

CERTIFICATIONS

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

A2LA Certification #: 2926.01*

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification (A2LA) #: R-036

North Dakota Certification (MN) #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110*

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10623800001	OA-S-1 (U5-45 and Stadium Dr)	Air	08/27/22 15:20	09/01/22 09:35

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SAMPLE ANALYTE COUNT

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10623800001	OA-S-1 (U5-45 and Stadium Dr)	TO-15	HMH	61

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

Sample: OA-S-1 (U5-45 and Stadium Dr) **Lab ID:** 10623800001 **Collected:** 08/27/22 15:20 **Received:** 09/01/22 09:35 **Matrix:** Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
Acetone	10.5	ug/m3	6.0	1		09/02/22 15:04	67-64-1	
Benzene	ND	ug/m3	0.32	1		09/02/22 15:04	71-43-2	
Benzyl chloride	ND	ug/m3	2.6	1		09/02/22 15:04	100-44-7	
Bromodichloromethane	ND	ug/m3	1.4	1		09/02/22 15:04	75-27-4	
Bromoform	ND	ug/m3	5.2	1		09/02/22 15:04	75-25-2	
Bromomethane	ND	ug/m3	0.79	1		09/02/22 15:04	74-83-9	
1,3-Butadiene	ND	ug/m3	0.45	1		09/02/22 15:04	106-99-0	
2-Butanone (MEK)	ND	ug/m3	3.0	1		09/02/22 15:04	78-93-3	
Carbon disulfide	ND	ug/m3	0.63	1		09/02/22 15:04	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.3	1		09/02/22 15:04	56-23-5	
Chlorobenzene	ND	ug/m3	0.94	1		09/02/22 15:04	108-90-7	
Chloroethane	ND	ug/m3	0.54	1		09/02/22 15:04	75-00-3	
Chloroform	ND	ug/m3	0.50	1		09/02/22 15:04	67-66-3	
Chloromethane	0.89	ug/m3	0.42	1		09/02/22 15:04	74-87-3	
Cyclohexane	ND	ug/m3	1.8	1		09/02/22 15:04	110-82-7	
Dibromochloromethane	ND	ug/m3	1.7	1		09/02/22 15:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	0.78	1		09/02/22 15:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	3.1	1		09/02/22 15:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	3.1	1		09/02/22 15:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.1	1		09/02/22 15:04	106-46-7	
Dichlorodifluoromethane	1.6	ug/m3	1.0	1		09/02/22 15:04	75-71-8	
1,1-Dichloroethane	ND	ug/m3	0.82	1		09/02/22 15:04	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.82	1		09/02/22 15:04	107-06-2	
1,1-Dichloroethene	ND	ug/m3	0.81	1		09/02/22 15:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	0.81	1		09/02/22 15:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	0.81	1		09/02/22 15:04	156-60-5	
1,2-Dichloropropane	ND	ug/m3	0.94	1		09/02/22 15:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	2.3	1		09/02/22 15:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.3	1		09/02/22 15:04	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	1.4	1		09/02/22 15:04	76-14-2	
Ethanol	11.9	ug/m3	1.9	1		09/02/22 15:04	64-17-5	
Ethyl acetate	ND	ug/m3	0.73	1		09/02/22 15:04	141-78-6	
Ethylbenzene	ND	ug/m3	0.88	1		09/02/22 15:04	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.5	1		09/02/22 15:04	622-96-8	
n-Heptane	ND	ug/m3	0.83	1		09/02/22 15:04	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	5.4	1		09/02/22 15:04	87-68-3	
n-Hexane	ND	ug/m3	0.72	1		09/02/22 15:04	110-54-3	
2-Hexanone	ND	ug/m3	4.2	1		09/02/22 15:04	591-78-6	
Methylene Chloride	ND	ug/m3	3.5	1		09/02/22 15:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.2	1		09/02/22 15:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	3.7	1		09/02/22 15:04	1634-04-4	
Naphthalene	ND	ug/m3	2.7	1		09/02/22 15:04	91-20-3	
2-Propanol	ND	ug/m3	2.5	1		09/02/22 15:04	67-63-0	
Propylene	ND	ug/m3	0.88	1		09/02/22 15:04	115-07-1	
Styrene	ND	ug/m3	0.87	1		09/02/22 15:04	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

Sample: OA-S-1 (U5-45 and Stadium Dr) **Lab ID:** 10623800001 Collected: 08/27/22 15:20 Received: 09/01/22 09:35 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15 Pace Analytical Services - Minneapolis						
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.4	1		09/02/22 15:04	79-34-5	
Tetrachloroethene	ND	ug/m3	0.69	1		09/02/22 15:04	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.60	1		09/02/22 15:04	109-99-9	
Toluene	ND	ug/m3	0.77	1		09/02/22 15:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	7.5	1		09/02/22 15:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	1.1	1		09/02/22 15:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.56	1		09/02/22 15:04	79-00-5	
Trichloroethene	ND	ug/m3	0.55	1		09/02/22 15:04	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.1	1		09/02/22 15:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	1.6	1		09/02/22 15:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.0	1		09/02/22 15:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.0	1		09/02/22 15:04	108-67-8	
Vinyl acetate	ND	ug/m3	0.72	1		09/02/22 15:04	108-05-4	
Vinyl chloride	ND	ug/m3	0.52	1		09/02/22 15:04	75-01-4	
m&p-Xylene	ND	ug/m3	1.8	1		09/02/22 15:04	179601-23-1	
o-Xylene	ND	ug/m3	0.88	1		09/02/22 15:04	95-47-6	

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QUALITY CONTROL DATA

Project: 22-0128 Spotlight Air Env.
Pace Project No.: 10623800

QC Batch: 838515	Analysis Method: TO-15
QC Batch Method: TO-15	Analysis Description: TO15 MSV AIR Low Level
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10623800001

METHOD BLANK: 4439107 Matrix: Air
Associated Lab Samples: 10623800001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	09/02/22 09:55	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	09/02/22 09:55	
1,1,2-Trichloroethane	ug/m3	ND	0.56	09/02/22 09:55	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	09/02/22 09:55	
1,1-Dichloroethane	ug/m3	ND	0.82	09/02/22 09:55	
1,1-Dichloroethene	ug/m3	ND	0.81	09/02/22 09:55	
1,2,4-Trichlorobenzene	ug/m3	ND	7.5	09/02/22 09:55	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	09/02/22 09:55	
1,2-Dibromoethane (EDB)	ug/m3	ND	0.78	09/02/22 09:55	
1,2-Dichlorobenzene	ug/m3	ND	3.1	09/02/22 09:55	
1,2-Dichloroethane	ug/m3	ND	0.82	09/02/22 09:55	
1,2-Dichloropropane	ug/m3	ND	0.94	09/02/22 09:55	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	09/02/22 09:55	
1,3-Butadiene	ug/m3	ND	0.45	09/02/22 09:55	
1,3-Dichlorobenzene	ug/m3	ND	3.1	09/02/22 09:55	
1,4-Dichlorobenzene	ug/m3	ND	3.1	09/02/22 09:55	
2-Butanone (MEK)	ug/m3	ND	3.0	09/02/22 09:55	
2-Hexanone	ug/m3	ND	4.2	09/02/22 09:55	
2-Propanol	ug/m3	ND	2.5	09/02/22 09:55	
4-Ethyltoluene	ug/m3	ND	2.5	09/02/22 09:55	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	4.2	09/02/22 09:55	
Acetone	ug/m3	ND	6.0	09/02/22 09:55	
Benzene	ug/m3	ND	0.32	09/02/22 09:55	
Benzyl chloride	ug/m3	ND	2.6	09/02/22 09:55	
Bromodichloromethane	ug/m3	ND	1.4	09/02/22 09:55	
Bromoform	ug/m3	ND	5.2	09/02/22 09:55	
Bromomethane	ug/m3	ND	0.79	09/02/22 09:55	
Carbon disulfide	ug/m3	ND	0.63	09/02/22 09:55	
Carbon tetrachloride	ug/m3	ND	1.3	09/02/22 09:55	
Chlorobenzene	ug/m3	ND	0.94	09/02/22 09:55	
Chloroethane	ug/m3	ND	0.54	09/02/22 09:55	
Chloroform	ug/m3	ND	0.50	09/02/22 09:55	
Chloromethane	ug/m3	ND	0.42	09/02/22 09:55	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	09/02/22 09:55	
cis-1,3-Dichloropropene	ug/m3	ND	2.3	09/02/22 09:55	
Cyclohexane	ug/m3	ND	1.8	09/02/22 09:55	
Dibromochloromethane	ug/m3	ND	1.7	09/02/22 09:55	
Dichlorodifluoromethane	ug/m3	ND	1.0	09/02/22 09:55	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	09/02/22 09:55	
Ethanol	ug/m3	ND	1.9	09/02/22 09:55	

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QUALITY CONTROL DATA

Project: 22-0128 Spotlight Air Env.
Pace Project No.: 10623800

METHOD BLANK: 4439107 Matrix: Air
Associated Lab Samples: 10623800001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl acetate	ug/m3	ND	0.73	09/02/22 09:55	
Ethylbenzene	ug/m3	ND	0.88	09/02/22 09:55	
Hexachloro-1,3-butadiene	ug/m3	ND	5.4	09/02/22 09:55	
m&p-Xylene	ug/m3	ND	1.8	09/02/22 09:55	
Methyl-tert-butyl ether	ug/m3	ND	3.7	09/02/22 09:55	
Methylene Chloride	ug/m3	ND	3.5	09/02/22 09:55	
n-Heptane	ug/m3	ND	0.83	09/02/22 09:55	
n-Hexane	ug/m3	ND	0.72	09/02/22 09:55	
Naphthalene	ug/m3	ND	2.7	09/02/22 09:55	
o-Xylene	ug/m3	ND	0.88	09/02/22 09:55	
Propylene	ug/m3	ND	0.88	09/02/22 09:55	
Styrene	ug/m3	ND	0.87	09/02/22 09:55	
Tetrachloroethene	ug/m3	ND	0.69	09/02/22 09:55	
Tetrahydrofuran	ug/m3	ND	0.60	09/02/22 09:55	
Toluene	ug/m3	ND	0.77	09/02/22 09:55	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	09/02/22 09:55	
trans-1,3-Dichloropropene	ug/m3	ND	2.3	09/02/22 09:55	
Trichloroethene	ug/m3	ND	0.55	09/02/22 09:55	
Trichlorofluoromethane	ug/m3	ND	1.1	09/02/22 09:55	
Vinyl acetate	ug/m3	ND	0.72	09/02/22 09:55	
Vinyl chloride	ug/m3	ND	0.52	09/02/22 09:55	

LABORATORY CONTROL SAMPLE: 4439108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	57.7	52.8	92	70-130	
1,1,2,2-Tetrachloroethane	ug/m3	73.1	72.3	99	70-132	
1,1,2-Trichloroethane	ug/m3	58.2	56.0	96	70-131	
1,1,2-Trichlorotrifluoroethane	ug/m3	82.4	69.5	84	70-130	
1,1-Dichloroethane	ug/m3	43.4	40.9	94	70-130	
1,1-Dichloroethene	ug/m3	42.6	35.1	82	70-130	
1,2,4-Trichlorobenzene	ug/m3	174	151	87	70-130	
1,2,4-Trimethylbenzene	ug/m3	52.3	48.7	93	70-137	
1,2-Dibromoethane (EDB)	ug/m3	80.5	78.6	98	70-137	
1,2-Dichlorobenzene	ug/m3	63.9	54.7	86	70-131	
1,2-Dichloroethane	ug/m3	43.4	38.1	88	70-134	
1,2-Dichloropropane	ug/m3	48.7	45.9	94	70-130	
1,3,5-Trimethylbenzene	ug/m3	52.1	49.4	95	70-131	
1,3-Butadiene	ug/m3	23.5	20.3	86	70-139	
1,3-Dichlorobenzene	ug/m3	63.9	55.3	87	70-134	
1,4-Dichlorobenzene	ug/m3	64.1	54.7	85	70-131	
2-Butanone (MEK)	ug/m3	31.5	29.6	94	70-133	
2-Hexanone	ug/m3	43.4	45.9	106	70-136	
2-Propanol	ug/m3	136	118	86	65-133	

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QUALITY CONTROL DATA

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

LABORATORY CONTROL SAMPLE: 4439108

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Ethyltoluene	ug/m3	52.2	50.3	96	70-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	43.9	42.7	97	70-130	
Acetone	ug/m3	126	113	90	60-134	
Benzene	ug/m3	34.1	33.6	99	70-130	
Benzyl chloride	ug/m3	55.4	51.8	93	70-130	
Bromodichloromethane	ug/m3	71.5	66.7	93	70-130	
Bromoform	ug/m3	110	100	91	70-138	
Bromomethane	ug/m3	41.1	31.2	76	68-131	
Carbon disulfide	ug/m3	33.5	29.8	89	70-130	
Carbon tetrachloride	ug/m3	66.7	59.5	89	70-132	
Chlorobenzene	ug/m3	48.8	47.2	97	70-130	
Chloroethane	ug/m3	27.9	28.3	101	70-134	
Chloroform	ug/m3	52	47.3	91	70-130	
Chloromethane	ug/m3	21.8	17.3	79	68-131	
cis-1,2-Dichloroethene	ug/m3	42.3	42.3	100	70-136	
cis-1,3-Dichloropropene	ug/m3	48.5	48.1	99	70-130	
Cyclohexane	ug/m3	36	34.2	95	70-131	
Dibromochloromethane	ug/m3	88.5	84.8	96	70-134	
Dichlorodifluoromethane	ug/m3	52.4	49.2	94	70-130	
Dichlorotetrafluoroethane	ug/m3	73.8	64.3	87	70-130	
Ethanol	ug/m3	112	90.0	80	55-145	
Ethyl acetate	ug/m3	38.4	33.3	87	70-135	
Ethylbenzene	ug/m3	46.5	49.0	105	70-133	
Hexachloro-1,3-butadiene	ug/m3	129	120	93	70-132	
m&p-Xylene	ug/m3	92	92.4	100	70-134	
Methyl-tert-butyl ether	ug/m3	37.9	37.1	98	70-131	
Methylene Chloride	ug/m3	36.6	29.1	79	65-132	
n-Heptane	ug/m3	43.4	41.0	94	70-130	
n-Hexane	ug/m3	37.6	35.1	93	70-132	
Naphthalene	ug/m3	63.5	55.9	88	70-130	
o-Xylene	ug/m3	46.2	47.6	103	70-134	
Propylene	ug/m3	18.3	16.5	90	69-133	
Styrene	ug/m3	44.9	43.8	98	70-135	
Tetrachloroethene	ug/m3	72.3	68.2	94	70-134	
Tetrahydrofuran	ug/m3	30.6	27.3	89	70-140	
Toluene	ug/m3	39.9	43.4	109	70-136	
trans-1,2-Dichloroethene	ug/m3	42.7	41.8	98	70-134	
trans-1,3-Dichloropropene	ug/m3	44.9	45.6	101	70-131	
Trichloroethene	ug/m3	57.2	55.7	97	70-134	
Trichlorofluoromethane	ug/m3	59.7	49.4	83	63-130	
Vinyl acetate	ug/m3	38.4	34.3	90	70-139	
Vinyl chloride	ug/m3	27.1	26.4	97	70-132	

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QUALITY CONTROL DATA

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

SAMPLE DUPLICATE: 4440411

Parameter	Units	10623800001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	.74J		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	2.2J		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	1.4J		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	10.5	10.8	3	25	
Benzene	ug/m3	ND	.21J		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	0.89	1.0	12	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	1.6	1.7	6	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	11.9	11.9	0	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

SAMPLE DUPLICATE: 4440411

Parameter	Units	10623800001 Result	Dup Result	RPD	Max RPD	Qualifiers
n-Hexane	ug/m3	ND	.62J		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	.58J		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	.9J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

SAMPLE DUPLICATE: 4441309

Parameter	Units	10623801001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	.38J		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	1.2	1.2	0	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	.44J		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	6.6	6.5	2	25	
2-Hexanone	ug/m3	ND	.72J		25	
2-Propanol	ug/m3	1520	1590	5	25	E
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	.78J		25	
Acetone	ug/m3	389	439	12	25	E
Benzene	ug/m3	0.41	0.42	2	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	1.2J		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: 22-0128 Spotlight Air Env.
Pace Project No.: 10623800

SAMPLE DUPLICATE: 4441309

Parameter	Units	10623801001 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon disulfide	ug/m3	ND	.46J		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	9.1	9.4	3	25	
Chloromethane	ug/m3	1.4	1.5	11	25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	1.7	1.9	9	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	66.4	72.1	8	25	
Ethyl acetate	ug/m3	4.9	5.1	4	25	
Ethylbenzene	ug/m3	1.2	1.2	1	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	3.3	3.4	1	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	1.3J		25	
n-Heptane	ug/m3	16.4	16.5	1	25	
n-Hexane	ug/m3	1.5	1.6	2	25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	1.5	1.6	3	25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	2.3	2.3	2	25	
Tetrachloroethene	ug/m3	ND	ND		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	9.2	9.6	4	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALIFIERS

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 22-0128 Spotlight Air Env.

Pace Project No.: 10623800

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10623800001	OA-S-1 (U5-45 and Stadium Dr)	TO-15	838515		

REPORT OF LABORATORY ANALYSIS

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