

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	07/07/25	
Project:	NJ Drinking Water PT		Date Received:	07/09/25	
Client Sample ID:	WS0725-PT-RVOA-WSDL		SDG No.:	Q2552	
Lab Sample ID:	Q2552-07DL		Matrix:	Water	
Analytical Method:	E524.2		% Solid:	0	
Sample Wt/Vol:	25	Units: mL	Final Vol:	25000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VU063541.D	4	07/18/25 17:25	VU071825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.48	UD	0.48	2.00	ug/L
74-87-3	Chloromethane	0.52	UD	0.52	2.00	ug/L
75-01-4	Vinyl Chloride	20.0	D	0.48	2.00	ug/L
74-83-9	Bromomethane	0.60	UD	0.60	2.00	ug/L
75-00-3	Chloroethane	0.56	UD	0.56	2.00	ug/L
109-99-9	Tetrahydrofuran	1.70	UD	1.70	4.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	UD	0.80	2.00	ug/L
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.44	UD	0.44	2.00	ug/L
75-65-0	tert-Butyl Alcohol	14.4	UD	14.4	40.0	ug/L
60-29-7	Diethyl Ether	0.52	UD	0.52	2.00	ug/L
75-35-4	1,1-Dichloroethene	7.40	D	0.52	2.00	ug/L
107-13-1	Acrylonitrile	1.80	UD	1.80	4.00	ug/L
67-64-1	Acetone	3.90	UD	3.90	10.0	ug/L
75-15-0	Carbon Disulfide	0.48	UD	0.48	2.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.44	UD	0.44	2.00	ug/L
96-33-3	Methyl acrylate	1.30	UD	1.30	2.00	ug/L
75-09-2	Methylene Chloride	14.4	D	1.80	2.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.8	D	0.56	2.00	ug/L
75-34-3	1,1-Dichloroethane	0.52	UD	0.52	2.00	ug/L
110-82-7	Cyclohexane	0.56	UD	0.56	2.00	ug/L
78-93-3	2-Butanone	2.90	UD	2.90	10.0	ug/L
56-23-5	Carbon Tetrachloride	2.00	D	0.52	2.00	ug/L
594-20-7	2,2-Dichloropropane	0.48	UD	0.48	2.00	ug/L
156-59-2	cis-1,2-Dichloroethene	4.90	D	0.52	2.00	ug/L
74-97-5	Bromochloromethane	0.68	UD	0.68	2.00	ug/L
67-66-3	Chloroform	0.68	UD	0.68	2.00	ug/L
71-55-6	1,1,1-Trichloroethane	15.3	D	0.48	2.00	ug/L
108-87-2	Methylcyclohexane	0.36	UD	0.36	2.00	ug/L
563-58-6	1,1-Dichloropropene	0.44	UD	0.44	2.00	ug/L
107-12-0	Propionitrile	4.60	UD	4.60	10.0	ug/L

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71-43-2	Benzene	12.9	D	0.44	2.00	ug/L
107-06-2	1,2-Dichloroethane	12.1	D	0.56	2.00	ug/L
79-01-6	Trichloroethene	9.80	D	0.52	2.00	ug/L
78-87-5	1,2-Dichloropropane	13.4	D	0.52	2.00	ug/L
109-69-3	1-Chlorobutane	0.48	UD	0.48	2.00	ug/L
74-95-3	Dibromomethane	0.60	UD	0.60	2.00	ug/L
75-27-4	Bromodichloromethane	0.52	UD	0.52	2.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	UD	2.50	10.0	ug/L
108-88-3	Toluene	1.90	JD	0.44	2.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.44	UD	0.44	2.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.44	UD	0.44	2.00	ug/L
79-00-5	1,1,2-Trichloroethane	13.4	D	0.52	2.00	ug/L
142-28-9	1,3-Dichloropropane	0.48	UD	0.48	2.00	ug/L
591-78-6	2-Hexanone	2.60	UD	2.60	10.0	ug/L
124-48-1	Dibromochloromethane	0.80	UD	0.80	2.00	ug/L
106-93-4	1,2-Dibromoethane	0.52	UD	0.52	2.00	ug/L
127-18-4	Tetrachloroethene	11.3	D	0.56	2.00	ug/L
108-90-7	Chlorobenzene	15.5	D	0.44	2.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.52	UD	0.52	2.00	ug/L
67-72-1	Hexachloroethane	0.48	UD	0.48	2.00	ug/L
100-41-4	Ethyl Benzene	13.9	D	1.60	2.00	ug/L
179601-23-1	m/p-Xylenes	10.9	D	2.90	4.00	ug/L
1330-20-7	Total Xylenes	21.8	D	4.30	6.00	ug/L
95-47-6	o-Xylene	10.9	D	1.40	2.00	ug/L
100-42-5	Styrene	1.50	UD	1.50	2.00	ug/L
75-25-2	Bromoform	1.20	UD	1.20	2.00	ug/L
98-82-8	Isopropylbenzene	1.50	UD	1.50	2.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.52	UD	0.52	2.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.76	UD	0.76	2.00	ug/L
108-86-1	Bromobenzene	0.52	UD	0.52	2.00	ug/L
103-65-1	n-propylbenzene	1.70	UD	1.70	2.00	ug/L

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95-49-8	2-Chlorotoluene	1.10	UD	1.10	2.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	1.50	UD	1.50	2.00	ug/L
106-43-4	4-Chlorotoluene	1.10	UD	1.10	2.00	ug/L
98-06-6	tert-Butylbenzene	1.50	UD	1.50	2.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.60	UD	1.60	2.00	ug/L
135-98-8	sec-Butylbenzene	1.40	UD	1.40	2.00	ug/L
99-87-6	p-Isopropyltoluene	1.70	UD	1.70	2.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.52	UD	0.52	2.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.10	D	0.52	2.00	ug/L
104-51-8	n-Butylbenzene	1.70	UD	1.70	2.00	ug/L
95-50-1	1,2-Dichlorobenzene	4.80	D	0.56	2.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.96	UD	0.96	2.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	13.4	D	0.84	2.00	ug/L
87-68-3	Hexachlorobutadiene	0.56	UD	0.56	2.00	ug/L
91-20-3	Naphthalene	1.30	UD	1.30	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.20	UD	1.20	2.00	ug/L
98-95-3	Nitrobenzene	7.00	UD	7.00	20.0	ug/L
363-72-4	Pentachloroethane	0.64	UD	0.64	2.00	ug/L
74-88-4	Iodomethane	0.38	UD	0.38	4.00	ug/L
107-05-1	Allyl Chloride	0.52	UD	0.52	2.00	ug/L
126-98-7	Methacrylonitrile	0.96	UD	0.96	2.00	ug/L
110-57-6	t-1,4-Dichloro-2-butene	0.84	UD	0.84	4.00	ug/L
97-63-2	Ethyl methacrylate	0.48	UD	0.48	2.00	ug/L
108-20-3	Isopropyl Ether	0.56	UD	0.56	2.00	ug/L
80-62-6	Methyl methacrylate	0.96	UD	0.96	4.00	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	1.00		70 - 130	102%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 - 130	103%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	16400	6.097			

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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products