ALS Environmental

Date: 13-Mar-24

Client:
Project: Spotlight Air Environmental
Work Order: **24021146**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24021146-01	Robert Dr and Augusta Dr, Champaign, IL	Air		2/23/2024 23:18	2/28/2024 14:18	☐

ALS Environmental

Date: *13-Mar-24*

Client:

Project: Spotlight Air Environmental

Work Order: 24021146

Sample ID: Robert Dr and Augusta Dr, Champaign, IL

Lab ID: 24021146-01

Collection Date: 2/23/2024 11:18 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			**ETO-15**			Analyst: **EMC**
1,1,1-Trichloroethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,1,2-Trichloroethane	ND		0.20	ppbv	1	3/4/2024 09:05 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,2-Dibromoethane	ND		0.20	ppbv	1	3/4/2024 09:05 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,2-Dichloroethane	ND		0.20	ppbv	1	3/4/2024 09:05 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,3-Butadiene	ND		0.20	ppbv	1	3/4/2024 09:05 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
1,4-Dichlorobenzene	**39**		**2.0**	**ppbv**	10	3/11/2024 02:25 PM
1,4-Dioxane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
2-Butanone	ND		1.0	ppbv	1	3/4/2024 09:05 PM
2-Hexanone	ND		1.0	ppbv	1	3/4/2024 09:05 PM
2-Propanol	**23**		**10**	**ppbv**	10	3/11/2024 02:25 PM
4-Ethyltoluene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
4-Methyl-2-pentanone	ND		1.0	ppbv	1	3/4/2024 09:05 PM
Acetone	**24**		**10**	**ppbv**	10	3/11/2024 02:25 PM
Benzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Benzyl chloride	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Bromodichloromethane	ND		0.20	ppbv	1	3/4/2024 09:05 PM
Bromoform	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Bromomethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Carbon disulfide	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Carbon tetrachloride	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Chlorobenzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Chloroethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Chloroform	ND		0.20	ppbv	1	3/4/2024 09:05 PM
Chloromethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Cumene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Cyclohexane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Dibromochloromethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM

Note:

ALS Environmental

Date: *13-Mar-24*

Client:

Project: Spotlight Air Environmental

Work Order: 24021146

Sample ID: Robert Dr and Augusta Dr, Champaign, IL

Lab ID: 24021146-01

Collection Date: 2/23/2024 11:18 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Ethylbenzene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Freon 113	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Freon 114	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Heptane	**3.2**		**0.50**	**ppbv**	1	3/4/2024 09:05 PM
Hexachlorobutadiene	ND		0.20	ppbv	1	3/4/2024 09:05 PM
Hexane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
m,p-Xylene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Methylene chloride	ND		2.0	ppbv	1	3/4/2024 09:05 PM
MTBE	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Naphthalene	**0.38**		**0.20**	**ppbv**	1	3/4/2024 09:05 PM
o-Xylene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Propene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Styrene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Tetrachloroethene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Tetrahydrofuran	**0.61**		**0.50**	**ppbv**	1	3/4/2024 09:05 PM
Toluene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Trichloroethene	ND		0.20	ppbv	1	3/4/2024 09:05 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Vinyl acetate	ND		1.0	ppbv	1	3/4/2024 09:05 PM
Vinyl chloride	ND		0.50	ppbv	1	3/4/2024 09:05 PM
Surr: Bromofluorobenzene	*109*		*60-140*	*%REC*	1	3/4/2024 09:05 PM
TO-15 BY GC/MS			**ETO-15**			Analyst: **EMC**
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	3/4/2024 09:05 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	3/4/2024 09:05 PM
1,1,2-Trichloroethane	ND		1.09	µg/m3	1	3/4/2024 09:05 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	3/4/2024 09:05 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	3/4/2024 09:05 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	3/4/2024 09:05 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	3/4/2024 09:05 PM
1,2-Dibromoethane	ND		1.54	µg/m3	1	3/4/2024 09:05 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	3/4/2024 09:05 PM
1,2-Dichloroethane	ND		0.809	µg/m3	1	3/4/2024 09:05 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	3/4/2024 09:05 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	3/4/2024 09:05 PM
1,3-Butadiene	ND		0.442	µg/m3	1	3/4/2024 09:05 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	3/4/2024 09:05 PM
1,4-Dichlorobenzene	**236**		**12.0**	**µg/m3**	10	3/11/2024 02:25 PM

Note:

ALS Environmental

Date: *13-Mar-24*

Client:

Project: Spotlight Air Environmental

Work Order: 24021146

Sample ID: Robert Dr and Augusta Dr, Champaign, IL

Lab ID: 24021146-01

Collection Date: 2/23/2024 11:18 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		1.80	µg/m3	1	3/4/2024 09:05 PM
2-Butanone	ND		2.95	µg/m3	1	3/4/2024 09:05 PM
2-Hexanone	ND		4.10	µg/m3	1	3/4/2024 09:05 PM
2-Propanol	**56.8**		**24.6**	**µg/m3**	10	3/11/2024 02:25 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	3/4/2024 09:05 PM
4-Methyl-2-pentanone	ND		4.10	µg/m3	1	3/4/2024 09:05 PM
Acetone	**56.5**		**23.8**	**µg/m3**	10	3/11/2024 02:25 PM
Benzene	ND		1.60	µg/m3	1	3/4/2024 09:05 PM
Benzyl chloride	ND		2.55	µg/m3	1	3/4/2024 09:05 PM
Bromodichloromethane	ND		1.34	µg/m3	1	3/4/2024 09:05 PM
Bromoform	ND		5.17	µg/m3	1	3/4/2024 09:05 PM
Bromomethane	ND		1.94	µg/m3	1	3/4/2024 09:05 PM
Carbon disulfide	ND		1.56	µg/m3	1	3/4/2024 09:05 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	3/4/2024 09:05 PM
Chlorobenzene	ND		2.30	µg/m3	1	3/4/2024 09:05 PM
Chloroethane	ND		1.32	µg/m3	1	3/4/2024 09:05 PM
Chloroform	ND		0.976	µg/m3	1	3/4/2024 09:05 PM
Chloromethane	ND		1.03	µg/m3	1	3/4/2024 09:05 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/4/2024 09:05 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/4/2024 09:05 PM
Cumene	ND		2.46	µg/m3	1	3/4/2024 09:05 PM
Cyclohexane	ND		1.72	µg/m3	1	3/4/2024 09:05 PM
Dibromochloromethane	ND		4.26	µg/m3	1	3/4/2024 09:05 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	3/4/2024 09:05 PM
Ethyl acetate	ND		1.80	µg/m3	1	3/4/2024 09:05 PM
Ethylbenzene	ND		2.17	µg/m3	1	3/4/2024 09:05 PM
Freon 113	ND		3.83	µg/m3	1	3/4/2024 09:05 PM
Freon 114	ND		3.50	µg/m3	1	3/4/2024 09:05 PM
Heptane	**13.0**		**2.05**	**µg/m3**	1	3/4/2024 09:05 PM
Hexachlorobutadiene	ND		2.13	µg/m3	1	3/4/2024 09:05 PM
Hexane	ND		1.76	µg/m3	1	3/4/2024 09:05 PM
m,p-Xylene	ND		2.17	µg/m3	1	3/4/2024 09:05 PM
Methylene chloride	ND		7.00	µg/m3	1	3/4/2024 09:05 PM
MTBE	ND		1.80	µg/m3	1	3/4/2024 09:05 PM
Naphthalene	**1.99**		**1.05**	**µg/m3**	1	3/4/2024 09:05 PM
o-Xylene	ND		2.17	µg/m3	1	3/4/2024 09:05 PM
Propene	ND		0.861	µg/m3	1	3/4/2024 09:05 PM
Styrene	ND		2.13	µg/m3	1	3/4/2024 09:05 PM
Tetrachloroethene	ND		3.39	µg/m3	1	3/4/2024 09:05 PM
Tetrahydrofuran	**1.80**		**1.47**	**µg/m3**	1	3/4/2024 09:05 PM

Note:

ALS Environmental

Date: *13-Mar-24*

Client:

Project: Spotlight Air Environmental

Work Order: 24021146

Sample ID: Robert Dr and Augusta Dr, Champaign, IL

Lab ID: 24021146-01

Collection Date: 2/23/2024 11:18 PM

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		1.88	µg/m3	1	3/4/2024 09:05 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	3/4/2024 09:05 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	3/4/2024 09:05 PM
Trichloroethene	ND		1.07	µg/m3	1	3/4/2024 09:05 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	3/4/2024 09:05 PM
Vinyl acetate	ND		3.52	µg/m3	1	3/4/2024 09:05 PM
Vinyl chloride	ND		1.28	µg/m3	1	3/4/2024 09:05 PM
Surr: Bromofluorobenzene	*109*		*60-140*	*%REC*	1	3/4/2024 09:05 PM

Note:

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

MBLK Sample ID: **BLK-R226878** Units: **ppbv** Analysis Date: **3/4/2024 11:08 AM**

Client ID: Run ID: **VMS7_240304A** SeqNo: **3316147** 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.

QC BATCH REPORT

Batch ID: **R226878** Instrument ID **VMS7** 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					
Surr: Bromofluorobenzene	*10.86*	0	*10*	0	*109*	*60-140*	0

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

Client:
Work Order: 24021146
Project: Spotlight Air Environmental

QC BATCH REPORT

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

LCS Sample ID: **LCS-R226878** Units: **ppbv** Analysis Date: **3/4/2024 10:21 AM**
Client ID: Run ID: **VMS7_240304A** SeqNo: **3316146** 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	9.12	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:

Work Order: 24021146

Project: Spotlight Air Environmental

QC BATCH REPORT

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

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
Surr: Bromofluorobenzene	*8.85*	0	*10*	0	*88.5*	*60-140*	0

The following samples were analyzed in this batch: 24021146-01a

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

Client:
Work Order: 24021146
Project: Spotlight Air Environmental

QC BATCH REPORT

Batch ID: **R227111** Instrument ID **VMS4** Method: **ETO-15**

MBLK	Sample ID: **mblk-R227111**				Units: **ppbv**			Analysis Date: **3/11/2024 12:06 PM**		
Client ID:		Run ID: **VMS4_240311A**			SeqNo: **3321928**	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								
Freon 113	ND	0.50								

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

QC BATCH REPORT

Batch ID: **R227111** Instrument ID **VMS4** Method: **ETO-15**

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					
Surr: Bromofluorobenzene	*8.97*	0	*10*	0	*89.7*	*60-140*	0

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

Client:
Work Order: 24021146
Project: Spotlight Air Environmental

QC BATCH REPORT

Batch ID: **R227111** Instrument ID **VMS4** Method: **ETO-15**

LCS Sample ID: **lcs-R227111** Units: **ppbv** Analysis Date: **3/11/2024 10:10 AM**

Client ID: Run ID: **VMS4_240311A** SeqNo: **3321927** 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	8.6	0.50	10	0	86	58.8-163	0			
1,1,2,2-Tetrachloroethane	8.19	0.50	10	0	81.9	60-140	0			
1,1,2-Trichloroethane	8.44	0.20	10	0	84.4	60-140	0			
1,1-Dichloroethane	8.6	0.50	10	0	86	60-140	0			
1,1-Dichloroethene	8.95	0.50	10	0	89.5	60-140	0			
1,2,4-Trichlorobenzene	7.59	0.50	10	0	75.9	49.3-150	0			
1,2,4-Trimethylbenzene	9.59	0.50	10	0	95.9	50.1-162	0			
1,2-Dibromoethane	8.44	0.20	10	0	84.4	60-140	0			
1,2-Dichlorobenzene	9.2	0.50	10	0	92	41.9-141	0			
1,2-Dichloroethane	9.3	0.20	10	0	93	60-140	0			
1,2-Dichloropropane	8.73	0.50	10	0	87.3	60-140	0			
1,3,5-Trimethylbenzene	9.3	0.50	10	0	93	60-140	0			
1,3-Butadiene	10.84	0.20	10	0	108	50.6-140	0			
1,3-Dichlorobenzene	9.21	0.50	10	0	92.1	60-140	0			
1,4-Dichlorobenzene	8.99	0.20	10	0	89.9	55.1-145	0			
1,4-Dioxane	8.92	0.50	10	0	89.2	60-140	0			
2-Butanone	9.07	1.0	10	0	90.7	60-140	0			
2-Hexanone	11.29	1.0	10	0	113	56.2-162	0			
2-Propanol	10.22	1.0	10	0	102	60-140	0			
4-Ethyltoluene	10.02	0.50	10	0	100	60-140	0			
4-Methyl-2-pentanone	10.97	1.0	10	0	110	60-140	0			
Acetone	9.68	1.0	10	0	96.8	60-140	0			
Benzene	8.67	0.50	10	0	86.7	60-140	0			
Benzyl chloride	9.55	0.50	10	0	95.5	31.9-174	0			
Bromodichloromethane	8.66	0.20	10	0	86.6	60-140	0			
Bromoform	8.41	0.50	10	0	84.1	60-140	0			
Bromomethane	10.13	0.50	10	0	101	60-140	0			
Carbon disulfide	8.22	0.50	10	0	82.2	60-140	0			
Carbon tetrachloride	8.84	0.50	10	0	88.4	60-140	0			
Chlorobenzene	8.32	0.50	10	0	83.2	60-140	0			
Chloroethane	15.6	0.50	10	0	156	60-140	0			S
Chloroform	8.46	0.20	10	0	84.6	60-140	0			
Chloromethane	9.59	0.50	10	0	95.9	60-140	0			
cis-1,2-Dichloroethene	9.28	0.50	10	0	92.8	60-140	0			
cis-1,3-Dichloropropene	8.96	0.50	10	0	89.6	60-140	0			
Cumene	9.29	0.50	10	0	92.9	60-140	0			
Cyclohexane	8.8	0.50	10	0	88	60-140	0			
Dibromochloromethane	8.76	0.50	10	0	87.6	60-140	0			
Dichlorodifluoromethane	9.01	0.50	10	0	90.1	60-140	0			
Ethyl acetate	8.03	0.50	10	0	80.3	60-140	0			
Ethylbenzene	8.85	0.50	10	0	88.5	60-140	0			
Freon 113	8	0.50	10	0	80	60-140	0			

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

Client:

Work Order: 24021146

Project: Spotlight Air Environmental

QC BATCH REPORT

Batch ID: **R227111** Instrument ID **VMS4** Method: **ETO-15**

Freon 114	8.75	0.50	10	0	87.5	60-140	0
Heptane	10.34	0.50	10	0	103	60-140	0
Hexachlorobutadiene	7.22	0.20	10	0	72.2	60-140	0
Hexane	9.48	0.50	10	0	94.8	60-140	0
m,p-Xylene	17.83	0.50	20	0	89.2	60-140	0
Methylene chloride	8.97	2.0	10	0	89.7	60-140	0
MTBE	8.97	0.50	10	0	89.7	60.8-151	0
Naphthalene	7.79	0.20	10	0	77.9	53.1-152	0
o-Xylene	9.14	0.50	10	0	91.4	60-140	0
Propene	10.35	0.50	10	0	104	34.4-139	0
Styrene	9.43	0.50	10	0	94.3	60-140	0
Tetrachloroethene	8.45	0.50	10	0	84.5	60-140	0
Tetrahydrofuran	10.07	0.50	10	0	101	60-140	0
Toluene	9.08	0.50	10	0	90.8	60-140	0
trans-1,2-Dichloroethene	8.41	0.50	10	0	84.1	60-140	0
trans-1,3-Dichloropropene	8.63	0.50	10	0	86.3	60-140	0
Trichloroethene	8.48	0.20	10	0	84.8	60-140	0
Trichlorofluoromethane	8.13	0.50	10	0	81.3	60-140	0
Vinyl acetate	10.09	1.0	10	0	101	48.4-145	0
Vinyl chloride	10.12	0.50	10	0	101	60-140	0
Surr: Bromofluorobenzene	*10.28*	0	*10*	0	*103*	*60-140*	0

The following samples were analyzed in this batch: 24021146-01a

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

ALS Environmental

Date: 13-Mar-24

Client:
Project: Spotlight Air Environmental
WorkOrder: **24021146**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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

Acronym	Description
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 Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/m3	
ppbv	

ALS Environmental

Sample Receipt Checklist

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

Work Order: **24021146** Received by: **AB1**

Checklist completed by Chantel.Allen eSignature 28-Feb-24 Date Reviewed by: Danielle Strasinger eSignature 11-Mar-24 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 14:52		
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: