

# ALS Environmental

Date: 20-Jun-23

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 23060306

## 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>
23060306-01	119822-Broadway & Pennsylvania, Champaign, IL (in)	Air		6/2/2023 04:18	6/7/2023 13:27	<input type="checkbox"/>

## ALS Environmental

Date: 20-Jun-23

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 23060306

## Case Narrative

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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, 8:18 p.m.

End: June 2, 4:18 a.m.

# ALS Environmental

Date: 20-Jun-23

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 23060306

**Sample ID:** 119822-Broadway & Pennsylvania, Champaign, IL (in)

**Lab ID:** 23060306-01

**Collection Date:** 6/2/2023 04:18 AM

**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>LAK</b>
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	6/17/2023 01:18 AM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	6/17/2023 01:18 AM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	6/17/2023 01:18 AM
1,1-Dichloroethane	ND		2.02	µg/m3	1	6/17/2023 01:18 AM
1,1-Dichloroethene	ND		1.98	µg/m3	1	6/17/2023 01:18 AM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	6/17/2023 01:18 AM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	6/17/2023 01:18 AM
1,2-Dibromoethane	ND		1.54	µg/m3	1	6/17/2023 01:18 AM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	6/17/2023 01:18 AM
1,2-Dichloroethane	ND		0.809	µg/m3	1	6/17/2023 01:18 AM
1,2-Dichloropropane	ND		2.31	µg/m3	1	6/17/2023 01:18 AM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	6/17/2023 01:18 AM
1,3-Butadiene	ND		0.442	µg/m3	1	6/17/2023 01:18 AM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	6/17/2023 01:18 AM
1,4-Dichlorobenzene	ND		1.20	µg/m3	1	6/17/2023 01:18 AM
1,4-Dioxane	ND		3.60	µg/m3	1	6/17/2023 01:18 AM
<b>2-Butanone</b>	<b>4.81</b>		<b>2.95</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
2-Hexanone	ND		4.10	µg/m3	1	6/17/2023 01:18 AM
<b>2-Propanol</b>	<b>8,960</b>		<b>1,230</b>	<b>µg/m3</b>	500	6/19/2023 05:43 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	6/17/2023 01:18 AM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	6/17/2023 01:18 AM
<b>Acetone</b>	<b>397</b>	E	<b>2.38</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
Benzene	ND		1.60	µg/m3	1	6/17/2023 01:18 AM
Benzyl chloride	ND		5.18	µg/m3	1	6/17/2023 01:18 AM
Bromodichloromethane	ND		1.34	µg/m3	1	6/17/2023 01:18 AM
Bromoform	ND		5.17	µg/m3	1	6/17/2023 01:18 AM
Bromomethane	ND		1.94	µg/m3	1	6/17/2023 01:18 AM
Carbon disulfide	ND		1.56	µg/m3	1	6/17/2023 01:18 AM
Carbon tetrachloride	ND		3.15	µg/m3	1	6/17/2023 01:18 AM
Chlorobenzene	ND		2.30	µg/m3	1	6/17/2023 01:18 AM
Chloroethane	ND		1.32	µg/m3	1	6/17/2023 01:18 AM
<b>Chloroform</b>	<b>6.69</b>		<b>0.976</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
<b>Chloromethane</b>	<b>2.89</b>		<b>1.03</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
<b>cis-1,2-Dichloroethene</b>	<b>5.35</b>		<b>1.98</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	6/17/2023 01:18 AM
Cumene	ND		2.46	µg/m3	1	6/17/2023 01:18 AM
Cyclohexane	ND		1.72	µg/m3	1	6/17/2023 01:18 AM
Dibromochloromethane	ND		4.26	µg/m3	1	6/17/2023 01:18 AM
<b>Dichlorodifluoromethane</b>	<b>2.92</b>		<b>2.47</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM

**Note:**

# ALS Environmental

Date: 20-Jun-23

**Client:**

**Project:** Spotlight Air Environmental

**Work Order:** 23060306

**Sample ID:** 119822-Broadway & Pennsylvania, Champaign, IL (in)

**Lab ID:** 23060306-01

**Collection Date:** 6/2/2023 04:18 AM

**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
<b>Ethyl acetate</b>	<b>23.3</b>		<b>1.80</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
Ethylbenzene	ND		2.17	µg/m3	1	6/17/2023 01:18 AM
Freon 113	ND		3.83	µg/m3	1	6/17/2023 01:18 AM
Freon 114	ND		3.50	µg/m3	1	6/17/2023 01:18 AM
<b>Heptane</b>	<b>43.0</b>		<b>2.05</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
Hexachlorobutadiene	ND		2.13	µg/m3	1	6/17/2023 01:18 AM
<b>Hexane</b>	<b>1.90</b>		<b>1.76</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
m,p-Xylene	ND		2.17	µg/m3	1	6/17/2023 01:18 AM
Methylene chloride	ND		7.00	µg/m3	1	6/17/2023 01:18 AM
MTBE	ND		1.80	µg/m3	1	6/17/2023 01:18 AM
Naphthalene	ND		1.05	µg/m3	1	6/17/2023 01:18 AM
o-Xylene	ND		2.17	µg/m3	1	6/17/2023 01:18 AM
Propene	ND		0.861	µg/m3	1	6/17/2023 01:18 AM
<b>Styrene</b>	<b>2.39</b>		<b>2.13</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
Tetrachloroethene	ND		3.39	µg/m3	1	6/17/2023 01:18 AM
Tetrahydrofuran	ND		1.47	µg/m3	1	6/17/2023 01:18 AM
<b>Toluene</b>	<b>7.54</b>		<b>1.88</b>	<b>µg/m3</b>	1	6/17/2023 01:18 AM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	6/17/2023 01:18 AM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	6/17/2023 01:18 AM
Trichloroethene	ND		1.07	µg/m3	1	6/17/2023 01:18 AM
Trichlorofluoromethane	ND		2.81	µg/m3	1	6/17/2023 01:18 AM
Vinyl acetate	ND		3.52	µg/m3	1	6/17/2023 01:18 AM
Vinyl chloride	ND		1.28	µg/m3	1	6/17/2023 01:18 AM
<i>Surr: Bromofluorobenzene</i>	<i>102</i>		<i>60-140</i>	<i>%REC</i>	1	6/17/2023 01:18 AM

**Note:**

Batch ID: **R217682** Instrument ID **VMS4** Method: **ETO-15**

MBLK		Sample ID: <b>MBLK-R217682</b>			Units: <b>ppbv</b>		Analysis Date: <b>6/19/2023 10:18 AM</b>			
Client ID:		Run ID: <b>VMS4_230619A</b>			SeqNo: <b>3080073</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	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								

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

**Client:**

**QC BATCH REPORT**

**Work Order:** 23060306

**Project:** Spotlight Air Environmental

Batch ID: <b>R217682</b>	Instrument ID <b>VMS4</b>	Method: <b>ETO-15</b>					
Ethylbenzene	ND	0.50					
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>	8.32	0	10	0	83.2	60-140	0

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

Client:

QC BATCH REPORT

Work Order: 23060306

Project: Spotlight Air Environmental

Batch ID: R217682

Instrument ID VMS4

Method: ETO-15

LCS		Sample ID: Ics-R217682				Units: ppbv		Analysis Date: 6/19/2023 09:26 AM		
Client ID:		Run ID: VMS4_230619A			SeqNo: 3080072		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	10.94	0.50	10	0	109	58.8-163	0			
1,1,2,2-Tetrachloroethane	9.91	0.50	10	0	99.1	60-140	0			
1,1,2-Trichloroethane	10.43	0.20	10	0	104	60-140	0			
1,1-Dichloroethane	11.01	0.50	10	0	110	60-140	0			
1,1-Dichloroethene	11.8	0.50	10	0	118	60-140	0			
1,2,4-Trichlorobenzene	11.72	0.50	10	0	117	49.3-150	0			
1,2,4-Trimethylbenzene	12.99	0.50	10	0	130	50.1-162	0			
1,2-Dibromoethane	10.44	0.20	10	0	104	60-140	0			
1,2-Dichlorobenzene	12.44	0.50	10	0	124	41.9-141	0			
1,2-Dichloroethane	11.59	0.20	10	0	116	60-140	0			
1,2-Dichloropropane	10.5	0.50	10	0	105	60-140	0			
1,3,5-Trimethylbenzene	12.32	0.50	10	0	123	60-140	0			
1,3-Butadiene	13.05	0.20	10	0	130	50.6-140	0			
1,3-Dichlorobenzene	12.62	0.50	10	0	126	60-140	0			
1,4-Dichlorobenzene	12.55	0.20	10	0	126	55.1-145	0			
1,4-Dioxane	10.55	1.0	10	0	106	60-140	0			
2-Butanone	11.81	1.0	10	0	118	60-140	0			
2-Hexanone	12.32	1.0	10	0	123	56.2-162	0			
2-Propanol	12.94	1.0	10	0	129	60-140	0			
4-Ethyltoluene	13.1	0.50	10	0	131	60-140	0			
4-Methyl-2-pentanone	12.69	1.0	10	0	127	60-140	0			
Acetone	12.04	1.0	10	0	120	60-140	0			
Benzene	10.99	0.50	10	0	110	60-140	0			
Benzyl chloride	12.47	1.0	10	0	125	31.9-174	0			
Bromodichloromethane	10.55	0.20	10	0	106	60-140	0			
Bromoform	11.13	0.50	10	0	111	60-140	0			
Bromomethane	12.95	0.50	10	0	130	60-140	0			
Carbon disulfide	10.65	0.50	10	0	106	60-140	0			
Carbon tetrachloride	11.41	0.50	10	0	114	60-140	0			
Chlorobenzene	10.83	0.50	10	0	108	60-140	0			
Chloroethane	10.03	0.50	10	0	100	60-140	0			
Chloroform	10.8	0.20	10	0	108	60-140	0			
Chloromethane	11.36	0.50	10	0	114	60-140	0			
cis-1,2-Dichloroethene	12.12	0.50	10	0	121	60-140	0			
cis-1,3-Dichloropropene	11.26	0.50	10	0	113	60-140	0			
Cumene	12.26	0.50	10	0	123	60-140	0			
Cyclohexane	11.43	0.50	10	0	114	60-140	0			
Dibromochloromethane	10.96	0.50	10	0	110	60-140	0			
Dichlorodifluoromethane	10.95	0.50	10	0	110	60-140	0			
Ethyl acetate	11.82	0.50	10	0	118	60-140	0			
Ethylbenzene	11.65	0.50	10	0	116	60-140	0			

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

Client:

# QC BATCH REPORT

Work Order: 23060306

Project: Spotlight Air Environmental

Batch ID: <b>R217682</b>	Instrument ID <b>VMS4</b>	Method: <b>ETO-15</b>						
Freon 113	10.39	0.50	10	0	104	60-140	0	
Freon 114	10.44	0.50	10	0	104	60-140	0	
Heptane	13.92	0.50	10	0	139	60-140	0	
Hexachlorobutadiene	9.74	0.20	10	0	97.4	60-140	0	
Hexane	12.75	0.50	10	0	128	60-140	0	
m,p-Xylene	23.49	0.50	20	0	117	60-140	0	
Methylene chloride	11.68	2.0	10	0	117	60-140	0	
MTBE	12.01	0.50	10	0	120	60.8-151	0	
Naphthalene	11.91	0.20	10	0	119	53.1-152	0	
o-Xylene	11.86	0.50	10	0	119	60-140	0	
Propene	12.59	0.50	10	0	126	34.4-139	0	
Styrene	12.19	0.50	10	0	122	60-140	0	
Tetrachloroethene	10.8	0.50	10	0	108	60-140	0	
Tetrahydrofuran	13.26	0.50	10	0	133	60-140	0	
Toluene	11.52	0.50	10	0	115	60-140	0	
trans-1,2-Dichloroethene	10.85	0.50	10	0	108	60-140	0	
trans-1,3-Dichloropropene	11.29	0.50	10	0	113	60-140	0	
Trichloroethene	10.43	0.20	10	0	104	60-140	0	
Trichlorofluoromethane	10.77	0.50	10	0	108	60-140	0	
Vinyl acetate	13.64	1.0	10	0	136	48.4-145	0	
Vinyl chloride	12.14	0.50	10	0	121	60-140	0	
<i>Surr: Bromofluorobenzene</i>	<i>10.14</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>101</i>	<i>60-140</i>	<i>0</i>	

The following samples were analyzed in this batch: 23060306-01a

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



Client:

# QC BATCH REPORT

Work Order: 23060306

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:**

**QC BATCH REPORT**

**Work Order:** 23060306

**Project:** Spotlight Air Environmental

Batch ID: <b>R217699</b>	Instrument ID <b>VMS4</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>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:** 23060306

**Project:** Spotlight Air Environmental

Batch ID: **R217699**

Instrument ID **VMS4**

Method: **ETO-15**

LCS		Sample ID: <b>Ics-R217699</b>				Units: <b>ppbv</b>		Analysis Date: <b>6/16/2023 10:54 AM</b>		
Client ID:		Run ID: <b>VMS4_230616A</b>			SeqNo: <b>3078806</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	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			

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

Client:

# QC BATCH REPORT

Work Order: 23060306

Project: Spotlight Air Environmental

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Batch ID: <b>R217699</b>	Instrument ID <b>VMS4</b>	Method: <b>ETO-15</b>						
Freon 113	9.6	0.50	10	0	96	60-140	0	
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	

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The following samples were analyzed in this batch: 23060306-01a

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

# ALS Environmental

Date: 20-Jun-23

**Client:**  
**Project:** Spotlight Air Environmental  
**WorkOrder:** 23060306

## QUALIFIERS, ACRONYMS, UNITS

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<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 <sup>3</sup>	
ppbv	

Sample Receipt Checklist

Client Name:

Date/Time Received: **07-Jun-23 13:27**

Work Order: **23060306**

Received by: **AB1**

Checklist completed by **Alec Bolender**  
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:

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: