0.0118	0.286		0.138	0.0118
78-87-5	1,2-Dichloropropane	U		0.185	0.0126	U		0.185	0.0127	U		0.185	0.0127
123-91-1	1,4-Dioxane	U		0.144	0.0253	U		0.145	0.0254	0.303		0.144	0.0253
79-01-6	Trichloroethene	U		0.215	0.0225	U		0.216	0.0226	U		0.215	0.0226
142-82-5	Heptane	0.777		0.164	0.0121	0.802		0.165	0.0121	1.09		0.164	0.0121
10061-01-5	cis-1,3-Dichloropropene	U		0.182	0.00920	U		0.182	0.00923	U		0.182	0.00922
108-10-1	Methyl Isobutyl Ketone	0.196		0.164	0.0153	0.179		0.164	0.0153	0.332		0.164	0.0153
10061-02-6	trans-1,3-Dichloropropene	U		0.182	0.0225	U		0.182	0.0225	U		0.182	0.0225
79-00-5	1,1,2-Trichloroethane	U		0.218	0.0114	U		0.219	0.0115	U		0.219	0.0114
108-88-3	Toluene	1.76		0.151	0.0159	1.69		0.151	0.0160	3.17		0.151	0.0160
591-78-6	2-Hexanone	U		0.164	0.0112	U		0.164	0.0112	U		0.164	0.0112
124-48-1	Dibromochloromethane	U		0.341	0.0241	U		0.342	0.0241	U		0.342	0.0241
106-93-4	1,2-Dibromoethane	U		0.307	0.0150	U		0.308	0.0151	U		0.308	0.0150
127-18-4	Tetrachloroethene	U		0.271	0.0276	0.415		0.272	0.0277	0.471		0.272	0.0276
108-90-7	Chlorobenzene	U		0.184	0.0109	0.224		0.185	0.0109	0.249		0.185	0.0109
100-41-4	Ethylbenzene	0.284		0.174	0.0102	0.381		0.174	0.0102	0.425		0.174	0.0102
179601-23-1	m&p-Xylene	1.08		0.174	0.0342	1.28		0.174	0.0344	1.79		0.174	0.0343
75-25-2	Bromoform	U		0.413	0.0164	U		0.415	0.0164	U		0.414	0.0164
100-42-5	Styrene	U		0.170	0.0206	U		0.171	0.0207	0.184		0.171	0.0207
79-34-5	1,1,2,2-Tetrachloroethane	U		0.275	0.0174	U		0.276	0.0175	U		0.275	0.0174
95-47-6	o-Xylene	0.221		0.174	0.0164	0.339		0.174	0.0164	0.394		0.174	0.0164
622-96-8	p-Ethyltoluene	U		0.197	0.0205	U		0.197	0.0205	U		0.197	0.0205
108-67-8	1,3,5-Trimethylbenzene	U		0.197	0.0176	U		0.197	0.0176	U		0.197	0.0176
95-63-6	1,2,4-Trimethylbenzene	U		0.197	0.0124	0.216		0.197	0.0124	0.231		0.197	0.0124
541-73-1	1,3-Dichlorobenzene	U		0.240	0.0451	U		0.241	0.0452	0.254		0.241	0.0452
106-46-7	1,4-Dichlorobenzene	U		0.240	0.0533	U		0.241	0.0535	U		0.241	0.0534
95-50-1	1,2-Dichlorobenzene	U		0.240	0.0428	U		0.241	0.0430	U		0.241	0.0429
91-20-3	Naphthalene	2.50	J	0.210	0.0925	2.11	J	0.210	0.0928	3.14	J	0.210	0.0927

Environmental Response Team/ Response Engineering and Analytical Contract
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Table 1.1b (Cont) Results of the Analysis for VOC (ug/m3) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	Method Blank 8/29/2023	L308003-01	L308003-02
Sample Number	PS-Method Blank 8/29/2023	S-008	S-009
Sample Location		Loc05-ES	Loc07-CP3
Sublocation			
Date Analyzed	8/29/2023	8/29/2023	8/29/2023
Matrix	Blank	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ug/m3	*RL* ug/m3	*MDL* ug/m3	Result ug/m3	*RL* ug/m3	*MDL* ug/m3	Result ug/m3	*RL* ug/m3	*MDL* ug/m3
115-07-1	Propylene	U	0.861	0.0773	0.351	0.861	0.0773	0.279	0.861	0.0773
75-71-8	Dichlorodifluoromethane	U	0.0989	0.00489	1.02	0.0989	0.00489	1.07	0.0989	0.00489
74-87-3	Chloromethane	U	0.0413	0.00922	0.625	0.0413	0.00922	0.651	0.0413	0.00922
1320-37-2	Dichlorotetrafluoroethane	U	0.140	0.0138	U	0.140	0.0138	U	0.140	0.0138
75-01-4	Vinyl Chloride	U	0.0511	0.0125	U	0.0511	0.0125	U	0.0511	0.0125
106-99-0	1,3-Butadiene	U	0.0442	0.0148	U	0.0442	0.0148	U	0.0442	0.0148
74-83-9	Bromomethane	U	0.0777	0.0133	U	0.0777	0.0133	U	0.0777	0.0133
75-00-3	Chloroethane	U	0.0528	0.00542	U	0.0528	0.00542	U	0.0528	0.00542
107-02-8	Acetone	U	1.19	0.275	4.91	1.19	0.275	5.06	1.19	0.275
75-69-4	Trichlorofluoromethane	U	0.112	0.0133	0.534	0.112	0.0133	0.576	0.112	0.0133
67-63-0	Isopropyl Alcohol	U	1.23	0.0648	0.430	1.23	0.0648	0.728	1.23	0.0648
75-35-4	1,1-Dichloroethene	U	0.0793	0.00889	U	0.0793	0.00889	U	0.0793	0.00889
75-09-2	Methylene Chloride	U	0.0695	0.0191	0.127	0.0695	0.0191	0.131	0.0695	0.0191
26523-64-8	Trichlorotrifluoroethane	U	0.153	0.0177	0.226	0.153	0.0177	0.237	0.153	0.0177
156-60-5	trans-1,2-Dichloroethene	U	0.0793	0.00713	U	0.0793	0.00713	U	0.0793	0.00713
75-34-3	1,1-Dichloroethane	U	0.0809	0.00771	U	0.0809	0.00771	U	0.0809	0.00771
1634-04-4	MTBE	U	0.0721	0.00568	U	0.0721	0.00568	U	0.0721	0.00568
108-05-4	Vinyl Acetate	U	0.0704	0.0112	0.377	0.0704	0.0112	0.179	0.0704	0.0112
78-93-3	2-Butanone	U	1.47	0.0511	0.477	1.47	0.0511	0.316	1.47	0.0511
156-59-2	cis-1,2-Dichloroethene	U	0.0793	0.00698	U	0.0793	0.00698	U	0.0793	0.00698
141-78-6	Ethyl Acetate	U	0.0721	0.00858	0.914	0.0721	0.00858	0.259	0.0721	0.00858
110-54-3	Hexane	U	1.76	0.0950	0.937	1.76	0.0950	0.327	1.76	0.0950
67-66-3	Chloroform	U	0.0977	0.00596	U	0.0977	0.00596	U	0.0977	0.00596
109-99-9	Tetrahydrofuran	U	0.0590	0.0125	1.66	0.0590	0.0125	7.34	0.0590	0.0125
107-06-2	1,2-Dichloroethane	U	0.0809	0.00398	U	0.0809	0.00398	U	0.0809	0.00398
71-55-6	1,1,1-Trichloroethane	U	0.109	0.0105	U	0.109	0.0105	U	0.109	0.0105
71-43-2	Benzene	U	0.0639	0.00407	0.179	0.0639	0.00407	0.0849	0.0639	0.00407
56-23-5	Carbon Tetrachloride	U	0.126	0.00606	0.188	0.126	0.00606	0.185	0.126	0.00606
110-82-7	Cyclohexane	U	0.0688	0.00590	0.0791	0.0688	0.00590	U	0.0688	0.00590
78-87-5	1,2-Dichloropropane	U	0.0924	0.00632	U	0.0924	0.00632	U	0.0924	0.00632
123-91-1	1,4-Dioxane	U	0.0721	0.0126	U	0.0721	0.0126	U	0.0721	0.0126
79-01-6	Trichloroethene	U	0.107	0.0113	U	0.107	0.0113	U	0.107	0.0113
142-82-5	Heptane	U	0.0820	0.00605	0.178	0.0820	0.00605	0.196	0.0820	0.00605
10061-01-5	cis-1,3-Dichloropropene	U	0.0908	0.00460	U	0.0908	0.00460	U	0.0908	0.00460
108-10-1	Methyl Isobutyl Ketone	U	0.0819	0.00764	U	0.0819	0.00764	0.0852	0.0819	0.00764
10061-02-6	trans-1,3-Dichloropropene	U	0.0908	0.0112	U	0.0908	0.0112	U	0.0908	0.0112
79-00-5	1,1,2-Trichloroethane	U	0.109	0.00571	U	0.109	0.00571	U	0.109	0.00571
108-88-3	Toluene	U	0.0754	0.00797	2.82	0.0754	0.00797	U	0.532	0.00797
591-78-6	2-Hexanone	U	0.0819	0.00559	0.119	0.0819	0.00559	U	0.0819	0.00559
124-48-1	Dibromochloromethane	U	0.170	0.0120	U	0.170	0.0120	U	0.170	0.0120
106-93-4	1,2-Dibromoethane	U	0.154	0.00750	U	0.154	0.00750	U	0.154	0.00750
127-18-4	Tetrachloroethene	U	0.136	0.0138	U	0.136	0.0138	U	0.136	0.0138
108-90-7	Chlorobenzene	U	0.0921	0.00544	U	0.0921	0.00544	U	0.0921	0.00544
100-41-4	Ethylbenzene	U	0.0868	0.00508	0.170	0.0868	0.00508	U	0.0868	0.00508
179601-23-1	m&p-Xylene	U	0.0868	0.0171	0.650 J+	0.0868	0.0171	U	0.326	0.0171
75-25-2	Bromoform	U	0.207	0.00819	U	0.207	0.00819	U	0.207	0.00819
100-42-5	Styrene	U	0.0852	0.0103	U	0.0852	0.0103	U	0.0852	0.0103
79-34-5	1,1,2,2-Tetrachloroethane	U	0.137	0.00870	U	0.137	0.00870	U	0.137	0.00870
95-47-6	o-Xylene	U	0.0868	0.00818	0.207	0.0868	0.00818	U	0.0868	0.00818
622-96-8	p-Ethyltoluene	U	0.0983	0.0102	U	0.0983	0.0102	U	0.0983	0.0102
108-67-8	1,3,5-Trimethylbenzene	U	0.0983	0.00878	U	0.0983	0.00878	U	0.0983	0.00878
95-63-6	1,2,4-Trimethylbenzene	U	0.0983	0.00619	0.157	0.0983	0.00619	U	0.0983	0.00619
541-73-1	1,3-Dichlorobenzene	U	0.120	0.0225	U	0.120	0.0225	U	0.120	0.0225
106-46-7	1,4-Dichlorobenzene	U	0.120	0.0266	U	0.120	0.0266	U	0.120	0.0266
95-50-1	1,2-Dichlorobenzene	U	0.120	0.0214	U	0.120	0.0214	U	0.120	0.0214
91-20-3	Naphthalene	U	0.105	0.0462	U	0.105	0.0462	0.458	0.105	0.0462

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.1b (Cont) Results of the Analysis for VOC (ug/m3) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308003-03	L308003-04	L308003-05
Sample Number	S-010	S-011	S-012
Sample Location	Loc08-KK	Loc09-BG	Loc10-CP16
Sublocation			
Date Analyzed	8/29/2023	8/29/2023	8/29/2023
Matrix	Air	Air	Air
Test Type	Initial	Initial	Initial
Total or Dissolved	N	N	N

CAS No	Analyte	Result ug/m3	*RL* ug/m3	*MDL* ug/m3	Result ug/m3	*RL* ug/m3	*MDL* ug/m3	Result ug/m3	*RL* ug/m3	*MDL* ug/m3
115-07-1	Propylene	0.251	0.861	0.0773	0.200	0.861	0.0773	U	0.861	0.0773
75-71-8	Dichlorodifluoromethane	1.05	0.0989	0.00489	1.09	0.0989	0.00489	U	0.0989	0.00489
74-87-3	Chloromethane	0.751	0.0413	0.00922	0.628	0.0413	0.00922	U	0.0413	0.00922
1320-37-2	Dichlorotetrafluoroethane	U	0.140	0.0138	U	0.140	0.0138	U	0.140	0.0138
75-01-4	Vinyl Chloride	U	0.0511	0.0125	U	0.0511	0.0125	U	0.0511	0.0125
106-99-0	1,3-Butadiene	U	0.0442	0.0148	U	0.0442	0.0148	U	0.0442	0.0148
74-83-9	Bromomethane	U	0.0777	0.0133	U	0.0777	0.0133	U	0.0777	0.0133
75-00-3	Chloroethane	U	0.0528	0.00542	U	0.0528	0.00542	U	0.0528	0.00542
107-02-8	Acetone	5.94	1.19	0.275	4.68	1.19	0.275	4.53	1.19	0.275
75-69-4	Trichlorofluoromethane	0.523	0.112	0.0133	0.548	0.112	0.0133	0.567	0.112	0.0133
67-63-0	Isopropyl Alcohol	0.680	1.23	0.0648	1.11	1.23	0.0648	1.31	1.23	0.0648
75-35-4	1,1-Dichloroethene	U	0.0793	0.00889	U	0.0793	0.00889	U	0.0793	0.00889
75-09-2	Methylene Chloride	0.127	0.0695	0.0191	0.130	0.0695	0.0191	0.125	0.0695	0.0191
26523-64-8	Trichlorotrifluoroethane	0.223	0.153	0.0177	0.228	0.153	0.0177	0.240	0.153	0.0177
156-60-5	trans-1,2-Dichloroethene	U	0.0793	0.00713	U	0.0793	0.00713	U	0.0793	0.00713
75-34-3	1,1-Dichloroethane	U	0.0809	0.00771	U	0.0809	0.00771	U	0.0809	0.00771
1634-04-4	MTBE	U	0.0721	0.00568	U	0.0721	0.00568	U	0.0721	0.00568
108-05-4	Vinyl Acetate	0.249	0.0704	0.0112	0.211	0.0704	0.0112	0.199	0.0704	0.0112
78-93-3	2-Butanone	0.454	1.47	0.0511	0.447	1.47	0.0511	0.463	1.47	0.0511
156-59-2	cis-1,2-Dichloroethene	U	0.0793	0.00698	U	0.0793	0.00698	U	0.0793	0.00698
141-78-6	Ethyl Acetate	0.267	0.0721	0.00858	0.310	0.0721	0.00858	0.291	0.0721	0.00858
110-54-3	Hexane	0.391	1.76	0.0950	0.402	1.76	0.0950	0.372	1.76	0.0950
67-66-3	Chloroform	U	0.0977	0.00596	U	0.0977	0.00596	U	0.0977	0.00596
109-99-9	Tetrahydrofuran	5.02	0.0590	0.0125	5.91	0.0590	0.0125	3.95	0.0590	0.0125
107-06-2	1,2-Dichloroethane	U	0.0809	0.00398	U	0.0809	0.00398	U	0.0809	0.00398
71-55-6	1,1,1-Trichloroethane	U	0.109	0.0105	U	0.109	0.0105	U	0.109	0.0105
71-43-2	Benzene	0.166	0.0639	0.00407	0.0867	0.0639	0.00407	0.0843	0.0639	0.00407
56-23-5	Carbon Tetrachloride	0.178	0.126	0.00606	0.188	0.126	0.00606	0.175	0.126	0.00606
110-82-7	Cyclohexane	U	0.0688	0.00590	U	0.0688	0.00590	U	0.0688	0.00590
78-87-5	1,2-Dichloropropane	U	0.0924	0.00632	U	0.0924	0.00632	U	0.0924	0.00632
123-91-1	1,4-Dioxane	U	0.0721	0.0126	U	0.0721	0.0126	U	0.0721	0.0126
79-01-6	Trichloroethene	U	0.107	0.0113	U	0.107	0.0113	U	0.107	0.0113
142-82-5	Heptane	0.248	0.0820	0.00605	0.319	0.0820	0.00605	0.295	0.0820	0.00605
10061-01-5	cis-1,3-Dichloropropene	U	0.0908	0.00460	U	0.0908	0.00460	U	0.0908	0.00460
108-10-1	Methyl Isobutyl Ketone	0.192	0.0819	0.00764	U	0.0819	0.00764	U	0.0819	0.00764
10061-02-6	trans-1,3-Dichloropropene	U	0.0908	0.0112	U	0.0908	0.0112	U	0.0908	0.0112
79-00-5	1,1,2-Trichloroethane	U	0.109	0.00571	U	0.109	0.00571	U	0.109	0.00571
108-88-3	Toluene	0.789 J+	0.0754	0.00797	0.595 J+	0.0754	0.00797	0.592 J+	0.0754	0.00797
591-78-6	2-Hexanone	U	0.0819	0.00559	U	0.0819	0.00559	U	0.0819	0.00559
124-48-1	Dibromochloromethane	U	0.170	0.0120	U	0.170	0.0120	U	0.170	0.0120
106-93-4	1,2-Dibromoethane	U	0.154	0.00750	U	0.154	0.00750	U	0.154	0.00750
127-18-4	Tetrachloroethene	U	0.136	0.0138	U	0.136	0.0138	U	0.136	0.0138
108-90-7	Chlorobenzene	U	0.0921	0.00544	U	0.0921	0.00544	U	0.0921	0.00544
100-41-4	Ethylbenzene	0.124	0.0868	0.00508	0.0931	0.0868	0.00508	0.0890	0.0868	0.00508
179601-23-1	m&p-Xylene	0.484 J+	0.0868	0.0171	0.494 J+	0.0868	0.0171	0.498 J+	0.0868	0.0171
75-25-2	Bromoform	U	0.207	0.00819	U	0.207	0.00819	U	0.207	0.00819
100-42-5	Styrene	U	0.0852	0.0103	U	0.0852	0.0103	U	0.0852	0.0103
79-34-5	1,1,2,2-Tetrachloroethane	U	0.137	0.00870	U	0.137	0.00870	U	0.137	0.00870
95-47-6	o-Xylene	0.139	0.0868	0.00818	U	0.0868	0.00818	U	0.0868	0.00818
622-96-8	p-Ethyltoluene	U	0.0983	0.0102	U	0.0983	0.0102	U	0.0983	0.0102
108-67-8	1,3,5-Trimethylbenzene	U	0.0983	0.00878	U	0.0983	0.00878	U	0.0983	0.00878
95-63-6	1,2,4-Trimethylbenzene	U	0.0983	0.00619	U	0.0983	0.00619	U	0.0983	0.00619
541-73-1	1,3-Dichlorobenzene	U	0.120	0.0225	U	0.120	0.0225	U	0.120	0.0225
106-46-7	1,4-Dichlorobenzene	U	0.120	0.0266	U	0.120	0.0266	U	0.120	0.0266
95-50-1	1,2-Dichlorobenzene	U	0.120	0.0214	U	0.120	0.0214	U	0.120	0.0214
91-20-3	Naphthalene	0.468	0.105	0.0462	1.45	0.105	0.0462	1.58	0.105	0.0462

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.1b (Cont) Results of the Analysis for VOC (ug/m3) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Method: TO-15
Lab Name: ERT/REAC

Lab Sample Number	L308003-06
Sample Number	TB-002
Sample Location	Trip Blank
Sublocation	
Date Analyzed	8/29/2023
Matrix	Air
Test Type	Initial
Total or Dissolved	N

CAS No	Analyte	Result ug/m3	*RL* ug/m3	*MDL* ug/m3
115-07-1	Propylene	U	0.861	0.0773
75-71-8	Dichlorodifluoromethane	U	0.0989	0.00489
74-87-3	Chloromethane	U	0.0413	0.00922
1320-37-2	Dichlorotetrafluoroethane	U	0.140	0.0138
75-01-4	Vinyl Chloride	U	0.0511	0.0125
106-99-0	1,3-Butadiene	U	0.0442	0.0148
74-83-9	Bromomethane	U	0.0777	0.0133
75-00-3	Chloroethane	U	0.0528	0.00542
107-02-8	Acetone	U	1.19	0.275
75-69-4	Trichlorofluoromethane	U	0.112	0.0133
67-63-0	Isopropyl Alcohol	U	1.23	0.0648
75-35-4	1,1-Dichloroethene	U	0.0793	0.00889
75-09-2	Methylene Chloride	U	0.0695	0.0191
26523-64-8	Trichlorotrifluoroethane	U	0.153	0.0177
156-60-5	trans-1,2-Dichloroethene	U	0.0793	0.00713
75-34-3	1,1-Dichloroethane	U	0.0809	0.00771
1634-04-4	MTBE	U	0.0721	0.00568
108-05-4	Vinyl Acetate	U	0.0704	0.0112
78-93-3	2-Butanone	U	1.47	0.0511
156-59-2	cis-1,2-Dichloroethene	U	0.0793	0.00698
141-78-6	Ethyl Acetate	U	0.0721	0.00858
110-54-3	Hexane	U	1.76	0.0950
67-66-3	Chloroform	U	0.0977	0.00596
109-99-9	Tetrahydrofuran	U	0.0590	0.0125
107-06-2	1,2-Dichloroethane	U	0.0809	0.00398
71-55-6	1,1,1-Trichloroethane	U	0.109	0.0105
71-43-2	Benzene	U	0.0639	0.00407
56-23-5	Carbon Tetrachloride	U	0.126	0.00606
110-82-7	Cyclohexane	U	0.0688	0.00590
78-87-5	1,2-Dichloropropane	U	0.0924	0.00632
123-91-1	1,4-Dioxane	U	0.0721	0.0126
79-01-6	Trichloroethene	U	0.107	0.0113
142-82-5	Heptane	U	0.0820	0.00605
10061-01-5	cis-1,3-Dichloropropene	U	0.0908	0.00460
108-10-1	Methyl Isobutyl Ketone	U	0.0819	0.00764
10061-02-6	trans-1,3-Dichloropropene	U	0.0908	0.0112
79-00-5	1,1,2-Trichloroethane	U	0.109	0.00571
108-88-3	Toluene	0.118	0.0754	0.00797
591-78-6	2-Hexanone	U	0.0819	0.00559
124-48-1	Dibromochloromethane	U	0.170	0.0120
106-93-4	1,2-Dibromoethane	U	0.154	0.00750
127-18-4	Tetrachloroethene	U	0.136	0.0138
108-90-7	Chlorobenzene	U	0.0921	0.00544
100-41-4	Ethylbenzene	U	0.0868	0.00508
179601-23-1	m&p-Xylene	0.0895	0.0868	0.0171
75-25-2	Bromoform	U	0.207	0.00819
100-42-5	Styrene	U	0.0852	0.0103
79-34-5	1,1,2,2-Tetrachloroethane	U	0.137	0.00870
95-47-6	o-Xylene	U	0.0868	0.00818
622-96-8	p-Ethyltoluene	U	0.0983	0.0102
108-67-8	1,3,5-Trimethylbenzene	U	0.0983	0.00878
95-63-6	1,2,4-Trimethylbenzene	U	0.0983	0.00619
541-73-1	1,3-Dichlorobenzene	U	0.120	0.0225
106-46-7	1,4-Dichlorobenzene	U	0.120	0.0266
95-50-1	1,2-Dichlorobenzene	U	0.120	0.0214
91-20-3	Naphthalene	U	0.105	0.0462

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 1.2 Results of the TIC Analysis for VOC (ppbv) in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Sample Number	CAS No	Compound Name	Q	Retention Time, mins	Concentration*, ppbv
Method Blank 08/29/23		No TICs Detected			
S-008	124-18-5	Decane	94	16.784	0.0935
	1120-21-4	Undecane	96	18.514	0.168
	112-40-3	Dodecane	94	20.113	0.471
	629-50-5	Tridecane	95	21.597	0.203
S-009	592-27-8	2-Methylheptane	91	12.005	0.0602
	589-81-1	3-Methylheptane	90	12.190	0.0518
	111-65-9	Octane	94	12.774	0.261
	111-84-2	Nonane	91	14.886	0.0694
S-010	592-27-8	2-Methylheptane	94	12.004	0.0613
	589-81-1	3-Methylheptane	91	12.19	0.0584
	111-65-9	Octane	94	12.768	0.275
	111-84-2	Nonane	94	14.885	0.0743
S-011	592-27-8	2-Methylheptane	97	12.01	0.110
	589-81-1	3-Methylheptane	91	12.190	0.0930
	638-04-0	cis-1,3-Dimethylcyclohexane	91	12.370	0.0556
	111-65-9	Octane	94	12.768	0.494
	111-84-2	Nonane	94	14.886	0.115
	100-52-7	Benzaldehyde	91	15.72	0.0509
S-012	592-27-8	2-Methylheptane	95	12.005	0.0956
	589-81-1	3-Methylheptane	91	12.190	0.0867
	638-04-0	cis-1,3-Dimethylcyclohexane	95	12.370	0.0592
	111-65-9	Octane	94	12.774	0.485
	111-84-2	Nonane	94	14.886	0.126
TB-002		No TICs Detected			

*Response Factor = 1.0, all TIC concentrations are estimated (J)

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 2.1 Results of the LCS Analysis for VOC in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Sample ID: LCS 082723

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Propylene	1.05	1.03	98.1	84 - 127
Dichlorodifluoromethane	1.03	0.986	95.7	80 - 110
Chloromethane	1.04	0.958	92.1	55 - 164
Dichlorotetrafluoroethane	0.970	0.909	93.7	59 - 156
Vinyl Chloride	1.03	0.965	93.7	60 - 152
1,3-Butadiene	1.01	0.837	82.9	51 - 141
Bromomethane	1.03	0.916	88.9	63 - 131
Chloroethane	1.04	0.918	88.3	57 - 138
Acetone	1.04	1.04	100	75 - 130
Trichlorofluoromethane	1.03	0.961	93.3	64 - 117
Isopropyl Alcohol	1.05	1.00	95.2	79 - 120
1,1-Dichloroethene	1.04	1.06	102	80 - 111
Methylene Chloride	1.04	0.943	90.7	85 - 100
Trichlorotrifluoroethane	1.05	1.04	99.0	53 - 129
trans-1,2-Dichloroethene	1.04	1.08	104	82 - 111
1,1-Dichloroethane	1.07	1.06	99.1	83 - 110
MTBE	1.05	1.12	107	70 - 119
Vinyl Acetate	1.02	1.06	104	71 - 109
2-Butanone	1.04	1.04	100	89 - 114
cis-1,2-Dichloroethene	1.05	1.11	106	84 - 112
Ethyl Acetate	1.03	1.11	108	97 - 118
Hexane	1.04	1.02	98.1	90 - 117
Chloroform	1.05	1.03	98.1	72 - 114
Tetrahydrofuran	1.05	1.14	109	95 - 116
1,2-Dichloroethane	1.05	1.04	99.0	69 - 118
1,1,1-Trichloroethane	1.04	1.00	96.2	76 - 126
Benzene	1.05	1.02	97.1	90 - 121
Carbon Tetrachloride	1.04	0.992	95.4	77 - 124
Cyclohexane	1.05	1.06	101	95 - 118
1,2-Dichloropropane	1.05	1.02	97.1	85 - 136
1,4-Dioxane	1.06	0.949	89.5	63 - 157
Trichloroethene	1.04	1.02	98.1	95 - 112
Heptane	1.04	1.08	104	76 - 162
cis-1,3-Dichloropropene	1.04	1.08	104	90 - 130
Methyl Isobutyl Ketone	1.03	1.03	100	76 - 183
trans-1,3-Dichloropropene	1.06	1.08	102	79 - 127
1,1,2-Trichloroethane	1.03	0.997	96.8	91 - 123
Toluene	1.05	1.08	103	93 - 124
2-Hexanone	1.06	1.05	99.1	64 - 200
Dibromochloromethane	1.04	1.06	102	95 - 121
1,2-Dibromoethane	1.04	1.02	98.1	90 - 122
Tetrachloroethene	1.03	1.00	97.1	87 - 115
Chlorobenzene	1.05	0.983	93.6	87 - 117
Ethylbenzene	1.05	1.10	105	93 - 130
m&p-Xylene	2.10	2.16	103	89 - 134
Bromoform	1.04	1.09	105	93 - 118
Styrene	1.07	1.13	106	88 - 129
1,1,2,2-Tetrachloroethane	0.990	0.998	101	88 - 152
o-Xylene	1.04	1.06	102	88 - 137
p-Ethyltoluene	1.05	1.11	106	93 - 131
1,3,5-Trimethylbenzene	1.05	1.08	103	90 - 130
1,2,4-Trimethylbenzene	1.05	1.09	104	87 - 128
1,3-Dichlorobenzene	1.05	0.938	89.3	72 - 117
1,4-Dichlorobenzene	1.04	0.924	88.8	71 - 116
1,2-Dichlorobenzene	1.03	0.948	92.0	74 - 115
Naphthalene	1.02	0.832	81.6	51 - 119

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 2.1 Results of the LCS Analysis for VOC in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Sample ID: LCS 08/29/23

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Propylene	1.05	1.02	97.1	84 - 127
Dichlorodifluoromethane	1.03	0.956	92.8	80 - 110
Chloromethane	1.04	1.00	96.2	55 - 164
Dichlorotetrafluoroethane	0.970	0.922	95.1	59 - 156
Vinyl Chloride	1.03	1.02	99.0	60 - 152
1,3-Butadiene	1.01	0.927	91.8	51 - 141
Bromomethane	1.03	0.965	93.7	63 - 131
Chloroethane	1.04	1.03	99.0	57 - 138
Acetone	1.04	1.03	99.0	75 - 130
Trichlorofluoromethane	1.03	0.960	93.2	64 - 117
Isopropyl Alcohol	1.05	0.979	93.2	79 - 120
1,1-Dichloroethene	1.04	1.04	100	80 - 111
Methylene Chloride	1.04	0.934	89.8	85 - 100
Trichlorotrifluoroethane	1.05	0.982	93.5	53 - 129
trans-1,2-Dichloroethene	1.04	1.05	101	82 - 111
1,1-Dichloroethane	1.07	1.04	97.2	83 - 110
MTBE	1.05	1.08	103	70 - 119
Vinyl Acetate	1.02	1.06	104	71 - 109
2-Butanone	1.04	1.03	99.0	89 - 114
cis-1,2-Dichloroethene	1.05	1.10	105	84 - 112
Ethyl Acetate	1.03	1.09	106	97 - 118
Hexane	1.04	0.995	95.7	90 - 117
Chloroform	1.05	1.01	96.2	72 - 114
Tetrahydrofuran	1.05	1.12	107	95 - 116
1,2-Dichloroethane	1.05	1.03	98.1	69 - 118
1,1,1-Trichloroethane	1.04	0.997	95.9	76 - 126
Benzene	1.05	1.03	98.1	90 - 121
Carbon Tetrachloride	1.04	0.986	94.8	77 - 124
Cyclohexane	1.05	1.06	101	95 - 118
1,2-Dichloropropane	1.05	1.04	99.0	85 - 136
1,4-Dioxane	1.06	0.885	83.5	63 - 157
Trichloroethene	1.04	1.01	97.1	95 - 112
Heptane	1.04	1.12	108	76 - 162
cis-1,3-Dichloropropene	1.04	1.08	104	90 - 130
Methyl Isobutyl Ketone	1.03	1.04	101	76 - 183
trans-1,3-Dichloropropene	1.06	1.07	101	79 - 127
1,1,2-Trichloroethane	1.03	1.01	98.1	91 - 123
Toluene	1.05	1.08	103	93 - 124
2-Hexanone	1.06	1.07	101	64 - 200
Dibromochloromethane	1.04	1.04	100	95 - 121
1,2-Dibromoethane	1.04	1.02	98.1	90 - 122
Tetrachloroethene	1.03	0.983	95.4	87 - 115
Chlorobenzene	1.05	0.982	93.5	87 - 117
Ethylbenzene	1.05	1.11	106	93 - 130
m&p-Xylene	2.10	2.21	105	89 - 134
Bromoform	1.04	1.07	103	93 - 118
Styrene	1.07	1.14	107	88 - 129
1,1,2,2-Tetrachloroethane	0.990	1.04	105	88 - 152
o-Xylene	1.04	1.10	106	88 - 137
p-Ethyltoluene	1.05	1.13	108	93 - 131
1,3,5-Trimethylbenzene	1.05	1.11	106	90 - 130
1,2,4-Trimethylbenzene	1.05	1.11	106	87 - 128
1,3-Dichlorobenzene	1.05	0.948	90.3	72 - 117
1,4-Dichlorobenzene	1.04	0.933	89.7	71 - 116
1,2-Dichlorobenzene	1.03	0.960	93.2	74 - 115
Naphthalene	1.02	0.825	80.9	51 - 119

Environmental Response Team/ Response Engineering and Analytical Contract
2890 Woodbridge Avenue, Building 209 Annex
Edison, NJ 08837

Table 2.2 Results of the Duplicate Analysis for VOC in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Sample ID: S-005

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limits RPD
Propylene	0.629	0.689	9	≤25
Dichlorodifluoromethane	0.457	0.368	22	≤25
Chloromethane	0.754	0.777	3	≤25
Dichlorotetrafluoroethane	U	U	NC	≤25
Vinyl Chloride	U	U	NC	≤25
1,3-Butadiene	U	U	NC	≤25
Bromomethane	U	U	NC	≤25
Chloroethane	U	U	NC	≤25
Acetone	6.34	6.92	9	≤25
Trichlorofluoromethane	0.213	0.220	3	≤25
Isopropyl Alcohol	1.92	2.04	6	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.0659	0.0721	9	≤25
Trichlorotrifluoroethane	0.0625	0.0699	11	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
MTBE	U	U	NC	≤25
Vinyl Acetate	0.235	0.279	17	≤25
2-Butanone	0.440	0.496	12	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Ethyl Acetate	7.97	8.45	6	≤25
Hexane	0.0803	0.0909	12	≤25
Chloroform	U	U	NC	≤25
Tetrahydrofuran	3.80	4.02	6	≤25
1,2-Dichloroethane	U	0.0409	NC	≤25
1,1,1-Trichloroethane	U	U	NC	≤25
Benzene	0.207	0.223	8	≤25
Carbon Tetrachloride	0.0601	0.0672	11	≤25
Cyclohexane	0.0708	0.0784	10	≤25
1,2-Dichloropropane	U	U	NC	≤25
1,4-Dioxane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Heptane	0.197	0.219	11	≤25
cis-1,3-Dichloropropene	U	U	NC	≤25
Methyl Isobutyl Ketone	0.345	0.365	6	≤25
trans-1,3-Dichloropropene	U	U	NC	≤25
1,1,2-Trichloroethane	U	U	NC	≤25
Toluene	0.912	0.969	6	≤25
2-Hexanone	U	U	NC	≤25
Dibromochloromethane	U	U	NC	≤25
1,2-Dibromoethane	U	U	NC	≤25
Tetrachloroethene	0.0401	0.0446	11	≤25
Chlorobenzene	U	U	NC	≤25
Ethylbenzene	0.0608	0.0662	9	≤25
m&p-Xylene	0.276	0.295	7	≤25
Bromoform	U	U	NC	≤25
Styrene	U	U	NC	≤25
1,1,2,2-Tetrachloroethane	U	U	NC	≤25
o-Xylene	0.0591	0.0638	8	≤25
p-Ethyltoluene	U	U	NC	≤25
1,3,5-Trimethylbenzene	U	U	NC	≤25
1,2,4-Trimethylbenzene	U	U	NC	≤25
1,3-Dichlorobenzene	U	U	NC	≤25
1,4-Dichlorobenzene	U	U	NC	≤25
1,2-Dichlorobenzene	U	U	NC	≤25
Naphthalene	0.500	0.527	5	≤25

Table 2.2 (Cont) Results of the Duplicate Analysis for VOC in Air
TO# 68HERH23F0376 Maui Wildfire Response Site

Sample ID: S-009

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Propylene	0.162	0.167	3	≤25
Dichlorodifluoromethane	0.217	0.219	1	≤25
Chloromethane	0.315	0.311	1	≤25
Dichlorotetrafluoroethane	U	U	NC	≤25
Vinyl Chloride	U	U	NC	≤25
1,3-Butadiene	U	U	NC	≤25
Bromomethane	U	U	NC	≤25
Chloroethane	U	U	NC	≤25
Acetone	2.13	2.22	4	≤25
Trichlorofluoromethane	0.102	0.0996	3	≤25
Isopropyl Alcohol	0.296	0.289	2	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.0377	0.0391	4	≤25
Trichlorotrifluoroethane	0.0310	0.0309	0	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
MTBE	U	U	NC	≤25
Vinyl Acetate	0.0509	0.0504	1	≤25
2-Butanone	0.107	0.110	2	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Ethyl Acetate	0.0718	0.0735	2	≤25
Hexane	0.0928	0.0949	2	≤25
Chloroform	U	U	NC	≤25
Tetrahydrofuran	2.49	2.56	3	≤25
1,2-Dichloroethane	U	U	NC	≤25
1,1,1-Trichloroethane	U	U	NC	≤25
Benzene	0.0266	0.0271	2	≤25
Carbon Tetrachloride	0.0294	0.0298	1	≤25
Cyclohexane	U	U	NC	≤25
1,2-Dichloropropane	U	U	NC	≤25
1,4-Dioxane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Heptane	0.0479	0.0486	1	≤25
cis-1,3-Dichloropropene	U	U	NC	≤25
Methyl Isobutyl Ketone	0.0208	0.0217	4	≤25
trans-1,3-Dichloropropene	U	U	NC	≤25
1,1,2-Trichloroethane	U	U	NC	≤25
Toluene	0.141	0.145	3	≤25
2-Hexanone	U	U	NC	≤25
Dibromochloromethane	U	U	NC	≤25
1,2-Dibromoethane	U	U	NC	≤25
Tetrachloroethene	U	U	NC	≤25
Chlorobenzene	U	U	NC	≤25
Ethylbenzene	U	U	NC	≤25
m&p-Xylene	0.0750	0.0769	3	≤25
Bromoform	U	U	NC	≤25
Styrene	U	U	NC	≤25
1,1,2,2-Tetrachloroethane	U	U	NC	≤25
o-Xylene	U	U	NC	≤25
p-Ethyltoluene	U	U	NC	≤25
1,3,5-Trimethylbenzene	U	U	NC	≤25
1,2,4-Trimethylbenzene	U	U	NC	≤25
1,3-Dichlorobenzene	U	U	NC	≤25
1,4-Dichlorobenzene	U	U	NC	≤25
1,2-Dichlorobenzene	U	U	NC	≤25
Naphthalene	0.0875	0.0935	7	≤25

USEPA
DateShipped: 8/24/2023
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: F0058
Contact Name: Eliel Lucero
Contact Phone: 908-229-3614

No: 9-082423-085338-0007
Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# L308002

Lab #	Sample #	Location	Summa #	OrificeID	Analyses	Matrix	Sample Date	Sample Time	Container	Start Pressure	Stop Pressure	TAT	TAT Units
308002-01	S-001	Loc01-GC	14468	223021	TO15	Air	8/20/2023	15:52	Summa Canister	-29	-3.5	24	Hours
-02	S-002	Loc02-FC	2043	223019	TO15	Air	8/20/23	16:56	Summa Canister	-29	-4.5	24	Hours
-03	S-003	Loc01-GC-DUP	2003	14013	TO15	Air	8/20/23	15:52	Summa Canister	-29	-5.5	24	Hours
-04	S-004	Loc06-ES	1908	223038	TO15	Air	8/23/23	14:50	Summa Canister	-29	-4.5	24	Hours
-05	S-005	Loc06-ES-DUP	2035	14039	TO15	Air	8/23/23	14:50	Summa Canister	-27.5	-4	24	Hours
-06	S-006	Loc03-K01	C10599	14039	TO15	Air	8/23/23	17:10	Summa Canister	-29	-6	24	Hours
-07	S-007	Loc04-K02	1901	223031	TO15	Air	8/23/23	17:34	Summa Canister	-29	-9.5	24	Hours
-08	TB-001	Trip Blank	1931	223034	TO15	Air			Summa Canister	-28		24	Hours

Special Instructions: 24-Hour TAT

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
8	REAC/SERT	8/24/23 12:08 PM	REAC	8/26/23 11:10	Intact

USEPA

DateShipped: 8/28/2023
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD

Site #: F0058
Contact Name: Bhupinder Parmar
Contact Phone:

No: 9-082723-083037-0012

Cooler #:
Lab: ERT/SERAS
Lab Phone: 732-321-4200

WO# L308003

Lab #	Sample #	Location	Summa #	OrificeID	Analyses	Matrix	TAT	Sample Date	Sample Time	Container	Start Pressure	Stop Pressure	TAT	TAT Units
L308003-01	S-008	Loc05-ES	C10584	223020	TO15	Air		8/23/2023	16:02	Summa Canister	-29	-6.5	24	Hours
-02	S-009	Loc07-CP3	14224	14042	TO15	Air		8/25/2023	16:18	Summa Canister	-29.5	-6	24	Hours
-03	S-010	Loc08-KK	C10610	14021	TO15	Air		8/25/2023	16:32	Summa Canister	-29.5	-5	24	Hours
-04	S-011	Loc09-BG	C10594	223027	TO15	Air		8/26/2023	16:29	Summa Canister	-29	-7	24	Hours
-05	S-012	Loc10-CP16	14471	223008	TO15	Air		8/26/2023	17:01	Summa Canister	-29	-6	24	Hours
-06	TB-002	Trip Blank	14396	14003	TO15	Air				Summa Canister	-30		24	Hours

Special Instructions: Please include TICS

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
6	REACERT	8/29/2023 0804		8/29/23 08:04	intact
6		8/29/23 16:27	Bhupinder Parmar	8/29/23 16:30	Intact