

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-VOA-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-23		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	100	
Sample Wt/Vol:	5	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022025.D	1		04/28/25 12:41	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
141-78-6	Ethyl Acetate	1.30	U	1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	0.91	U	0.91	5.00	ug/Kg
74-83-9	Bromomethane	1.20	J	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
109-99-9	Tetrahydrofuran	4.70	U	4.70	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	13.7	U	13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	0.77	U	0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	150		1.00	5.00	ug/Kg
107-02-8	Acrolein	8.80	U	8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	5.00	U	5.00	25.0	ug/Kg
67-64-1	Acetone	440		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	180	E	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
108-05-4	Vinyl Acetate	4.90	U	4.90	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	340		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	110		0.97	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	150	E	1.30	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	43.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	74.8		0.84	5.00	ug/Kg

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71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	93.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	48.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	56.0		0.91	5.00	ug/Kg
74-95-3	Dibromomethane	0.89	U	0.89	5.00	ug/Kg
75-27-4	Bromodichloromethane	180	E	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360		3.60	25.0	ug/Kg
80-62-6	Methyl methacrylate	0.74	U	0.74	5.00	ug/Kg
108-88-3	Toluene	190	E	0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	120		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	110		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	73.6		0.92	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	0.68	U	0.68	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	3.80	U	3.80	25.0	ug/Kg
591-78-6	2-Hexanone	350		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	75.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	100		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	93.3		0.91	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	160	E	0.77	5.00	ug/Kg
67-72-1	Hexachloroethane	1.10	U	1.10	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	120		1.20	10.0	ug/Kg
1330-20-7	Total Xylenes	250		2.02	15.0	ug/Kg
95-47-6	o-Xylene	130		0.82	5.00	ug/Kg
100-42-5	Styrene	140		0.71	5.00	ug/Kg
75-25-2	Bromoform	99.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg

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79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	110		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	1.20	U	1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	0.73	U	0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	0.68	U	0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	0.82	U	0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	1.20	U	1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	0.67	U	0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	180	E	0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	0.66	U	0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	0.62	U	0.62	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	25.9		1.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	57.3		1.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.9		3.00	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	1.90	U	1.90	5.00	ug/Kg
91-20-3	Naphthalene	2.60	U	2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	0.97	U	0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/Kg
107-05-1	Allyl chloride	0.78	U	0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	1.80	U	1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	110		0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	48.1	U	48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50

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460-00-4	4-Bromofluorobenzene	47.4		38 - 136	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	7.707			
540-36-3	1,4-Difluorobenzene	468000	8.616			
3114-55-4	Chlorobenzene-d5	436000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.346			

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