

ALS Environmental

Date: 20-Jun-23

Client:

Project: Spotlight Air Environmental

Work Order: 23060305

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>
23060305-01	109155-Stanage and Neil St., Champaign, IL	Air		6/1/2023 19:58	6/7/2023 13:27	<input type="checkbox"/>

ALS Environmental

Date: 20-Jun-23

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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: June 1, 7:58 p.m.

End: June 2, 3:58 a.m.

ALS Environmental

Date: 20-Jun-23

Client:

Project: Spotlight Air Environmental

Work Order: 23060305

Sample ID: 109155-Stanage and Neil St., Champaign, IL

Lab ID: 23060305-01

Collection Date: 6/1/2023 07:58 PM

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	6/17/2023 12:34 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	6/17/2023 12:34 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	6/17/2023 12:34 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	6/17/2023 12:34 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	6/17/2023 12:34 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	6/17/2023 12:34 AM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	6/17/2023 12:34 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	6/17/2023 12:34 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	6/17/2023 12:34 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	6/17/2023 12:34 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	6/17/2023 12:34 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	6/17/2023 12:34 AM
1,3-Butadiene	ND		0.442	µg/m3	1	6/17/2023 12:34 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	6/17/2023 12:34 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	6/17/2023 12:34 AM
1,4-Dioxane	ND		3.60	µg/m3	1	6/17/2023 12:34 AM
2-Butanone	ND		2.95	µg/m3	1	6/17/2023 12:34 AM
2-Hexanone	ND		4.10	µg/m3	1	6/17/2023 12:34 AM
2-Propanol	2.58		2.46	µg/m3	1	6/17/2023 12:34 AM
4-Ethyltoluene	ND		2.46	µg/m3	1	6/17/2023 12:34 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	6/17/2023 12:34 AM
Acetone	23.1		2.38	µg/m3	1	6/17/2023 12:34 AM
Benzene	ND		1.60	µg/m3	1	6/17/2023 12:34 AM
Benzyl chloride	ND		5.18	µg/m3	1	6/17/2023 12:34 AM
Bromodichloromethane	ND		1.34	µg/m3	1	6/17/2023 12:34 AM
Bromoform	ND		5.17	µg/m3	1	6/17/2023 12:34 AM
Bromomethane	ND		1.94	µg/m3	1	6/17/2023 12:34 AM
Carbon disulfide	ND		1.56	µg/m3	1	6/17/2023 12:34 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	6/17/2023 12:34 AM
Chlorobenzene	ND		2.30	µg/m3	1	6/17/2023 12:34 AM
Chloroethane	ND		1.32	µg/m3	1	6/17/2023 12:34 AM
Chloroform	ND		0.976	µg/m3	1	6/17/2023 12:34 AM
Chloromethane	1.47		1.03	µg/m3	1	6/17/2023 12:34 AM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	6/17/2023 12:34 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	6/17/2023 12:34 AM
Cumene	ND		2.46	µg/m3	1	6/17/2023 12:34 AM
Cyclohexane	ND		1.72	µg/m3	1	6/17/2023 12:34 AM
Dibromochloromethane	ND		4.26	µg/m3	1	6/17/2023 12:34 AM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	6/17/2023 12:34 AM

Note:

ALS Environmental

Date: 20-Jun-23

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Project: Spotlight Air Environmental

Work Order: 23060305

Sample ID: 109155-Stanage and Neil St., Champaign, IL

Lab ID: 23060305-01

Collection Date: 6/1/2023 07:58 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		1.80	µg/m3	1	6/17/2023 12:34 AM
Ethylbenzene	ND		2.17	µg/m3	1	6/17/2023 12:34 AM
Freon 113	ND		3.83	µg/m3	1	6/17/2023 12:34 AM
Freon 114	ND		3.50	µg/m3	1	6/17/2023 12:34 AM
Heptane	ND		2.05	µg/m3	1	6/17/2023 12:34 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	6/17/2023 12:34 AM
Hexane	ND		1.76	µg/m3	1	6/17/2023 12:34 AM
m,p-Xylene	ND		2.17	µg/m3	1	6/17/2023 12:34 AM
Methylene chloride	ND		7.00	µg/m3	1	6/17/2023 12:34 AM
MTBE	ND		1.80	µg/m3	1	6/17/2023 12:34 AM
Naphthalene	ND		1.05	µg/m3	1	6/17/2023 12:34 AM
o-Xylene	ND		2.17	µg/m3	1	6/17/2023 12:34 AM
Propene	ND		0.861	µg/m3	1	6/17/2023 12:34 AM
Styrene	ND		2.13	µg/m3	1	6/17/2023 12:34 AM
Tetrachloroethene	ND		3.39	µg/m3	1	6/17/2023 12:34 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	6/17/2023 12:34 AM
Toluene	7.16		1.88	µg/m3	1	6/17/2023 12:34 AM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	6/17/2023 12:34 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	6/17/2023 12:34 AM
Trichloroethene	ND		1.07	µg/m3	1	6/17/2023 12:34 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	6/17/2023 12:34 AM
Vinyl acetate	ND		3.52	µg/m3	1	6/17/2023 12:34 AM
Vinyl chloride	ND		1.28	µg/m3	1	6/17/2023 12:34 AM
Surr: Bromofluorobenzene	101		60-140	%REC	1	6/17/2023 12:34 AM

Note:

Batch ID: **R217699** Instrument ID **VMS4** Method: **ETO-15**

MBLK		Sample ID: MBLK-R217699				Units: ppbv		Analysis Date: 6/16/2023 11:48 AM			
Client ID:		Run ID: VMS4_230616A				SeqNo: 3078807		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	1.0									
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	1.0									
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:**Work Order:** 23060305**Project:** Spotlight Air Environmental**QC BATCH REPORT**

Batch ID: R217699	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>	<i>8.18</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>81.8</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: 23060305

Project: Spotlight Air Environmental

Batch ID: **R217699**

Instrument ID **VMS4**

Method: **ETO-15**

LCS		Sample ID: Ics-R217699				Units: ppbv		Analysis Date: 6/16/2023 10:54 AM		
Client ID:		Run ID: VMS4_230616A			SeqNo: 3078806		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	10.26	0.50	10	0	103	58.8-163	0			
1,1,2,2-Tetrachloroethane	8.58	0.50	10	0	85.8	60-140	0			
1,1,2-Trichloroethane	9.29	0.20	10	0	92.9	60-140	0			
1,1-Dichloroethane	9.58	0.50	10	0	95.8	60-140	0			
1,1-Dichloroethene	10.43	0.50	10	0	104	60-140	0			
1,2,4-Trichlorobenzene	11.53	0.50	10	0	115	49.3-150	0			
1,2,4-Trimethylbenzene	11.9	0.50	10	0	119	50.1-162	0			
1,2-Dibromoethane	9.53	0.20	10	0	95.3	60-140	0			
1,2-Dichlorobenzene	11.36	0.50	10	0	114	41.9-141	0			
1,2-Dichloroethane	10.25	0.20	10	0	102	60-140	0			
1,2-Dichloropropane	8.95	0.50	10	0	89.5	60-140	0			
1,3,5-Trimethylbenzene	11.18	0.50	10	0	112	60-140	0			
1,3-Butadiene	8.79	0.20	10	0	87.9	50.6-140	0			
1,3-Dichlorobenzene	11.54	0.50	10	0	115	60-140	0			
1,4-Dichlorobenzene	11.5	0.20	10	0	115	55.1-145	0			
1,4-Dioxane	9.8	1.0	10	0	98	60-140	0			
2-Butanone	10.48	1.0	10	0	105	60-140	0			
2-Hexanone	10.09	1.0	10	0	101	56.2-162	0			
2-Propanol	10.98	1.0	10	0	110	60-140	0			
4-Ethyltoluene	11.96	0.50	10	0	120	60-140	0			
4-Methyl-2-pentanone	10.39	1.0	10	0	104	60-140	0			
Acetone	9.9	1.0	10	0	99	60-140	0			
Benzene	9.9	0.50	10	0	99	60-140	0			
Benzyl chloride	11.21	1.0	10	0	112	31.9-174	0			
Bromodichloromethane	9.23	0.20	10	0	92.3	60-140	0			
Bromoform	10.22	0.50	10	0	102	60-140	0			
Bromomethane	8	0.50	10	0	80	60-140	0			
Carbon disulfide	9.37	0.50	10	0	93.7	60-140	0			
Carbon tetrachloride	10.89	0.50	10	0	109	60-140	0			
Chlorobenzene	10.09	0.50	10	0	101	60-140	0			
Chloroethane	8.62	0.50	10	0	86.2	60-140	0			
Chloroform	9.81	0.20	10	0	98.1	60-140	0			
Chloromethane	9.43	0.50	10	0	94.3	60-140	0			
cis-1,2-Dichloroethene	10.5	0.50	10	0	105	60-140	0			
cis-1,3-Dichloropropene	9.96	0.50	10	0	99.6	60-140	0			
Cumene	11.17	0.50	10	0	112	60-140	0			
Cyclohexane	10.51	0.50	10	0	105	60-140	0			
Dibromochloromethane	10.21	0.50	10	0	102	60-140	0			
Dichlorodifluoromethane	9.96	0.50	10	0	99.6	60-140	0			
Ethyl acetate	10.17	0.50	10	0	102	60-140	0			
Ethylbenzene	10.53	0.50	10	0	105	60-140	0			
Freon 113	9.6	0.50	10	0	96	60-140	0			

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

Client:

QC BATCH REPORT

Work Order: 23060305

Project: Spotlight Air Environmental

Batch ID: R217699	Instrument ID VMS4	Method: ETO-15						
Freon 114	9.28	0.50	10	0	92.8	60-140	0	
Heptane	11.4	0.50	10	0	114	60-140	0	
Hexachlorobutadiene	9.18	0.20	10	0	91.8	60-140	0	
Hexane	11.08	0.50	10	0	111	60-140	0	
m,p-Xylene	20.97	0.50	20	0	105	60-140	0	
Methylene chloride	9.76	2.0	10	0	97.6	60-140	0	
MTBE	11	0.50	10	0	110	60.8-151	0	
Naphthalene	11.79	0.20	10	0	118	53.1-152	0	
o-Xylene	10.59	0.50	10	0	106	60-140	0	
Propene	10.13	0.50	10	0	101	34.4-139	0	
Styrene	11.05	0.50	10	0	110	60-140	0	
Tetrachloroethene	10.2	0.50	10	0	102	60-140	0	
Tetrahydrofuran	10.89	0.50	10	0	109	60-140	0	
Toluene	10.19	0.50	10	0	102	60-140	0	
trans-1,2-Dichloroethene	10.01	0.50	10	0	100	60-140	0	
trans-1,3-Dichloropropene	10	0.50	10	0	100	60-140	0	
Trichloroethene	9.53	0.20	10	0	95.3	60-140	0	
Trichlorofluoromethane	10.1	0.50	10	0	101	60-140	0	
Vinyl acetate	11.36	1.0	10	0	114	48.4-145	0	
Vinyl chloride	8.09	0.50	10	0	80.9	60-140	0	
<i>Surr: Bromofluorobenzene</i>	<i>9.78</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>97.8</i>	<i>60-140</i>	<i>0</i>	

The following samples were analyzed in this batch: 23060305-01a

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

Client:
Project: Spotlight Air Environmental
WorkOrder: 23060305

**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: **07-Jun-23 13:27**

Work Order: **23060305**

Received by: **AB1**

Checklist completed by **Chantel.Allen**
eSignature

07-Jun-23
Date

Reviewed by: **Danielle Strasinger**
eSignature

20-Jun-23
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: 06/07/2023 14:30

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: