

# ALS Environmental

Date: 12-Mar-24

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 24021145

## Work Order Sample Summary

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<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
24021145-01	High and Maple, Urbana, IL	Air		2/23/2024 21:52	2/28/2024 14:18	<input type="checkbox"/>

# ALS Environmental

Date: 12-Mar-24

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 24021145

**Sample ID:** High and Maple, Urbana, IL

**Lab ID:** 24021145-01

**Collection Date:** 2/23/2024 09:52 PM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>TO-15 BY GC/MS</b>			<b>ETO-15</b>			Analyst: <b>EMC</b>
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/4/2024 08:17 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/4/2024 08:17 PM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	3/4/2024 08:17 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/4/2024 08:17 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/4/2024 08:17 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/4/2024 08:17 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	3/4/2024 08:17 PM
1,2-Dibromoethane	ND		1.54	µg/m3	1	3/4/2024 08:17 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/4/2024 08:17 PM
1,2-Dichloroethane	ND		0.809	µg/m3	1	3/4/2024 08:17 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/4/2024 08:17 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	3/4/2024 08:17 PM
1,3-Butadiene	ND		0.442	µg/m3	1	3/4/2024 08:17 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/4/2024 08:17 PM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	3/4/2024 08:17 PM
1,4-Dioxane	ND		1.80	µg/m3	1	3/4/2024 08:17 PM
2-Butanone	ND		2.95	µg/m3	1	3/4/2024 08:17 PM
2-Hexanone	ND		4.10	µg/m3	1	3/4/2024 08:17 PM
2-Propanol	ND		2.46	µg/m3	1	3/4/2024 08:17 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	3/4/2024 08:17 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/4/2024 08:17 PM
Acetone	ND		2.38	µg/m3	1	3/4/2024 08:17 PM
Benzene	ND		1.60	µg/m3	1	3/4/2024 08:17 PM
Benzyl chloride	ND		2.55	µg/m3	1	3/4/2024 08:17 PM
Bromodichloromethane	ND		1.34	µg/m3	1	3/4/2024 08:17 PM
Bromoform	ND		5.17	µg/m3	1	3/4/2024 08:17 PM
Bromomethane	ND		1.94	µg/m3	1	3/4/2024 08:17 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/4/2024 08:17 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/4/2024 08:17 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/4/2024 08:17 PM
Chloroethane	ND		1.32	µg/m3	1	3/4/2024 08:17 PM
Chloroform	ND		0.976	µg/m3	1	3/4/2024 08:17 PM
Chloromethane	ND		1.03	µg/m3	1	3/4/2024 08:17 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/4/2024 08:17 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/4/2024 08:17 PM
Cumene	ND		2.46	µg/m3	1	3/4/2024 08:17 PM
Cyclohexane	ND		1.72	µg/m3	1	3/4/2024 08:17 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/4/2024 08:17 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	3/4/2024 08:17 PM

**Note:**

# ALS Environmental

Date: 12-Mar-24

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 24021145

**Sample ID:** High and Maple, Urbana, IL

**Lab ID:** 24021145-01

**Collection Date:** 2/23/2024 09:52 PM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		1.80	µg/m3	1	3/4/2024 08:17 PM
Ethylbenzene	ND		2.17	µg/m3	1	3/4/2024 08:17 PM
Freon 113	ND		3.83	µg/m3	1	3/4/2024 08:17 PM
Freon 114	ND		3.50	µg/m3	1	3/4/2024 08:17 PM
Heptane	ND		2.05	µg/m3	1	3/4/2024 08:17 PM
Hexachlorobutadiene	ND		2.13	µg/m3	1	3/4/2024 08:17 PM
Hexane	ND		1.76	µg/m3	1	3/4/2024 08:17 PM
m,p-Xylene	ND		2.17	µg/m3	1	3/4/2024 08:17 PM
Methylene chloride	ND		7.00	µg/m3	1	3/4/2024 08:17 PM
MTBE	ND		1.80	µg/m3	1	3/4/2024 08:17 PM
Naphthalene	ND		1.05	µg/m3	1	3/4/2024 08:17 PM
o-Xylene	ND		2.17	µg/m3	1	3/4/2024 08:17 PM
Propene	ND		0.861	µg/m3	1	3/4/2024 08:17 PM
Styrene	ND		2.13	µg/m3	1	3/4/2024 08:17 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/4/2024 08:17 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	3/4/2024 08:17 PM
Toluene	ND		1.88	µg/m3	1	3/4/2024 08:17 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/4/2024 08:17 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/4/2024 08:17 PM
Trichloroethene	ND		1.07	µg/m3	1	3/4/2024 08:17 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	3/4/2024 08:17 PM
Vinyl acetate	ND		3.52	µg/m3	1	3/4/2024 08:17 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/4/2024 08:17 PM
Surr: Bromofluorobenzene	94.5		60-140	%REC	1	3/4/2024 08:17 PM

**Note:**

Batch ID: **R226878**      Instrument ID **VMS7**      Method: **ETO-15**

MBLK		Sample ID: <b>BLK-R226878</b>			Units: <b>ppbv</b>		Analysis Date: <b>3/4/2024 11:08 AM</b>			
Client ID:		Run ID: <b>VMS7_240304A</b>			SeqNo: <b>3316147</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.20								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.20								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.20								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.20								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.20								
1,4-Dioxane	ND	0.50								
2-Butanone	ND	1.0								
2-Hexanone	ND	1.0								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	1.0								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	0.50								
Bromodichloromethane	ND	0.20								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.20								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:****QC BATCH REPORT****Work Order:** 24021145**Project:** Spotlight Air Environmental

Batch ID: <b>R226878</b>	Instrument ID <b>VMS7</b>	Method: <b>ETO-15</b>						
Freon 113	ND	0.50						
Freon 114	ND	0.50						
Heptane	ND	0.50						
Hexachlorobutadiene	ND	0.20						
Hexane	ND	0.50						
m,p-Xylene	ND	0.50						
Methylene chloride	ND	2.0						
MTBE	ND	0.50						
Naphthalene	ND	0.20						
o-Xylene	ND	0.50						
Propene	ND	0.50						
Styrene	ND	0.50						
Tetrachloroethene	ND	0.50						
Tetrahydrofuran	ND	0.50						
Toluene	ND	0.50						
trans-1,2-Dichloroethene	ND	0.50						
trans-1,3-Dichloropropene	ND	0.50						
Trichloroethene	ND	0.20						
Trichlorofluoromethane	ND	0.50						
Vinyl acetate	ND	1.0						
Vinyl chloride	ND	0.50						
<i>Surr: Bromofluorobenzene</i>	<i>10.86</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>109</i>	<i>60-140</i>	<i>0</i>	

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

**Client:**

**QC BATCH REPORT**

**Work Order:** 24021145

**Project:** Spotlight Air Environmental

Batch ID: **R226878**

Instrument ID **VMS7**

Method: **ETO-15**

LCS		Sample ID: <b>LCS-R226878</b>				Units: <b>ppbv</b>		Analysis Date: <b>3/4/2024 10:21 AM</b>		
Client ID:		Run ID: <b>VMS7_240304A</b>			SeqNo: <b>3316146</b>		Prep Date:		DF: <b>1</b>	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.12	0.50	10	0	91.2	58.8-163	0			
1,1,2,2-Tetrachloroethane	10.3	0.50	10	0	103	60-140	0			
1,1,2-Trichloroethane	10.41	0.20	10	0	104	60-140	0			
1,1-Dichloroethane	9.06	0.50	10	0	90.6	60-140	0			
1,1-Dichloroethene	8.86	0.50	10	0	88.6	60-140	0			
1,2,4-Trichlorobenzene	9.16	0.50	10	0	91.6	49.3-150	0			
1,2,4-Trimethylbenzene	9.39	0.50	10	0	93.9	50.1-162	0			
1,2-Dibromoethane	11.46	0.20	10	0	115	60-140	0			
1,2-Dichlorobenzene	8.88	0.50	10	0	88.8	41.9-141	0			
1,2-Dichloroethane	8.98	0.20	10	0	89.8	60-140	0			
1,2-Dichloropropane	9.79	0.50	10	0	97.9	60-140	0			
1,3,5-Trimethylbenzene	9.1	0.50	10	0	91	60-140	0			
1,3-Butadiene	9.89	0.20	10	0	98.9	50.6-140	0			
1,3-Dichlorobenzene	8.71	0.50	10	0	87.1	60-140	0			
1,4-Dichlorobenzene	8.58	0.20	10	0	85.8	55.1-145	0			
1,4-Dioxane	9.02	0.50	10	0	90.2	60-140	0			
2-Butanone	9.6	1.0	10	0	96	60-140	0			
2-Hexanone	12.03	1.0	10	0	120	56.2-162	0			
2-Propanol	9.72	1.0	10	0	97.2	60-140	0			
4-Ethyltoluene	8.86	0.50	10	0	88.6	60-140	0			
4-Methyl-2-pentanone	12.66	1.0	10	0	127	60-140	0			
Acetone	9.22	1.0	10	0	92.2	60-140	0			
Benzene	9.21	0.50	10	0	92.1	60-140	0			
Benzyl chloride	9.23	0.50	10	0	92.3	31.9-174	0			
Bromodichloromethane	10.46	0.20	10	0	105	60-140	0			
Bromoform	10.52	0.50	10	0	105	60-140	0			
Bromomethane	9.9	0.50	10	0	99	60-140	0			
Carbon disulfide	9.16	0.50	10	0	91.6	60-140	0			
Carbon tetrachloride	9.73	0.50	10	0	97.3	60-140	0			
Chlorobenzene	8.88	0.50	10	0	88.8	60-140	0			
Chloroethane	9.8	0.50	10	0	98	60-140	0			
Chloroform	9	0.20	10	0	90	60-140	0			
Chloromethane	8.89	0.50	10	0	88.9	60-140	0			
cis-1,2-Dichloroethene	9.33	0.50	10	0	93.3	60-140	0			
cis-1,3-Dichloropropene	12.59	0.50	10	0	126	60-140	0			
Cumene	8.39	0.50	10	0	83.9	60-140	0			
Cyclohexane	8.6	0.50	10	0	86	60-140	0			
Dibromochloromethane	11.41	0.50	10	0	114	60-140	0			
Dichlorodifluoromethane	9.48	0.50	10	0	94.8	60-140	0			
Ethyl acetate	9.34	0.50	10	0	93.4	60-140	0			
Ethylbenzene	8.43	0.50	10	0	84.3	60-140	0			
Freon 113	9.12	0.50	10	0	91.2	60-140	0			

**Note:** See Qualifiers Page for a list of Qualifiers and their explanation.

Client:

# QC BATCH REPORT

Work Order: 24021145

Project: Spotlight Air Environmental

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Batch ID: <b>R226878</b>	Instrument ID <b>VMS7</b>	Method: <b>ETO-15</b>						
Freon 114	9.63	0.50	10	0	96.3	60-140	0	
Heptane	10.01	0.50	10	0	100	60-140	0	
Hexachlorobutadiene	9.52	0.20	10	0	95.2	60-140	0	
Hexane	9.26	0.50	10	0	92.6	60-140	0	
m,p-Xylene	17.16	0.50	20	0	85.8	60-140	0	
Methylene chloride	9.25	2.0	10	0	92.5	60-140	0	
MTBE	8.88	0.50	10	0	88.8	60.8-151	0	
Naphthalene	9.44	0.20	10	0	94.4	53.1-152	0	
o-Xylene	8.66	0.50	10	0	86.6	60-140	0	
Propene	9.89	0.50	10	0	98.9	34.4-139	0	
Styrene	11.1	0.50	10	0	111	60-140	0	
Tetrachloroethene	9.63	0.50	10	0	96.3	60-140	0	
Tetrahydrofuran	9.73	0.50	10	0	97.3	60-140	0	
Toluene	9.81	0.50	10	0	98.1	60-140	0	
trans-1,2-Dichloroethene	8.75	0.50	10	0	87.5	60-140	0	
trans-1,3-Dichloropropene	9.91	0.50	10	0	99.1	60-140	0	
Trichloroethene	9.4	0.20	10	0	94	60-140	0	
Trichlorofluoromethane	9.39	0.50	10	0	93.9	60-140	0	
Vinyl acetate	9.87	1.0	10	0	98.7	48.4-145	0	
Vinyl chloride	9.54	0.50	10	0	95.4	60-140	0	
<i>Surr: Bromofluorobenzene</i>	<i>8.85</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>88.5</i>	<i>60-140</i>	<i>0</i>	

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The following samples were analyzed in this batch: 24021145-01a

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client:  
Project: Spotlight Air Environmental  
WorkOrder: 24021145

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
µg/m3	
ppbv	



Sample Receipt Checklist

Client Name:

Date/Time Received: **28-Feb-24 14:18**

Work Order: **24021145**

Received by: **AB1**

Checklist completed by **Chantel.Allen**

28-Feb-24

Reviewed by: **Danielle Strasinger**

11-Mar-24

eSignature

Date

eSignature

Date

Matrices: Air

Carrier name: FedEx

Shipping container/cooler in good condition? Yes  No  Not Present

Custody seals intact on shipping container/cooler? Yes  No  Not Present

Custody seals intact on sample bottles? Yes  No  Not Present

Chain of custody present? Yes  No

Chain of custody signed when relinquished and received? Yes  No

Chain of custody agrees with sample labels? Yes  No

Samples in proper container/bottle? Yes  No

Sample containers intact? Yes  No

Sufficient sample volume for indicated test? Yes  No

All samples received within holding time? Yes  No

Container/Temp Blank temperature in compliance? Yes  No

Sample(s) received on ice? Yes  No

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage: 2/28/2024 14:50

Water - VOA vials have zero headspace? Yes  No  No VOA vials submitted

Water - pH acceptable upon receipt? Yes  No  N/A

pH adjusted? Yes  No  N/A

pH adjusted by: -

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: