

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: NJ Soil PT
Client Sample ID: VY1106SBL01
Lab Sample ID: VY1106SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3483
Matrix: SOIL
% Solid: 100
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
74-87-3	Chloromethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
75-01-4	Vinyl Chloride	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
141-78-6	Ethyl Acetate	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 09:13	VY110625
108-21-4	Isopropyl Acetate	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
74-83-9	Bromomethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
75-00-3	Chloroethane	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 09:13	VY110625
109-99-9	Tetrahydrofuran	4.70	U	1	4.70	25.0	ug/Kg	11/06/25 09:13	VY110625
75-69-4	Trichlorofluoromethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
75-65-0	Tert butyl alcohol	13.7	U	1	13.7	25.0	ug/Kg	11/06/25 09:13	VY110625
60-29-7	Diethyl Ether	0.77	U	1	0.77	5.00	ug/Kg	11/06/25 09:13	VY110625
75-35-4	1,1-Dichloroethene	1.00	U	1	1.00	5.00	ug/Kg	11/06/25 09:13	VY110625
107-02-8	Acrolein	8.80	U	1	8.80	25.0	ug/Kg	11/06/25 09:13	VY110625
107-13-1	Acrylonitrile	5.00	U	1	5.00	25.0	ug/Kg	11/06/25 09:13	VY110625
67-64-1	Acetone	4.70	U	1	4.70	25.0	ug/Kg	11/06/25 09:13	VY110625
75-15-0	Carbon Disulfide	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
1634-04-4	Methyl tert-butyl Ether	0.73	U	1	0.73	5.00	ug/Kg	11/06/25 09:13	VY110625
79-20-9	Methyl Acetate	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 09:13	VY110625
75-09-2	Methylene Chloride	3.50	U	1	3.50	10.0	ug/Kg	11/06/25 09:13	VY110625
156-60-5	trans-1,2-Dichloroethene	0.86	U	1	0.86	5.00	ug/Kg	11/06/25 09:13	VY110625
108-05-4	Vinyl Acetate	4.90	U	1	4.90	25.0	ug/Kg	11/06/25 09:13	VY110625
75-34-3	1,1-Dichloroethane	0.80	U	1	0.80	5.00	ug/Kg	11/06/25 09:13	VY110625
110-82-7	Cyclohexane	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
78-93-3	2-Butanone	6.50	U	1	6.50	25.0	ug/Kg	11/06/25 09:13	VY110625
56-23-5	Carbon Tetrachloride	0.97	U	1	0.97	5.00	ug/Kg	11/06/25 09:13	VY110625
594-20-7	2,2-Dichloropropane	1.30	U	1	1.30	5.00	ug/Kg	11/06/25 09:13	VY110625
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/06/25 09:13	VY110625
74-97-5	Bromochloromethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
67-66-3	Chloroform	0.84	U	1	0.84	5.00	ug/Kg	11/06/25 09:13	VY110625
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/06/25 09:13	VY110625
108-87-2	Methylcyclohexane	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
563-58-6	1,1-Dichloropropene	0.87	U	1	0.87	5.00	ug/Kg	11/06/25 09:13	VY110625
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
107-06-2	1,2-Dichloroethane	0.79	U	1	0.79	5.00	ug/Kg	11/06/25 09:13	VY110625
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/06/25 09:13	VY110625
78-87-5	1,2-Dichloropropane	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
74-95-3	Dibromomethane	0.89	U	1	0.89	5.00	ug/Kg	11/06/25 09:13	VY110625
75-27-4	Bromodichloromethane	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
108-10-1	4-Methyl-2-Pentanone	3.60	U	1	3.60	25.0	ug/Kg	11/06/25 09:13	VY110625
80-62-6	Methyl methacrylate	0.74	U	1	0.74	5.00	ug/Kg	11/06/25 09:13	VY110625
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
10061-02-6	t-1,3-Dichloropropene	0.65	U	1	0.65	5.00	ug/Kg	11/06/25 09:13	VY110625

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Final Vol: 5000 uL

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Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
10061-01-5	cis-1,3-Dichloropropene	0.62	U	1	0.62	5.00	ug/Kg	11/06/25 09:13	VY110625
79-00-5	1,1,2-Trichloroethane	0.92	U	1	0.92	5.00	ug/Kg	11/06/25 09:13	VY110625
142-28-9	1,3-Dichloropropane	0.68	U	1	0.68	5.00	ug/Kg	11/06/25 09:13	VY110625
110-75-8	2-Chloroethyl Vinyl ether	3.80	U	1	3.80	25.0	ug/Kg	11/06/25 09:13	VY110625
591-78-6	2-Hexanone	3.70	U	1	3.70	25.0	ug/Kg	11/06/25 09:13	VY110625
124-48-1	Dibromochloromethane	0.87	U	1	0.87	5.00	ug/Kg	11/06/25 09:13	VY110625
106-93-4	1,2-Dibromoethane	0.88	U	1	0.88	5.00	ug/Kg	11/06/25 09:13	VY110625
127-18-4	Tetrachloroethene	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
108-90-7	Chlorobenzene	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
630-20-6	1,1,1,2-Tetrachloroethane	0.77	U	1	0.77	5.00	ug/Kg	11/06/25 09:13	VY110625
67-72-1	Hexachloroethane	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/06/25 09:13	VY110625
179601-23-1	m/p-Xylenes	1.20	U	1	1.20	10.0	ug/Kg	11/06/25 09:13	VY110625
1330-20-7	Total Xylenes	2.02	U	1	2.02	15.0	ug/Kg	11/06/25 09:13	VY110625
95-47-6	o-Xylene	0.82	U	1	0.82	5.00	ug/Kg	11/06/25 09:13	VY110625
100-42-5	Styrene	0.71	U	1	0.71	5.00	ug/Kg	11/06/25 09:13	VY110625
75-25-2	Bromoform	0.86	U	1	0.86	5.00	ug/Kg	11/06/25 09:13	VY110625
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
96-18-4	1,2,3-Trichloropropane	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
108-86-1	Bromobenzene	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
103-65-1	n-propylbenzene	0.73	U	1	0.73	5.00	ug/Kg	11/06/25 09:13	VY110625
95-49-8	2-Chlorotoluene	0.68	U	1	0.68	5.00	ug/Kg	11/06/25 09:13	VY110625
108-67-8	1,3,5-Trimethylbenzene	0.82	U	1	0.82	5.00	ug/Kg	11/06/25 09:13	VY110625
106-43-4	4-Chlorotoluene	1.20	U	1	1.20	5.00	ug/Kg	11/06/25 09:13	VY110625
98-06-6	tert-Butylbenzene	0.67	U	1	0.67	5.00	ug/Kg	11/06/25 09:13	VY110625
95-63-6	1,2,4-Trimethylbenzene	0.64	U	1	0.64	5.00	ug/Kg	11/06/25 09:13	VY110625
135-98-8	sec-Butylbenzene	0.66	U	1	0.66	5.00	ug/Kg	11/06/25 09:13	VY110625
99-87-6	p-Isopropyltoluene	0.62	U	1	0.62	5.00	ug/Kg	11/06/25 09:13	VY110625
541-73-1	1,3-Dichlorobenzene	1.70	U	1	1.70	5.00	ug/Kg	11/06/25 09:13	VY110625
106-46-7	1,4-Dichlorobenzene	1.60	U	1	1.60	5.00	ug/Kg	11/06/25 09:13	VY110625
104-51-8	n-Butylbenzene	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 09:13	VY110625
95-50-1	1,2-Dichlorobenzene	1.50	U	1	1.50	5.00	ug/Kg	11/06/25 09:13	VY110625
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1	1.80	5.00	ug/Kg	11/06/25 09:13	VY110625
120-82-1	1,2,4-Trichlorobenzene	3.00	U	1	3.00	5.00	ug/Kg	11/06/25 09:13	VY110625
87-68-3	Hexachlorobutadiene	1.90	U	1	1.90	5.00	ug/Kg	11/06/25 09:13	VY110625
91-20-3	Naphthalene	2.60	U	1	2.60	5.00	ug/Kg	11/06/25 09:13	VY110625
87-61-6	1,2,3-Trichlorobenzene	3.20	U	1	3.20	5.00	ug/Kg	11/06/25 09:13	VY110625
628-63-7	N-amyl acetate	0.97	U	1	0.97	5.00	ug/Kg	11/06/25 09:13	VY110625
74-88-4	Methyl Iodide	0.91	U	1	0.91	5.00	ug/Kg	11/06/25 09:13	VY110625
107-05-1	Allyl chloride	0.78	U	1	0.78	5.00	ug/Kg	11/06/25 09:13	VY110625
110-57-6	trans-1,4-Dichloro-2-butene	1.10	U	1	1.10	5.00	ug/Kg	11/06/25 09:13	VY110625
126-98-7	Methacrylonitrile	1.80	U	1	1.80	5.00	ug/Kg	11/06/25 09:13	VY110625

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Final Vol: 5000 uL

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SDG No.: Q3483

Matrix: SOIL

% Solid: 100

Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
108-20-3	Diisopropyl ether	0.55	U	1	0.55	5.00	ug/Kg	11/06/25 09:13	VY110625
123-91-1	1,4-Dioxane	48.1	U	1	48.1	100	ug/Kg	11/06/25 09:13	VY110625
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.7			63 - 155	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	48.8			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	41.9			17 - 146	84%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			70 - 134	102%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	740000							
540-36-3	1,4-Difluorobenzene	1300000							
3114-55-4	Chlorobenzene-d5	1090000							
3855-82-1	1,4-Dichlorobenzene-d4	415000							

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