

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	07/28/25
Project:	NJ AIR PT	Date Received:	07/30/25
Client Sample ID:	AE073-1100	SDG No.:	Q2727
Lab Sample ID:	Q2727-01	Matrix:	Air
Analytical Method:	TO-15	Test:	VOCMS Group3
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL042791.D	1		07/31/25 12:03	VL073125

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
75-45-6	Chlorodifluoromethane	0.12	0.42	U	0.42	1.77	ug/m3
75-71-8	Dichlorodifluoromethane	0.11	0.54	U	0.54	2.47	ug/m3
64-17-5	Ethanol	0.32	0.60	U	0.60	0.94	ug/m3
74-87-3	Chloromethane	0.10	0.21	U	0.21	1.03	ug/m3
75-01-4	Vinyl Chloride	0.030	0.080	U	0.080	0.080	ug/m3
141-78-6	Ethyl Acetate	0.12	0.48	U	0.48	1.98	ug/m3
74-83-9	Bromomethane	0.080	0.31	U	0.31	1.94	ug/m3
75-00-3	Chloroethane	29.9	78.9	E	0.40	1.32	ug/m3
109-99-9	Tetrahydrofuran	0.080	0.24	U	0.24	1.47	ug/m3
75-69-4	Trichlorofluoromethane	0.17	0.96	U	0.96	2.81	ug/m3
76-13-1	1,1,2-Trichlorotrifluoroethane	0.14	1.07	U	1.07	3.83	ug/m3
76-14-2	Dichlorotetrafluoroethane	0.15	1.05	U	1.05	3.49	ug/m3
593-60-2	Bromoethene	0.20	0.87	U	0.87	2.19	ug/m3
115-07-1	Propene	0.080	0.14	U	0.14	0.86	ug/m3
75-65-0	tert-Butyl alcohol	0.16	0.49	U	0.49	1.52	ug/m3
142-82-5	Heptane	23.7	97.1	E	0.70	2.05	ug/m3
67-63-0	Isopropyl Alcohol	0.23	0.57	U	0.57	1.23	ug/m3
75-35-4	1,1-Dichloroethene	39.0	155	E	0.59	1.98	ug/m3
67-64-1	Acetone	0.18	0.43	U	0.43	1.19	ug/m3
75-15-0	Carbon Disulfide	0.080	0.25	U	0.25	1.56	ug/m3
1634-04-4	Methyl tert-Butyl Ether	0.23	0.83	U	0.83	1.80	ug/m3
75-09-2	Methylene Chloride	0.23	0.80	U	0.80	1.74	ug/m3
156-60-5	trans-1,2-Dichloroethene	0.12	0.48	U	0.48	1.98	ug/m3
108-05-4	Vinyl Acetate	0.26	0.94	U	0.94	1.80	ug/m3
75-34-3	1,1-Dichloroethane	0.13	0.53	U	0.53	2.02	ug/m3
110-82-7	Cyclohexane	0.22	0.76	U	0.76	1.72	ug/m3
78-93-3	2-Butanone	0.060	0.18	U	0.18	1.47	ug/m3
56-23-5	Carbon Tetrachloride	0.030	0.19	U	0.19	0.19	ug/m3
156-59-2	cis-1,2-Dichloroethene	0.10	0.40	U	0.40	1.98	ug/m3
67-66-3	Chloroform	0.10	0.49	U	0.49	2.44	ug/m3
71-55-6	1,1,1-Trichloroethane	0.020	0.11	U	0.11	0.16	ug/m3
540-84-1	2,2,4-Trimethylpentane	0.14	0.65	U	0.65	2.34	ug/m3
71-43-2	Benzene	50.3	161	E	0.26	1.60	ug/m3
107-06-2	1,2-Dichloroethane	0.090	0.36	U	0.36	2.02	ug/m3
79-01-6	Trichloroethene	0.020	0.11	U	0.11	0.16	ug/m3

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78-87-5	1,2-Dichloropropane	0.13	0.60	U	0.60	2.31	ug/m3
75-27-4	Bromodichloromethane	29.1	195	E	0.40	3.35	ug/m3
108-10-1	4-Methyl-2-Pentanone	0.10	0.41	U	0.41	2.05	ug/m3
108-88-3	Toluene	0.16	0.60	U	0.60	1.88	ug/m3
10061-02-6	t-1,3-Dichloropropene	0.15	0.68	U	0.68	2.27	ug/m3
10061-01-5	cis-1,3-Dichloropropene	0.11	0.50	U	0.50	2.27	ug/m3
79-00-5	1,1,2-Trichloroethane	0.080	0.44	U	0.44	2.73	ug/m3
591-78-6	2-Hexanone	0.11	0.45	U	0.45	2.04	ug/m3
124-48-1	Dibromochloromethane	0.090	0.77	U	0.77	4.26	ug/m3
106-93-4	1,2-Dibromoethane	0.090	0.69	U	0.69	0.77	ug/m3
127-18-4	Tetrachloroethene	0.020	0.14	U	0.14	0.20	ug/m3
108-90-7	Chlorobenzene	39.0	180	E	0.37	2.30	ug/m3
100-41-4	Ethyl Benzene	0.19	0.83	U	0.83	2.17	ug/m3
179601-23-1	m/p-Xylene	36.1	157	E	1.78	4.34	ug/m3
1330-20-7	Total Xylenes	85.8	373		2.69	6.52	ug/m3
95-47-6	o-Xylene	49.7	216	E	0.91	2.17	ug/m3
100-42-5	Styrene	0.16	0.68	U	0.68	2.13	ug/m3
75-25-2	Bromoform	0.050	0.52	U	0.52	5.17	ug/m3
98-82-8	Isopropylbenzene	0.16	0.79	U	0.79	2.46	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	0.020	0.14	U	0.14	0.21	ug/m3
95-49-8	2-Chlorotoluene	0.17	0.88	U	0.88	2.59	ug/m3
108-67-8	1,3,5-Trimethylbenzene	36.7	180	E	0.88	2.46	ug/m3
95-63-6	1,2,4-Trimethylbenzene	0.18	0.88	U	0.88	2.46	ug/m3
541-73-1	1,3-Dichlorobenzene	0.050	0.30	U	0.30	3.01	ug/m3
106-46-7	1,4-Dichlorobenzene	0.13	0.78	U	0.78	3.01	ug/m3
95-50-1	1,2-Dichlorobenzene	29.9	180	E	0.78	3.01	ug/m3
120-82-1	1,2,4-Trichlorobenzene	0.21	1.56	U	1.56	3.71	ug/m3
87-68-3	Hexachloro-1,3-Butadiene	0.13	1.39	U	1.39	5.33	ug/m3
106-99-0	1,3-Butadiene	0.050	0.11	U	0.11	1.11	ug/m3
91-20-3	Naphthalene	0.010	0.050	U	0.050	0.52	ug/m3
622-96-8	4-Ethyltoluene	0.21	1.03	U	1.03	2.46	ug/m3
110-54-3	Hexane	0.16	0.56	U	0.56	1.76	ug/m3
107-05-1	Allyl Chloride	0.11	0.34	U	0.34	1.57	ug/m3
123-91-1	1,4-Dioxane	0.22	0.79	U	0.79	1.80	ug/m3
100-44-7	Benzyl Chloride	0.090	0.47	UQ	0.47	2.59	ug/m3
80-62-6	Methyl Methacrylate	0.14	0.57	U	0.57	2.05	ug/m3

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SURROGATES							
460-00-4	1-Bromo-4-Fluorobenzene	10.7			65 - 135	107%	SPK: 10
INTERNAL STANDARDS							
74-97-5	Bromochloromethane	141000		2.794			
540-36-3	1,4-Difluorobenzene	391000		3.968			
3114-55-4	Chlorobenzene-d5	347000		8.891			

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

D = Dilution

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

Q = indicates LCS control criteria did not meet requirements