

ALS Environmental

Date: 14-May-24

Client:

Project: Spotlight Air Environmental

Work Order: 24041521

Work Order Sample Summary

<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>
24041521-01	Wilbur and 5th; Champaign, IL	Air		4/25/2024 05:35	4/30/2024 11:04	<input type="checkbox"/>

ALS Environmental

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Work Order: 24041521

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Sampling information was provided by the client.

Start: April 25, 5:31 a.m.

End: April 25, 1:31 p.m.

ALS Environmental

Date: 14-May-24

Client:

Project: Spotlight Air Environmental

Work Order: 24041521

Sample ID: Wilbur and 5th; Champaign, IL

Lab ID: 24041521-01

Collection Date: 4/25/2024 05:35 AM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: LAK
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	5/7/2024 02:02 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	5/7/2024 02:02 PM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	5/7/2024 02:02 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	5/7/2024 02:02 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	5/7/2024 02:02 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	5/7/2024 02:02 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	5/7/2024 02:02 PM
1,2-Dibromoethane	ND		1.54	µg/m3	1	5/7/2024 02:02 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	5/7/2024 02:02 PM
1,2-Dichloroethane	ND		0.809	µg/m3	1	5/7/2024 02:02 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	5/7/2024 02:02 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	5/7/2024 02:02 PM
1,3-Butadiene	ND		0.442	µg/m3	1	5/7/2024 02:02 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	5/7/2024 02:02 PM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	5/7/2024 02:02 PM
1,4-Dioxane	ND		1.80	µg/m3	1	5/7/2024 02:02 PM
2-Butanone	ND		2.95	µg/m3	1	5/7/2024 02:02 PM
2-Hexanone	ND		4.10	µg/m3	1	5/7/2024 02:02 PM
2-Propanol	ND		2.46	µg/m3	1	5/7/2024 02:02 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	5/7/2024 02:02 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	5/7/2024 02:02 PM
Acetone	5.24		2.38	µg/m3	1	5/7/2024 02:02 PM
Benzene	ND		1.60	µg/m3	1	5/7/2024 02:02 PM
Benzyl chloride	ND		2.55	µg/m3	1	5/7/2024 02:02 PM
Bromodichloromethane	ND		1.34	µg/m3	1	5/7/2024 02:02 PM
Bromoform	ND		5.17	µg/m3	1	5/7/2024 02:02 PM
Bromomethane	ND		1.94	µg/m3	1	5/7/2024 02:02 PM
Carbon disulfide	ND		1.56	µg/m3	1	5/7/2024 02:02 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	5/7/2024 02:02 PM
Chlorobenzene	ND		2.30	µg/m3	1	5/7/2024 02:02 PM
Chloroethane	ND		1.32	µg/m3	1	5/7/2024 02:02 PM
Chloroform	ND		0.976	µg/m3	1	5/7/2024 02:02 PM
Chloromethane	ND		1.03	µg/m3	1	5/7/2024 02:02 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/7/2024 02:02 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/7/2024 02:02 PM
Cumene	ND		2.46	µg/m3	1	5/7/2024 02:02 PM
Cyclohexane	ND		1.72	µg/m3	1	5/7/2024 02:02 PM
Dibromochloromethane	ND		4.26	µg/m3	1	5/7/2024 02:02 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	5/7/2024 02:02 PM

Note:

ALS Environmental

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Work Order: 24041521

Sample ID: Wilbur and 5th; Champaign, IL

Lab ID: 24041521-01

Collection Date: 4/25/2024 05:35 AM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		1.80	µg/m3	1	5/7/2024 02:02 PM
Ethylbenzene	ND		2.17	µg/m3	1	5/7/2024 02:02 PM
Freon 113	ND		3.83	µg/m3	1	5/7/2024 02:02 PM
Freon 114	ND		3.50	µg/m3	1	5/7/2024 02:02 PM
Heptane	ND		2.05	µg/m3	1	5/7/2024 02:02 PM
Hexachlorobutadiene	ND		2.13	µg/m3	1	5/7/2024 02:02 PM
Hexane	ND		1.76	µg/m3	1	5/7/2024 02:02 PM
m,p-Xylene	ND		2.17	µg/m3	1	5/7/2024 02:02 PM
Methylene chloride	ND		7.00	µg/m3	1	5/7/2024 02:02 PM
MTBE	ND		1.80	µg/m3	1	5/7/2024 02:02 PM
Naphthalene	ND		1.05	µg/m3	1	5/7/2024 02:02 PM
o-Xylene	ND		2.17	µg/m3	1	5/7/2024 02:02 PM
Propene	ND		0.861	µg/m3	1	5/7/2024 02:02 PM
Styrene	ND		2.13	µg/m3	1	5/7/2024 02:02 PM
Tetrachloroethene	ND		3.39	µg/m3	1	5/7/2024 02:02 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	5/7/2024 02:02 PM
Toluene	ND		1.88	µg/m3	1	5/7/2024 02:02 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	5/7/2024 02:02 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	5/7/2024 02:02 PM
Trichloroethene	ND		1.07	µg/m3	1	5/7/2024 02:02 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	5/7/2024 02:02 PM
Vinyl acetate	ND		3.52	µg/m3	1	5/7/2024 02:02 PM
Vinyl chloride	ND		1.28	µg/m3	1	5/7/2024 02:02 PM
Surr: Bromofluorobenzene	92.0		60-140	%REC	1	5/7/2024 02:02 PM

Note:

Client:

QC BATCH REPORT

Work Order: 24041521

Project: Spotlight Air Environmental

Batch ID: **R226984**

Instrument ID **VMS4**

Method: **ETO-15**

MBLK		Sample ID: MBLK-R226984				Units: ppbv		Analysis Date: 5/7/2024 01:17 PM			
Client ID:		Run ID: VMS7_240307A		SeqNo: 3383616		Prep Date:		DF: 1			
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: 24041521

Project: Spotlight Air Environmental

Batch ID: R226984	Instrument ID VMS4	Method: ETO-15					
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>	8.993	0	10	0	89.9	60-140	0

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

Client:

QC BATCH REPORT

Work Order: 24041521

Project: Spotlight Air Environmental

Batch ID: **R226984**

Instrument ID **VMS4**

Method: **ETO-15**

LCS		Sample ID: LCS-R226984				Units: ppbv		Analysis Date: 5/7/2024 12:32 PM		
Client ID:		Run ID: VMS7_240307A			SeqNo: 3383615		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.663	0.50	10	0	96.6	58.8-163	0			
1,1,2,2-Tetrachloroethane	10.37	0.50	10	0	104	60-140	0			
1,1,2-Trichloroethane	10.45	0.20	10	0	105	60-140	0			
1,1-Dichloroethane	9.637	0.50	10	0	96.4	60-140	0			
1,1-Dichloroethene	9.454	0.50	10	0	94.5	60-140	0			
1,2,4-Trichlorobenzene	12.62	0.50	10	0	126	49.3-150	0			
1,2,4-Trimethylbenzene	10.69	0.50	10	0	107	50.1-162	0			
1,2-Dibromoethane	10.33	0.20	10	0	103	60-140	0			
1,2-Dichlorobenzene	10.95	0.50	10	0	109	41.9-141	0			
1,2-Dichloroethane	9.484	0.20	10	0	94.8	60-140	0			
1,2-Dichloropropane	10.26	0.50	10	0	103	60-140	0			
1,3,5-Trimethylbenzene	10.35	0.50	10	0	103	60-140	0			
1,3-Butadiene	6.668	0.20	10	0	66.7	50.6-140	0			
1,3-Dichlorobenzene	11.51	0.50	10	0	115	60-140	0			
1,4-Dichlorobenzene	11.23	0.20	10	0	112	55.1-145	0			
1,4-Dioxane	10.09	0.50	10	0	101	60-140	0			
2-Butanone	9.76	1.0	10	0	97.6	60-140	0			
2-Hexanone	9.876	1.0	10	0	98.8	56.2-162	0			
2-Propanol	8.223	1.0	10	0	82.2	60-140	0			
4-Ethyltoluene	11.06	0.50	10	0	111	60-140	0			
4-Methyl-2-pentanone	9.439	1.0	10	0	94.4	60-140	0			
Acetone	7.786	1.0	10	0	77.9	60-140	0			
Benzene	9.794	0.50	10	0	97.9	60-140	0			
Benzyl chloride	11.12	0.50	10	0	111	31.9-174	0			
Bromodichloromethane	10.44	0.20	10	0	104	60-140	0			
Bromoform	10.18	0.50	10	0	102	60-140	0			
Bromomethane	11.89	0.50	10	0	119	60-140	0			
Carbon disulfide	9.791	0.50	10	0	97.9	60-140	0			
Carbon tetrachloride	10.41	0.50	10	0	104	60-140	0			
Chlorobenzene	9.914	0.50	10	0	99.1	60-140	0			
Chloroethane	10.93	0.50	10	0	109	60-140	0			
Chloroform	9.971	0.20	10	0	99.7	60-140	0			
Chloromethane	9.411	0.50	10	0	94.1	60-140	0			
cis-1,2-Dichloroethene	9.616	0.50	10	0	96.2	60-140	0			
cis-1,3-Dichloropropene	9.901	0.50	10	0	99	60-140	0			
Cumene	10.18	0.50	10	0	102	60-140	0			
Cyclohexane	9.388	0.50	10	0	93.9	60-140	0			
Dibromochloromethane	10.64	0.50	10	0	106	60-140	0			
Dichlorodifluoromethane	9.726	0.50	10	0	97.3	60-140	0			
Ethyl acetate	9.238	0.50	10	0	92.4	60-140	0			
Ethylbenzene	10.08	0.50	10	0	101	60-140	0			
Freon 113	9.948	0.50	10	0	99.5	60-140	0			

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

Client:
Work Order: 24041521
Project: Spotlight Air Environmental

QC BATCH REPORT

Batch ID: R226984	Instrument ID VMS4	Method: ETO-15						
Freon 114	9.762	0.50	10	0	97.6	60-140	0	
Heptane	8.924	0.50	10	0	89.2	60-140	0	
Hexachlorobutadiene	9.468	0.20	10	0	94.7	60-140	0	
Hexane	9.015	0.50	10	0	90.2	60-140	0	
m,p-Xylene	19.92	0.50	20	0	99.6	60-140	0	
Methylene chloride	8.272	2.0	10	0	82.7	60-140	0	
MTBE	9.266	0.50	10	0	92.7	60.8-151	0	
Naphthalene	12.65	0.20	10	0	127	53.1-152	0	
o-Xylene	9.854	0.50	10	0	98.5	60-140	0	
Propene	8.156	0.50	10	0	81.6	34.4-139	0	
Styrene	10.48	0.50	10	0	105	60-140	0	
Tetrachloroethene	9.971	0.50	10	0	99.7	60-140	0	
Tetrahydrofuran	8.971	0.50	10	0	89.7	60-140	0	
Toluene	9.945	0.50	10	0	99.4	60-140	0	
trans-1,2-Dichloroethene	9.881	0.50	10	0	98.8	60-140	0	
trans-1,3-Dichloropropene	9.833	0.50	10	0	98.3	60-140	0	
Trichloroethene	10.07	0.20	10	0	101	60-140	0	
Trichlorofluoromethane	10.07	0.50	10	0	101	60-140	0	
Vinyl acetate	8.639	1.0	10	0	86.4	48.4-145	0	
Vinyl chloride	10.06	0.50	10	0	101	60-140	0	
<i>Surr: Bromofluorobenzene</i>	<i>9.748</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>97.5</i>	<i>60-140</i>	<i>0</i>	

The following samples were analyzed in this batch: 24041521-01a

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

ALS Environmental

Date: 14-May-24

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Project: Spotlight Air Environmental
WorkOrder: 24041521

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/m ³	
ppbv	

Sample Receipt Checklist

Client Name:

Date/Time Received: **30-Apr-24 11:04**

Work Order: **24041521**

Received by: **CA**

Checklist completed by **Alec Bolender**

30-Apr-24

Reviewed by:

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:

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: