

Laboratory Report

Project Name:

Virginia Soil Samples

EAS SDG Number: 221264

Client Project Manager: Arpad Vass

Prepared For: Project Number: 17652

Sample Event Date: 2/24/21

105 Carson Lane Received Date: 7/2/2021

Oak Ridge TN 37830 Report Date: 9/15/2021

Project Number: None Given
PO Number: None Given

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order

Project Sample Media

Laboratory Case Narrative and Chain of Custody

Method Description (when applicable)

Quality Control Reports

Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 221264

Project Number: 17652

Client: Arpad Vass

Received: 7/2/2021

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No	o. Analysis Requested	Date Sampled
MEADOW CREEK SAMPLE	221264 1	EPA TO-15 Special List Headspace	2/24/2021
DUMP SITE 4FT	221264 2	EPA TO-15 Special List Headspace	2/24/2021
MEADOW CREEK DOG ALERT	221264 3	EPA TO-15 Special List Headspace	2/24/2021
DUMPSITE 2-3 FT	221264 4	EPA TO-15 Special List Headspace	2/24/2021

Project Sample Media

SDG Number: 221264

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

		Sample		Pressui	e, torr	Can
SDG Lab ID	Client Sample No.	Media	Batch	Initial	Final	Factor
221264 1	MEADOW CREEK SAMPLE	0				
221264 2	DUMP SITE 4FT	0				
221264 3	MEADOW CREEK DOG ALERT	0				
221264 4	DUMPSITE 2-3 FT	0				

Laboratory Case Narrative

EAS SDG Number: 221264 Project Number: 17652

Client:

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.

Date Approved:

9/15/2021

Steven D. Hoyt, Ph.D. Environmental Analytical Service Laboratory Director

San Luis Obispo, CA 93401 173 Cross Street 805 781-3585

ENVIRONMENTAI Analytical Service, Inc.

CHAIN OF CUSTODY RECORD

Comments Requested TAT COC Number Cooler Temp **Analytical Tests** Airbill Date/Time Laboratory SDG 201064 63 9 P Pressure Pressure Final Project Name \ RGINIA SOL STANDES Quote A - Ambient Air SG - Soil Gas - Indoor Air Flow Reg Matrix Initial S - Source RECEIVED FOR LAB Matrix SAMPLED BY Number S CAK RIOSE TN 37831 Time Number Sample Start Stop Stop Canister 105 (1250) NOT BODWER 865-335-683 ARPAD VAS Stop Date Time 4347 Project Number 1405 BILLING INFORMATION: Sample Description Purchase Order City, State, Zip City, State, Zip REPORT TO: ATTENTION Phone/Fax Company Comments Company Attention Address Address e-mail Page

Quality Control Report

EAS SDG Number 221264 Project Number: 17652

QC Narrative

Samples were anlayzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different then the referrenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater then ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: LABQC

Laboratory ID: B09101

File Name: B09101B.D

Date Sampled:

Time:

Canister:

Description: METHOD BLANK

Date Analyzed:

Time:

11:53

Can Dilution Factor:

1.00

09/10/21

QC_Batch: 091021-MSA

Air Volume:

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
75-71-8	Dichlorodifluoromethane	3.00	5.04	ND	14.83	24.91	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	2.00	5.04	ND	13.97	35.21	ND	
64-17-5	Ethanol	7.00	15.00	ND	13.19	28.27	ND	
75-69-4	Trichlorofluoromethane	2.00	4.80	ND	11.23	26.96	ND	
67-64-1	Acetone	2.00	6.16	4.15	4.75	14.63	9.86	J
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	4.78	ND	7.66	36.62	ND	
75-15-0	Carbon disulfide	2.00	4.64	ND	6.22	14.43	ND	
156-60-5	trans-1,2-Dichloroethene	1.00	3.62	ND	3.96	14.34	ND	
78-93-3	2-Butanone (MEK)	2.00	5.10	ND	5.89	15.03	ND	
110-54-3	Hexane	2.00	3.70	ND	7.05	13.04	ND	
156-59-2	cis-1,2-Dichloroethene	1.00	5.36	ND	3.96	21.23	ND	
67-66-3	Chloroform	1.00	5.02	ND	4.90	24.50	ND	
71-43-2	Benzene	1.40	5.08	ND	4.47	16.22	ND	
56-23-5	Carbon tetrachloride	1.00	4.72	ND	6.29	29.68	ND	
142-82-5	n-Heptane	2.00	3.02	ND	8.19	12.37	ND	
79-01-6	Trichloroethene (TCE)	0.50	4.66	ND	2.69	25.03	ND	
108-88-3	Toluene	2.00	5.22	ND	7.53	19.65	ND	
111-65-9	Octane	2.00	2.72	ND	9.34	12.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.50	2.44	ND	3.39	16.54	ND	
100-41-4	Ethylbenzene	2.00	5.28	ND	8.68	22.92	ND	
1330-20-7	m,p-Xylenes	2.00	5.30	ND	8.68	23.01	ND	
111-84-2	Nonane	2.00	2.38	ND	10.49	12.48	ND	
100-42-5	Styrene	2.00	5.18	ND	8.52	22.06	ND	
95-47-6	o-Xylene	2.00	5.16	ND	8.68	22.40	ND	
611-14-3	2-Ethyltoluene	4.00	8.28	ND	19.65	40.69	ND	
124-18-5	Decane	2.00	2.54	ND	11.63	14.78	ND	
91-20-3	Naphthalene	1.00	1.88	ND	5.24	9.85	ND	•
						QC	Limits	
	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				77	70	130	

METHOD BLANK REPORT



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: LABQC

Laboratory ID: B09101

File Name: B09101B.D

Date Sampled:

Time:

Date Analyzed: 09/10/21

Canister:

Description: METHOD BLANK

Can Dilution Factor: 1.00

Time: 11:53

QC_Batch: 091021-MA1

Air Volume: 50.00

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
463-58-1	Carbonyl Sulfide	2.00	5.00	ND	4.91	12.29	ND	
115-11-7	2-Methylpropene	2.00	5.00	ND	4.59	11.47	ND	
646-04-8	trans-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
627-20-3	cis-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
1717-00-6	1,1-Dichloro-1-fluoroethane	2.00	5.00	ND	9.58	23.95	ND	
75-18-3	Dimethylsulfide	2.00	5.00	ND	5.09	12.72	ND	
107-83-5	2-Methylpentane	2.00	5.00	ND	7.06	17.65	ND	
96-14-0	3-Methyl pentane	2.00	5.00	ND	7.06	17.65	ND	
123-72-8	Butanal	2.00	5.00	ND	5.91	14.77	ND	
534-22-5	2-Methyl furan	2.00	5.00	ND	6.72	16.81	ND	
930-27-8	3-Methyl furan	2.00	5.00	ND	6.72	16.81	ND	
590-86-3	3-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
1730-97-8	2-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
110-62-3	Pentanal	2.00	5.00	ND	7.05	17.64	ND	
624-92-0	Dimethyl Disulfide	2.00	5.00	ND	7.72	19.29	ND	
66-25-1	Hexaldehyde	2.00	5.00	ND	8.20	20.51	ND	
111-71-7	Heptanal	2.00	5.00	ND	9.35	23.38	ND	
3658-80-8	Dimethyl Trisulfide	2.00	5.00	ND	10.34	25.85	ND	
124-13-0	Octanal	2.00	5.00	ND	10.50	26.25	ND	
124-19-6	Nonal	2.00	5.00	ND	11.65	29.13	ND	
1120-21-4	Undecane	2.00	5.00	ND	12.80	32.01	ND	
112-31-2	Decanal	2.00	5.00	ND	12.80	32.00	ND	
						QC	Limits	
	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8		-		94	70	130	

METHOD BLANK REPORT



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: LABQC

Laboratory ID: B09101

File Name: B09101B.D

Description: METHOD BLANK

Date Sampled:

Time:

Date Analyzed: 09/10/21

Time: 13:13

Canister:

Can Dilution Factor: 1.00

ml

QC_Batch: 091021-MA1

Air Volume: 50.00

mount MDL RL Amount	Amount	RL	MDL		
PPBV UG/M3 UG/M3 UG/M3	PPBV	PPBV	PPBV	Compound	CAS#
ND 12.61 36.01 ND	ND	20.00	7.00	Acetaldehyde	75-07-0
ND 12.61 36.01 ND	ND	20.00	7.00	Acetaidenyde	75-07-0

QUALITY CONTROL REPORT



Laboratory Control Spike and Spike Duplicate Report

TO15

Volatile Organic Compounds by GC/MS

QC_Batch: 091021-MA1

Date:

09/10/21

	LCS		LCD		Spike	Limit		Duplicate	
	Recovery		Recovery		LCL	UCL	Duplicate	Limit	
Compound	%	Flag	%	Flag	%	%	%	%	Flag
Vinyl chloride	79		92		70	130	16	25	
1,1-Dichloroethene	102		106		70	130	4	25	
Dichloromethane	96		91		70	130	5	25	
1,1-Dichloroethane	98		100		70	130	1	25	
Chloroform	109		112		70	130	3	25	
1,1,1-Trichloroethane	117		119		70	130	2	25	
1,2-Dichloroethane	122		124		70	130	2	25	
Benzene	89		96		70	130	8	25	
Carbon tetrachloride	123		123		70	130	0	25	
Trichloroethene	102		107		70	130	4	25	
Toluene	110		104		70	130	5	25	
1,2-Dibromoethane	129		129		70	130	0	25	
Tetrachloroethene	110		112		70	130	2	25	
Ethylbenzene	91		106		70	130	15	25	
m,p-Xylenes	92		109		70	130	17	25	
o-Xylene	96		110		70	130	13	25	
1,3,5-Trimethylbenzene	103		115		70	130	11	25	
1,2,4-Trimethylbenzene	109		124		70	130	13	25	
	Vinyl chloride 1,1-Dichloroethene Dichloromethane 1,1-Dichloroethane Chloroform 1,1,1-Trichloroethane 1,2-Dichloroethane Benzene Carbon tetrachloride Trichloroethene Toluene 1,2-Dibromoethane Ethylbenzene ethylbenzene m,p-Xylenes o-Xylene 1,3,5-Trimethylbenzene	Compound % Vinyl chloride 79 1,1-Dichloroethene 102 Dichloromethane 96 1,1-Dichloroethane 98 Chloroform 109 1,1,1-Trichloroethane 117 1,2-Dichloroethane 122 Benzene 89 Carbon tetrachloride 123 Trichloroethene 102 Toluene 110 1,2-Dibromoethane 129 Tetrachloroethene 110 Ethylbenzene 91 m,p-Xylenes 92 o-Xylene 96 1,3,5-Trimethylbenzene 103	Compound % Flag Vinyl chloride 79 1,1-Dichloroethene 102 Dichloromethane 96 1,1-Dichloroethane 98 Chloroform 109 1,1,1-Trichloroethane 117 1,2-Dichloroethane 122 Benzene 89 Carbon tetrachloride 123 Trichloroethene 102 Toluene 110 1,2-Dibromoethane 129 Tetrachloroethene 110 Ethylbenzene 91 m,p-Xylenes 92 92 o-Xylene 96 1,3,5-Trimethylbenzene 103	Compound % Flag % Vinyl chloride 79 92 1,1-Dichloroethene 102 106 Dichloromethane 96 91 1,1-Dichloroethane 98 100 Chloroform 109 112 1,1,1-Trichloroethane 117 119 1,2-Dichloroethane 122 124 Benzene 89 96 Carbon tetrachloride 123 123 Trichloroethene 102 107 Toluene 110 104 1,2-Dibromoethane 129 129 Tetrachloroethene 110 112 Ethylbenzene 91 106 m,p-Xylenes 92 109 o-Xylene 96 110 1,3,5-Trimethylbenzene 103 115	Compound % Flag % Flag Vinyl chloride 79 92 1,1-Dichloroethene 102 106 Dichloromethane 96 91 1 1 1,1-Dichloroethane 98 100 12 1 Chloroform 109 112 1 <td>Compound % Flag % Flag % Vinyl chloride 79 92 70 1,1-Dichloroethene 102 106 70 Dichloromethane 96 91 70 1,1-Dichloroethane 98 100 70 Chloroform 109 112 70 1,1,1-Trichloroethane 117 119 70 1,2-Dichloroethane 122 124 70 Benzene 89 96 70 Carbon tetrachloride 123 123 70 Trichloroethene 102 107 70 Toluene 110 104 70 1,2-Dibromoethane 129 129 70 Tetrachloroethene 110 112 70 Ethylbenzene 91 106 70 m,p-Xylenes 92 109 70 o-Xylene 96 110 70 1,3,5-Trimethylbenzene 103 115</td> <td>Compound % Flag % Flag % Vinyl chloride 79 92 70 130 1,1-Dichloroethene 102 106 70 130 Dichloromethane 96 91 70 130 1,1-Dichloroethane 98 100 70 130 Chloroform 109 112 70 130 1,1,1-Trichloroethane 117 119 70 130 1,2-Dichloroethane 122 124 70 130 Benzene 89 96 70 130 Carbon tetrachloride 123 123 70 130 Trichloroethene 102 107 70 130 Toluene 110 104 70 130 1,2-Dibromoethane 129 129 70 130 Tetrachloroethene 110 112 70 130 Ethylbenzene 91 106 70 130</td> <td>Compound % Flag % Flag % % % Vinyl chloride 79 92 70 130 16 1,1-Dichloroethene 102 106 70 130 4 Dichloromethane 96 91 70 130 5 1,1-Dichloroethane 98 100 70 130 1 Chloroform 109 112 70 130 3 1,1,1-Trichloroethane 117 119 70 130 2 1,2-Dichloroethane 122 124 70 130 2 Benzene 89 96 70 130 8 Carbon tetrachloride 123 123 70 130 0 Trichloroethene 102 107 70 130 4 Toluene 110 104 70 130 5 1,2-Dibromoethane 129 129 70 130 0 <</td> <td>Compound % Flag % Flag % % % % Vinyl chloride 79 92 70 130 16 25 1,1-Dichloroethene 102 106 70 130 4 25 Dichloromethane 96 91 70 130 5 25 1,1-Dichloroethane 98 100 70 130 1 25 Chloroform 109 112 70 130 3 25 Chloroform 109 112 70 130 3 25 1,1,1-Trichloroethane 117 119 70 130 2 25 1,2-Dichloroethane 122 124 70 130 2 25 Benzene 89 96 70 130 8 25 Carbon tetrachloride 123 123 70 130 4 25 Toluene 110 104 70 <t< td=""></t<></td>	Compound % Flag % Flag % Vinyl chloride 79 92 70 1,1-Dichloroethene 102 106 70 Dichloromethane 96 91 70 1,1-Dichloroethane 98 100 70 Chloroform 109 112 70 1,1,1-Trichloroethane 117 119 70 1,2-Dichloroethane 122 124 70 Benzene 89 96 70 Carbon tetrachloride 123 123 70 Trichloroethene 102 107 70 Toluene 110 104 70 1,2-Dibromoethane 129 129 70 Tetrachloroethene 110 112 70 Ethylbenzene 91 106 70 m,p-Xylenes 92 109 70 o-Xylene 96 110 70 1,3,5-Trimethylbenzene 103 115	Compound % Flag % Flag % Vinyl chloride 79 92 70 130 1,1-Dichloroethene 102 106 70 130 Dichloromethane 96 91 70 130 1,1-Dichloroethane 98 100 70 130 Chloroform 109 112 70 130 1,1,1-Trichloroethane 117 119 70 130 1,2-Dichloroethane 122 124 70 130 Benzene 89 96 70 130 Carbon tetrachloride 123 123 70 130 Trichloroethene 102 107 70 130 Toluene 110 104 70 130 1,2-Dibromoethane 129 129 70 130 Tetrachloroethene 110 112 70 130 Ethylbenzene 91 106 70 130	Compound % Flag % Flag % % % Vinyl chloride 79 92 70 130 16 1,1-Dichloroethene 102 106 70 130 4 Dichloromethane 96 91 70 130 5 1,1-Dichloroethane 98 100 70 130 1 Chloroform 109 112 70 130 3 1,1,1-Trichloroethane 117 119 70 130 2 1,2-Dichloroethane 122 124 70 130 2 Benzene 89 96 70 130 8 Carbon tetrachloride 123 123 70 130 0 Trichloroethene 102 107 70 130 4 Toluene 110 104 70 130 5 1,2-Dibromoethane 129 129 70 130 0 <	Compound % Flag % Flag % % % % Vinyl chloride 79 92 70 130 16 25 1,1-Dichloroethene 102 106 70 130 4 25 Dichloromethane 96 91 70 130 5 25 1,1-Dichloroethane 98 100 70 130 1 25 Chloroform 109 112 70 130 3 25 Chloroform 109 112 70 130 3 25 1,1,1-Trichloroethane 117 119 70 130 2 25 1,2-Dichloroethane 122 124 70 130 2 25 Benzene 89 96 70 130 8 25 Carbon tetrachloride 123 123 70 130 4 25 Toluene 110 104 70 <t< td=""></t<>

LCS - Laboratory Control Spike LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number 221264 Project Number: 17652

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual.

The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

- B This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.
- E This compound exceeds the calibration range for this sample volume.
- J The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID: 01

File Name: 2136401A.D

Description: MEADOW CREEK SAMPLE

Date Sampled: Date Analyzed: 02/24/21 Time:

Time:

Canister:

Can Dilution Factor:

09/10/21 1.00 15:59

QC_Batch: 091021-MSA

Air Volume: 50 ml

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
75-71-8	Dichlorodifluoromethane	3.00	5.04	ND	14.83	24.91	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	2.00	5.04	ND	13.97	35.21	ND	
64-17-5	Ethanol	7.00	15.00	ND	13.19	28.27	ND	
75-69-4	Trichlorofluoromethane	2.00	4.80	ND	11.23	26.96	ND	
67-64-1	Acetone	2.00	6.16	386.76	4.75	14.63	918.60	
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	4.78	ND	7.66	36.62	ND	
75-15-0	Carbon disulfide	2.00	4.64	43.47	6.22	14.43	135.24	
156-60-5	trans-1,2-Dichloroethene	1.00	3.62	ND	3.96	14.34	ND	
78-93-3	2-Butanone (MEK)	2.00	5.10	ND	5.89	15.03	ND	
110-54-3	Hexane	2.00	3.70	166.91	7.05	13.04	588.17	
156-59-2	cis-1,2-Dichloroethene	1.00	5.36	ND	3.96	21.23	ND	
67-66-3	Chloroform	1.00	5.02	ND	4.90	24.50	ND	
71-43-2	Benzene	1.40	5.08	2.80	4.47	16.22	8.94	J
56-23-5	Carbon tetrachloride	1.00	4.72	25.17	6.29	29.68	158.24	
142-82-5	n-Heptane	2.00	3.02	ND	8.19	12.37	ND	
79-01-6	Trichloroethene (TCE)	0.50	4.66	ND	2.69	25.03	ND	
108-88-3	Toluene	2.00	5.22	17.59	7.53	19.65	66.21	
111-65-9	Octane	2.00	2.72	ND	9.34	12.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.50	2.44	ND	3.39	16.54	ND	
100-41-4	Ethylbenzene	2.00	5.28	ND	8.68	22.92	ND	
1330-20-7	m,p-Xylenes	2.00	5.30	4.14	8.68	23.01	17.98	J
111-84-2	Nonane	2.00	2.38	ND	10.49	12.48	ND	
100-42-5	Styrene	2.00	5.18	ND	8.52	22.06	ND	
95-47-6	o-Xylene	2.00	5.16	ND	8.68	22.40	ND	
611-14-3	2-Ethyltoluene	4.00	8.28	ND	19.65	40.69	ND	
124-18-5	Decane	2.00	2.54	5.16	11.63	14.78	29.99	
91-20-3	Naphthalene	1.00	1.88	ND	5.24	9.85	ND	
	0 1 5				0/ D	QC	Limits	
	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				89	70	130	



Laboratory ID:

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

01

File Name: 2136401A.D

Description: MEADOW CREEK SAMPLE

Date Sampled: 02/24/21

Time:

Canister:

Date Analyzed: 09/10/21

Time: 15:59

QC_Batch: 091021-MA1

Can Dilution Factor: 1.00

Air Volume: 50.00

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
463-58-1	Carbonyl Sulfide	2.00	5.00	45.25	4.91	12.29	111.18	
115-11-7	2-Methylpropene	2.00	5.00	ND	4.59	11.47	ND	
646-04-8	trans-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
627-20-3	cis-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
1717-00-6	1,1-Dichloro-1-fluoroethane	2.00	5.00	ND	9.58	23.95	ND	
75-18-3	Dimethylsulfide	2.00	5.00	ND	5.09	12.72	ND	
107-83-5	2-Methylpentane	2.00	5.00	25.23	7.06	17.65	89.04	
96-14-0	3-Methyl pentane	2.00	5.00	56.55	7.06	17.65	199.59	
123-72-8	Butanal	2.00	5.00	ND	5.91	14.77	ND	
534-22-5	2-Methyl furan	2.00	5.00	3.07	6.72	16.81	10.34	J
930-27-8	3-Methyl furan	2.00	5.00	ND	6.72	16.81	ND	
590-86-3	3-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
1730-97-8	2-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
110-62-3	Pentanal	2.00	5.00	ND	7.05	17.64	ND	
624-92-0	Dimethyl Disulfide	2.00	5.00	ND	7.72	19.29	ND	
66-25-1	Hexaldehyde	2.00	5.00	ND	8.20	20.51	ND	
111-71-7	Heptanal	2.00	5.00	ND	9.35	23.38	ND	
3658-80-8	Dimethyl Trisulfide	2.00	5.00	ND	10.34	25.85	ND	
124-13-0	Octanal	2.00	5.00	14.97	10.50	26.25	78.62	
124-19-6	Nonal	2.00	5.00	74.85	11.65	29.13	436.05	
1120-21-4	Undecane	2.00	5.00	ND	12.80	32.01	ND	
112-31-2	Decanal	2.00	5.00	ND	12.80	32.00	ND	
	A A A B A A B A A B A B A B A B A B A B					QC	Limits	
	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				109	70	130	



EPA Method TO-15 Modified Full Scan GC/MS

SDG: 221264

Analytical Method:

TO-15

Laboratory ID:

01

Flag

File Name: 2136401A.D

Date Sampled: 02/24/21

Time:

Description: MEADOW CREEK SAMPLE

Date Analyzed: 09/10/21

Time: 15:59

Canister:

CAS#

QC_Batch: 091021-MA1

Compound

Can Dilution Factor: 1.00 Air Volume: 50.00

UG/M3

ml

UG/M3

MDL RL Amount MDL RLAmount

PPBV

PPBV

UG/M3 75-07-0 Acetaldehyde 7.00 20.00 81.39 12.61 36.01 146.57

PPBV



SDG: 221264

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15 Laboratory ID: 02

File Name: 2136402A.D Date Sampled: 02/24/21 Time:

Description: DUMP SITE 4FT **Date Analyzed:** 09/10/21 **Time:** 15:59

Canister: Can Dilution Factor: 1.00

QC_Batch: 091021-MSA Air Volume: 50 ml

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
75-71-8	Dichlorodifluoromethane	3.00	5.04	ND	14.83	24.91	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	2.00	5.04	ND	13.97	35.21	ND	
64-17-5	Ethanol	7.00	15.00	ND	13.19	28.27	NĎ	
75-69-4	Trichlorofluoromethane	2.00	4.80	ND	11.23	26.96	ND	
67-64-1	Acetone	2.00	6.16	518.76	4.75	14.63	1,232.11	
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	4.78	ND	7.66	36.62	ND	
75-15-0	Carbon disulfide	2.00	4.64	37.05	6.22	14.43	115.28	
156-60-5	trans-1,2-Dichloroethene	1.00	3.62	ND	3.96	14.34	ND	
78-93-3	2-Butanone (MEK)	2.00	5.10	ND	5.89	15.03	ND	
110-54-3	Hexane	2.00	3.70	250.88	7.05	13.04	884.06	
156-59-2	cis-1,2-Dichloroethene	1.00	5.36	ND	3.96	21.23	ND	
67-66-3	Chloroform	1.00	5.02	ND	4.90	24.50	ND	
71-43-2	Benzene	1.40	5.08	3.67	4.47	16.22	11.70	J
56-23-5	Carbon tetrachloride	1.00	4.72	31.32	6.29	29.68	196.89	
142-82-5	n-Heptane	2.00	3.02	ND	8.19	12.37	ND	
79-01-6	Trichloroethene (TCE)	0.50	4.66	ND	2.69	25.03	ND	
108-88-3	Toluene	2.00	5.22	27.84	7.53	19.65	104.83	
111-65-9	Octane	2.00	2.72	ND	9.34	12.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.50	2.44	ND	3.39	16.54	ND	
100-41-4	Ethylbenzene	2.00	5.28	2.11	8.68	22.92	9.17	J
1330-20-7	m,p-Xylenes	2.00	5.30	9.45	8.68	23.01	41.02	
111-84-2	Nonane	2.00	2.38	ND	10.49	12.48	. ND	
100-42-5	Styrene	2.00	5.18	ND	8.52	22.06	ND	
95-47-6	o-Xylene	2.00	5.16	3.15	8.68	22.40	13.69	J
611-14-3	2-Ethyltoluene	4.00	8.28	ND	19.65	40.69	ND	
124-18-5	Decane	2.00	2.54	ND	11.63	14.78	ND	
91-20-3	Naphthalene	1.00	1.88	ND	5.24	9.85	ND	
		· · · · · · · · · · · · · · · · · · ·				QC	Limits	
	Surrogate Recovery	***************************************			% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				87	70	130	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID:

02

File Name: 2136402A.D Description: DUMP SITE 4FT

Date Sampled: 02/24/21 Date Analyzed: 09/10/21 Time:

Canister:

Can Dilution Factor: 1.00

Time: 15:59

QC_Batch: 091021-MA1

Air Volume: 50.00

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
463-58-1	Carbonyl Sulfide	2.00	5.00	9.66	4.91	12.29	23.74	
115-11-7	2-Methylpropene	2.00	5.00	13.56	4.59	11.47	31.10	
646-04-8	trans-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
627-20-3	cis-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
1717-00-6	1,1-Dichloro-1-fluoroethane	2.00	5.00	ND	9.58	23.95	ND	
75-18-3	Dimethylsulfide	2.00	5.00	ND	5.09	12.72	ND	
107-83-5	2-Methylpentane	2.00	5.00	36.71	7.06	17.65	129.57	
96-14-0	3-Methyl pentane	2.00	5.00	68.74	7.06	17.65	242.60	
123-72-8	Butanal	2.00	5.00	ND	5.91	14.77	ND	
534-22-5	2-Methyl furan	2.00	5.00	ND	6.72	16.81	ND	
930-27-8	3-Methyl furan	2.00	5.00	ND	6.72	16.81	ND	
590-86-3	3-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
1730-97-8	2-Methyl butanal	2.00	5.00	16.81	7.05	17.64	59.29	
110-62-3	Pentanal	2.00	5.00	ND	7.05	17.64	ND	
624-92-0	Dimethyl Disulfide	2.00	5.00	ND	7.72	19.29	ND	
66-25-1	Hexaldehyde	2.00	5.00	ND	8.20	20.51	ND	
111-71-7	Heptanal	2.00	5.00	ND	9.35	23.38	ND	
3658-80-8	Dimethyl Trisulfide	2.00	5.00	ND	10.34	25.85	ND	
124-13-0	Octanal	2.00	5.00	ND	10.50	26.25	ND	
124-19-6	Nonal	2.00	5.00	ND	11.65	29.13	ND	
1120-21-4	Undecane	2.00	5.00	ND	12.80	32.01	ND	
112-31-2	Decanal	2.00	5.00	ND	12.80	32.00	ND	
						QC	Limits	
	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				107	70	130	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID:

02

File Name: 2136402A.D

Description: DUMP SITE 4FT

Date Sampled: 02/24/21

Time:

Date Analyzed: 09/10/21

Time: 15:59

Canister:

Can Dilution Factor: 1.00

ml

QC_Batch: 091021-MA1 Air Volume: 50.00

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
75-07-0	Acetaldehyde	7.00	20.00	178.02	12.61	36.01	320.56	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID: 03

File Name: 2136403A.D

QC_Batch: 091021-MSA

Date Sampled: 2/24/2021 Time:

Description: MEADOW CREEK DOG ALERT

Date Analyzed: 9/10/2021 Time: 17:12

Canister:

Can Dilution Factor:

1.00

Air Volume:

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
75-71-8	Dichlorodifluoromethane	3.00	5.04	ND	14.83	24.91	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	2.00	5.04	ND	13.97	35.21	ND	
64-17-5	Ethanol	7.00	15.00	ND	13.19	28.27	ND	
75-69-4	Trichlorofluoromethane	2.00	4.80	ND	11.23	26.96	ND	
67-64-1	Acetone	2.00	6.16	184.16	4.75	14.63	437.40	
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	4.78	ND	7.66	36.62	ND	
75-15-0	Carbon disulfide	2.00	4.64	20.60	6.22	14.43	64.08	
156-60-5	trans-1,2-Dichloroethene	1.00	3.62	ND	3.96	14.34	ND	
78-93-3	2-Butanone (MEK)	2.00	5.10	ND	5.89	15.03	ND	
110-54-3	Hexane	2.00	3.70	92.42	7.05	13.04	325.68	
156-59-2	cis-1,2-Dichloroethene	1.00	5.36	ND	3.96	21.23	ND	
67-66-3	Chloroform	1.00	5.02	ND	4.90	24.50	ND	
71-43-2	Benzene	1.40	5.08	7.26	4.47	16.22	23.18	
56-23-5	Carbon tetrachloride	1.00	4.72	51.56	6.29	29.68	324.16	
142-82-5	n-Heptane	2.00	3.02	ND	8.19	12.37	ND	
79-01-6	Trichloroethene (TCE)	0.50	4.66	ND	2.69	25.03	ND	
108-88-3	Toluene	2.00	5.22	46.98	7.53	19.65	176.87	
111-65-9	Octane	2.00	2.72	ND	9.34	12.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.50	2.44	ND	3.39	16.54	ND	
100-41-4	Ethylbenzene	2.00	5.28	ND	8.68	22.92	ND	
1330-20-7	m,p-Xylenes	2.00	5.30	ND	8.68	23.01	ND	
111-84-2	Nonane	2.00	2.38	ND	10.49	12.48	ND	
100-42-5	Styrene	2.00	5.18	ND	8.52	22.06	ND	
95-47-6	o-Xylene	2.00	5.16	ND	8.68	22.40	ND	
611-14-3	2-Ethyltoluene	4.00	8.28	ND	19.65	40.69	ND	
124-18-5	Decane	2.00	2.54	ND	11.63	14.78	ND	
91-20-3	Naphthalene	1.00	1.88	ND	5.24	9.85	ND	
						QC	Limits	
	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				86	70	130	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID:

03

File Name: 2136403A.D

Description: MEADOW CREEK DOG ALERT

Canister:

Date Analyzed: 9/10/2021 Can Dilution Factor: 1.00

Time: Time: 17:12

QC_Batch: 091021-MA1

Air Volume: 50.00

Date Sampled: 2/24/2021

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
463-58-1	Carbonyl Sulfide	2.00	5.00	4.86	4.91	12.29	11.93	J
115-11-7	2-Methylpropene	2.00	5.00	ND	4.59	11.47	ND	
646-04-8	trans-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
627-20-3	cis-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
1717-00-6	1,1-Dichloro-1-fluoroethane	2.00	5.00	ND	9.58	23.95	ND	
75-18-3	Dimethylsulfide	2.00	5.00	ND	5.09	12.72	ND	
107-83-5	2-Methylpentane	2.00	5.00	18.81	7.06	17.65	66.41	
96-14-0	3-Methyl pentane	2.00	5.00	35.34	7.06	17.65	124.74	
123-72-8	Butanal	2.00	5.00	ND	5.91	14.77	ND	
534-22-5	2-Methyl furan	2.00	5.00	2.93	6.72	16.81	9.84	J
930-27-8	3-Methyl furan	2.00	5.00	ND	6.72	16.81	ND	
590-86-3	3-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
1730-97-8	2-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
110-62-3	Pentanal	2.00	5.00	ND	7.05	17.64	ND	
624-92-0	Dimethyl Disulfide	2.00	5.00	ND	7.72	19.29	ND	
66-25-1	Hexaldehyde	2.00	5.00	ND	8.20	20.51	ND	
111-71-7	Heptanal	2.00	5.00	ND	9.35	23.38	ND	
3658-80-8	Dimethyl Trisulfide	2.00	5.00	ND	10.34	25.85	ND	
124-13-0	Octanal	2.00	5.00	ND	10.50	26.25	ND	
124-19-6	Nonal	2.00	5.00	ND	11.65	29.13	ND	
1120-21-4	Undecane	2.00	5.00	ND	12.80	32.01	ND	
112-31-2	Decanal	2.00	5.00	ND	12.80	32.00	ND	
·						QC	Limits	
Part	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				105	70	130	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID:

03

File Name: 2136403A.D

Description: MEADOW CREEK DOG ALERT

Date Sampled: 02/24/21 Date Analyzed: 09/10/21 Time:

Time: 17:12

Canister:

QC_Batch: 091021-MA1

Can Dilution Factor: 1.00

Air Volume: 50.00

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
75-07-0	Acetaldehyde	7.00	20.00	22.60	12.61	36.01	40.69	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID: 04

File Name: 2136404A.D

Date Sampled:

Date Analyzed:

Time:

Time:

Description: DUMPSITE 2-3 FT

9/10/2021

17:48

Canister:

Can Dilution Factor:

1.00

QC_Batch: 091021-MSA

Air Volume:

50 ml

2/24/2021

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
75-71-8	Dichlorodifluoromethane	3.00	5.04	ND	14.83	24.91	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	2.00	5.04	ND	13.97	35.21	ND	
64-17-5	Ethanol	7.00	15.00	ND	13.19	28.27	ND	
75-69-4	Trichlorofluoromethane	2.00	4.80	ND	11.23	26.96	ND	
67-64-1	Acetone	2.00	6.16	125.86	4.75	14.63	298.93	
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	4.78	ND	7.66	36.62	ND	
75-15-0	Carbon disulfide	2.00	4.64	ND	6.22	14.43	ND	
156-60-5	trans-1,2-Dichloroethene	1.00	3.62	ND	3.96	14.34	ND	
78-93-3	2-Butanone (MEK)	2.00	5.10	ND	5.89	15.03	ND	
110-54-3	Hexane	2.00	3.70	8.63	7.05	13.04	30.42	
156-59-2	cis-1,2-Dichloroethene	1.00	5.36	ND	3.96	21.23	ND	
67-66-3	Chloroform	1.00	5.02	ND	4.90	24.50	ND	
71-43-2	Benzene	1.40	5.08	ND	4.47	16.22	ND	
56-23-5	Carbon tetrachloride	1.00	4.72	ND	6.29	29.68	ND	
142-82-5	n-Heptane	2.00	3.02	ND	8.19	12.37	ND	
79-01-6	Trichloroethene (TCE)	0.50	4.66	ND	2.69	25.03	ND	
108-88-3	Toluene	2.00	5.22	ND	7.53	19.65	ND	
111-65-9	Octane	2.00	2.72	7.54	9.34	12.70	35.18	
127-18-4	Tetrachloroethene (PCE)	0.50	2.44	ND	3.39	16.54	ND	
100-41-4	Ethylbenzene	2.00	5.28	ND	8.68	22.92	ND	
1330-20-7	m,p-Xylenes	2.00	5.30	ND	8.68	23.01	ND	
111-84-2	Nonane	2.00	2.38	ND	10.49	12.48	ND	
100-42-5	Styrene	2.00	5.18	ND	8.52	22.06	ND	
95-47-6	o-Xylene	2.00	5.16	ND	8.68	22.40	ND	
611-14-3	2-Ethyltoluene	4.00	8.28	ND	19.65	40.69	ND	
124-18-5	Decane	2.00	2.54	ND	11.63	14.78	ND	
91-20-3	Naphthalene	1.00	1.88	ND	5.24	9.85	ND	
						QC	Limits	
	Surrogate Recovery				% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8				86	70	130	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

TO-15

SDG: 221264

Laboratory ID:

04

File Name: 2136404A.D

Description: DUMPSITE 2-3 FT

Date Sampled: 02/24/21

Time:

Date Analyzed: 09/10/21 **Can Dilution Factor:** 1.00

Time: 17:12

Canister:

QC_Batch: 091021-MA1

Air Volume: 50.00

		MDL	RL	Amount	MDL	RL	Amount	
CAS#	Compound	PPBV	PPBV	PPBV	UG/M3	UG/M3	UG/M3	Flag
463-58-1	Carbonyl Sulfide	2.00	5.00	ND	4.91	12.29	ND	
115-11-7	2-Methylpropene	2.00	5.00	ND	4.59	11.47	ND	
646-04-8	trans-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
627-20-3	cis-2-Pentene	2.00	5.00	ND	5.73	14.33	ND	
1717-00-6	1,1-Dichloro-1-fluoroethane	2.00	5.00	ND	9.58	23.95	ND	
75-18-3	Dimethylsulfide	2.00	5.00	32.23	5.09	12.72	82.02	
107-83-5	2-Methylpentane	2.00	5.00	15.33	7.06	17.65	54.10	
96-14-0	3-Methyl pentane	2.00	5.00	ND	7.06	17.65	ND	
123-72-8	Butanal	2.00	5.00	ND	5.91	14.77	ND	
534-22-5	2-Methyl furan	2.00	5.00	5.69	6.72	16.81	19.12	
930-27-8	3-Methyl furan	2.00	5.00	ND	6.72	16.81	ND	•
590-86-3	3-Methyl butanal	2.00	5.00	ND	7.05	17.64	ND	
1730-97-8	2-Methyl butanal	2.00	5.00	12.64	7.05	17.64	44.60	
110-62-3	Pentanal	2.00	5.00	ND	7.05	17.64	ND	
624-92-0	Dimethyl Disulfide	2.00	5.00	ND	7.72	19.29	ND	
66-25-1	Hexaldehyde	2.00	5.00	ND	8.20	20.51	ND	
111-71-7	Heptanal	2.00	5.00	ND	9.35	23.38	ND	
3658-80-8	Dimethyl Trisulfide	2.00	5.00	ND	10.34	25.85	ND	
124-13-0	Octanal	2.00	5.00	ND	10.50	26.25	ND	
124-19-6	Nonal	2.00	5.00	19.44	11.65	29.13	113.25	
1120-21-4	Undecane	2.00	5.00	ND	12.80	32.01	ND	
112-31-2	Decanal	2.00	5.00	17.65	12.80	32.00	112.97	
14 (-)						QC	Limits	APPROXIMATION AND ADDRESS OF THE

			QC	Limits	
	Surrogate Recovery	% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	105	70	130	



EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method:

Canister:

TO-15

SDG: 221264

Laboratory ID:

04

File Name: 2136404A.D

Description: DUMPSITE 2-3 FT

Date Sampled: 02/24/21

Time:

Time: 17:48

Date Analyzed: 09/10/21

Can Dilution Factor: 1.00

.

QC_Batch: 091021-MA1

Air Volume: 50.00

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-07-0	Acetaldehyde	7.00	20.00	27.56	12.61	36.01	49.62	