

ALS Environmental

Date: 26-Jun-23

Client:

Project: Spotlight Air Environmental

Work Order: 23060304

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>
23060304-01	108576-Mattis and Glenn Park, Champaign, IL	Air		6/2/2023 19:43	6/7/2023 13:27	<input type="checkbox"/>

ALS Environmental

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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, 7:43 p.m.

End: June 2, 3:43 a.m.

As requested, this report was revised on June 26, 2023 to update the spelling on the client sample ID.

ALS Environmental

Date: 26-Jun-23

Client:

Project: Spotlight Air Environmental
Sample ID: 108576-Mattis and Glenn Park, Champaign, IL
Collection Date: 6/2/2023 07:43 PM

Work Order: 23060304
Lab ID: 23060304-01
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	6/16/2023 11:49 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	6/16/2023 11:49 PM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	6/16/2023 11:49 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	6/16/2023 11:49 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	6/16/2023 11:49 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	6/16/2023 11:49 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	6/16/2023 11:49 PM
1,2-Dibromoethane	ND		1.54	µg/m3	1	6/16/2023 11:49 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	6/16/2023 11:49 PM
1,2-Dichloroethane	ND		0.809	µg/m3	1	6/16/2023 11:49 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	6/16/2023 11:49 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	6/16/2023 11:49 PM
1,3-Butadiene	ND		0.442	µg/m3	1	6/16/2023 11:49 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	6/16/2023 11:49 PM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	6/16/2023 11:49 PM
1,4-Dioxane	ND		3.60	µg/m3	1	6/16/2023 11:49 PM
2-Butanone	3.01		2.95	µg/m3	1	6/16/2023 11:49 PM
2-Hexanone	ND		4.10	µg/m3	1	6/16/2023 11:49 PM
2-Propanol	ND		2.46	µg/m3	1	6/16/2023 11:49 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	6/16/2023 11:49 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	6/16/2023 11:49 PM
Acetone	24.1		2.38	µg/m3	1	6/16/2023 11:49 PM
Benzene	ND		1.60	µg/m3	1	6/16/2023 11:49 PM
Benzyl chloride	ND		5.18	µg/m3	1	6/16/2023 11:49 PM
Bromodichloromethane	ND		1.34	µg/m3	1	6/16/2023 11:49 PM
Bromoform	ND		5.17	µg/m3	1	6/16/2023 11:49 PM
Bromomethane	ND		1.94	µg/m3	1	6/16/2023 11:49 PM
Carbon disulfide	4.51		1.56	µg/m3	1	6/16/2023 11:49 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	6/16/2023 11:49 PM
Chlorobenzene	ND		2.30	µg/m3	1	6/16/2023 11:49 PM
Chloroethane	ND		1.32	µg/m3	1	6/16/2023 11:49 PM
Chloroform	ND		0.976	µg/m3	1	6/16/2023 11:49 PM
Chloromethane	1.53		1.03	µg/m3	1	6/16/2023 11:49 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	6/16/2023 11:49 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	6/16/2023 11:49 PM
Cumene	ND		2.46	µg/m3	1	6/16/2023 11:49 PM
Cyclohexane	ND		1.72	µg/m3	1	6/16/2023 11:49 PM
Dibromochloromethane	ND		4.26	µg/m3	1	6/16/2023 11:49 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	6/16/2023 11:49 PM

Note:

ALS Environmental

Date: 26-Jun-23

Client:

Project: Spotlight Air Environmental
Sample ID: 108576-Mattis and Glenn Park, Champaign, IL
Collection Date: 6/2/2023 07:43 PM

Work Order: 23060304
Lab ID: 23060304-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		1.80	µg/m3	1	6/16/2023 11:49 PM
Ethylbenzene	ND		2.17	µg/m3	1	6/16/2023 11:49 PM
Freon 113	ND		3.83	µg/m3	1	6/16/2023 11:49 PM
Freon 114	ND		3.50	µg/m3	1	6/16/2023 11:49 PM
Heptane	ND		2.05	µg/m3	1	6/16/2023 11:49 PM
Hexachlorobutadiene	ND		2.13	µg/m3	1	6/16/2023 11:49 PM
Hexane	ND		1.76	µg/m3	1	6/16/2023 11:49 PM
m,p-Xylene	ND		2.17	µg/m3	1	6/16/2023 11:49 PM
Methylene chloride	ND		7.00	µg/m3	1	6/16/2023 11:49 PM
MTBE	ND		1.80	µg/m3	1	6/16/2023 11:49 PM
Naphthalene	ND		1.05	µg/m3	1	6/16/2023 11:49 PM
o-Xylene	ND		2.17	µg/m3	1	6/16/2023 11:49 PM
Propene	ND		0.861	µg/m3	1	6/16/2023 11:49 PM
Styrene	ND		2.13	µg/m3	1	6/16/2023 11:49 PM
Tetrachloroethene	ND		3.39	µg/m3	1	6/16/2023 11:49 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	6/16/2023 11:49 PM
Toluene	ND		1.88	µg/m3	1	6/16/2023 11:49 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	6/16/2023 11:49 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	6/16/2023 11:49 PM
Trichloroethene	ND		1.07	µg/m3	1	6/16/2023 11:49 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	6/16/2023 11:49 PM
Vinyl acetate	ND		3.52	µg/m3	1	6/16/2023 11:49 PM
Vinyl chloride	ND		1.28	µg/m3	1	6/16/2023 11:49 PM
Surr: Bromofluorobenzene	95.0		60-140	%REC	1	6/16/2023 11:49 PM

Note:

Client:

QC BATCH REPORT

Work Order: 23060304

Project: Spotlight Air Environmental

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: 23060304
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: 23060304

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: 23060304

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>	9.78	0	10	0	97.8	60-140	0	

The following samples were analyzed in this batch: 23060304-01a

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

ALS Environmental

Date: 26-Jun-23

Client:
Project: Spotlight Air Environmental
WorkOrder: 23060304

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: **07-Jun-23 13:27**
 Work Order: **23060304** Received by: **AB1**

Checklist completed by **Chantel.Allen** 07-Jun-23 Reviewed by: **Danielle Strasinger** 20-Jun-23
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: 06/07/2023 14:28

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: