

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	VY0428SBS01		SDG No.:	Q1872
Lab Sample ID:	VY0428SBS01		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
VY022023.D	1		04/28/25 11:40	VY042825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.79	5.00	ug/Kg
141-78-6	Ethyl Acetate	18.8		1.30	5.00	ug/Kg
108-21-4	Isopropyl Acetate	18.6		0.91	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
109-99-9	Tetrahydrofuran	91.2		4.70	25.0	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-65-0	Tert butyl alcohol	92.7		13.7	25.0	ug/Kg
60-29-7	Diethyl Ether	18.9		0.77	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.3		1.00	5.00	ug/Kg
107-02-8	Acrolein	78.2		8.80	25.0	ug/Kg
107-13-1	Acrylonitrile	94.1		5.00	25.0	ug/Kg
67-64-1	Acetone	88.8		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.2		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
108-05-4	Vinyl Acetate	94.9		4.90	25.0	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	89.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
594-20-7	2,2-Dichloropropane	21.2		1.30	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg

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71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.1		0.91	5.00	ug/Kg
563-58-6	1,1-Dichloropropene	20.0		0.87	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
74-95-3	Dibromomethane	20.2		0.89	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.8		3.60	25.0	ug/Kg
80-62-6	Methyl methacrylate	18.4		0.74	5.00	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.92	5.00	ug/Kg
142-28-9	1,3-Dichloropropane	20.1		0.68	5.00	ug/Kg
110-75-8	2-Chloroethyl Vinyl ether	90.9		3.80	25.0	ug/Kg
591-78-6	2-Hexanone	89.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.1		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.5		0.91	5.00	ug/Kg
630-20-6	1,1,1,2-Tetrachloroethane	20.6		0.77	5.00	ug/Kg
67-72-1	Hexachloroethane	19.9		1.10	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.2		1.20	10.0	ug/Kg
1330-20-7	Total Xylenes	61.4		2.02	15.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg

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79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.20	5.00	ug/Kg
96-18-4	1,2,3-Trichloropropane	18.4		1.20	5.00	ug/Kg
108-86-1	Bromobenzene	20.1		1.20	5.00	ug/Kg
103-65-1	n-propylbenzene	20.0		0.73	5.00	ug/Kg
95-49-8	2-Chlorotoluene	20.1		0.68	5.00	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	20.0		0.82	5.00	ug/Kg
106-43-4	4-Chlorotoluene	20.6		1.20	5.00	ug/Kg
98-06-6	tert-Butylbenzene	19.5		0.67	5.00	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	20.0		0.64	5.00	ug/Kg
135-98-8	sec-Butylbenzene	19.7		0.66	5.00	ug/Kg
99-87-6	p-Isopropyltoluene	19.8		0.62	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
104-51-8	n-Butylbenzene	18.9		1.50	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	16.7		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.5		3.00	5.00	ug/Kg
87-68-3	Hexachlorobutadiene	19.8		1.90	5.00	ug/Kg
91-20-3	Naphthalene	16.3		2.60	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
628-63-7	N-amyl acetate	17.0		0.97	5.00	ug/Kg
74-88-4	Methyl Iodide	19.7		0.91	5.00	ug/Kg
107-05-1	Allyl chloride	19.7		0.78	5.00	ug/Kg
110-57-6	trans-1,4-Dichloro-2-butene	18.4		1.10	5.00	ug/Kg
126-98-7	Methacrylonitrile	17.9		1.80	5.00	ug/Kg
108-20-3	Diisopropyl ether	20.5		0.55	5.00	ug/Kg
123-91-1	1,4-Dioxane	380		48.1	100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
460-00-4	4-Bromofluorobenzene	50.6		38 - 136	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 - 134	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289000	7.707			
540-36-3	1,4-Difluorobenzene	452000	8.616			
3114-55-4	Chlorobenzene-d5	415000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	223000	13.347			

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