

Report of Analysis

Client: Nobis Group
Project: Raymark Superfund Site
Client Sample ID: OU4-PCS-TC-37-060525
Lab Sample ID: Q2259-03
Analytical Method: 8260D
Sample Wt/Vol: 5.73 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 06/05/25
Date Received: 06/06/25
SDG No.: Q2259
Matrix: SOIL
% Solid: 94.3
Test: VOCMS Group3

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
74-87-3	Chloromethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
75-01-4	Vinyl Chloride	0.73	U	1	0.73	4.60	ug/Kg	06/10/25 14:19	VY061025
74-83-9	Bromomethane	0.99	U	1	0.99	4.60	ug/Kg	06/10/25 14:19	VY061025
75-00-3	Chloroethane	1.20	U	1	1.20	4.60	ug/Kg	06/10/25 14:19	VY061025
109-99-9	Tetrahydrofuran	4.30	UQ	1	4.30	23.1	ug/Kg	06/10/25 14:19	VY061025
75-69-4	Trichlorofluoromethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
76-13-1	1,1,2-Trichlorotrifluoroethane	0.98	U	1	0.98	4.60	ug/Kg	06/10/25 14:19	VY061025
75-35-4	1,1-Dichloroethene	0.93	U	1	0.93	4.60	ug/Kg	06/10/25 14:19	VY061025
107-13-1	Acrylonitrile	4.60	U	1	4.60	23.1	ug/Kg	06/10/25 14:19	VY061025
67-64-1	Acetone	4.40	U	1	4.40	23.1	ug/Kg	06/10/25 14:19	VY061025
75-15-0	Carbon Disulfide	0.98	U	1	0.98	4.60	ug/Kg	06/10/25 14:19	VY061025
1634-04-4	Methyl tert-butyl Ether	0.68	U	1	0.68	4.60	ug/Kg	06/10/25 14:19	VY061025
75-09-2	Methylene Chloride	3.30	U	1	3.30	9.30	ug/Kg	06/10/25 14:19	VY061025
156-60-5	trans-1,2-Dichloroethene	0.80	U	1	0.80	4.60	ug/Kg	06/10/25 14:19	VY061025
75-34-3	1,1-Dichloroethane	0.74	U	1	0.74	4.60	ug/Kg	06/10/25 14:19	VY061025
78-93-3	2-Butanone	6.10	U	1	6.10	23.1	ug/Kg	06/10/25 14:19	VY061025
56-23-5	Carbon Tetrachloride	0.90	U	1	0.90	4.60	ug/Kg	06/10/25 14:19	VY061025
594-20-7	2,2-Dichloropropane	1.20	U	1	1.20	4.60	ug/Kg	06/10/25 14:19	VY061025
156-59-2	cis-1,2-Dichloroethene	0.69	U	1	0.69	4.60	ug/Kg	06/10/25 14:19	VY061025
67-66-3	Chloroform	0.78	U	1	0.78	4.60	ug/Kg	06/10/25 14:19	VY061025
71-55-6	1,1,1-Trichloroethane	0.86	U	1	0.86	4.60	ug/Kg	06/10/25 14:19	VY061025
563-58-6	1,1-Dichloropropene	0.81	U	1	0.81	4.60	ug/Kg	06/10/25 14:19	VY061025
71-43-2	Benzene	0.73	U	1	0.73	4.60	ug/Kg	06/10/25 14:19	VY061025
107-06-2	1,2-Dichloroethane	0.73	U	1	0.73	4.60	ug/Kg	06/10/25 14:19	VY061025
79-01-6	Trichloroethene	0.75	U	1	0.75	4.60	ug/Kg	06/10/25 14:19	VY061025
78-87-5	1,2-Dichloropropane	0.84	U	1	0.84	4.60	ug/Kg	06/10/25 14:19	VY061025
74-95-3	Dibromomethane	0.82	U	1	0.82	4.60	ug/Kg	06/10/25 14:19	VY061025
75-27-4	Bromodichloromethane	0.72	U	1	0.72	4.60	ug/Kg	06/10/25 14:19	VY061025
108-10-1	4-Methyl-2-Pentanone	3.30	U	1	3.30	23.1	ug/Kg	06/10/25 14:19	VY061025
108-88-3	Toluene	0.72	U	1	0.72	4.60	ug/Kg	06/10/25 14:19	VY061025
10061-02-6	t-1,3-Dichloropropene	0.60	U	1	0.60	4.60	ug/Kg	06/10/25 14:19	VY061025
10061-01-5	cis-1,3-Dichloropropene	0.57	U	1	0.57	4.60	ug/Kg	06/10/25 14:19	VY061025
79-00-5	1,1,2-Trichloroethane	0.85	U	1	0.85	4.60	ug/Kg	06/10/25 14:19	VY061025
142-28-9	1,3-Dichloropropane	0.63	U	1	0.63	4.60	ug/Kg	06/10/25 14:19	VY061025
591-78-6	2-Hexanone	3.40	U	1	3.40	23.1	ug/Kg	06/10/25 14:19	VY061025
124-48-1	Dibromochloromethane	0.81	U	1	0.81	4.60	ug/Kg	06/10/25 14:19	VY061025
106-93-4	1,2-Dibromoethane	0.81	U	1	0.81	4.60	ug/Kg	06/10/25 14:19	VY061025
127-18-4	Tetrachloroethene	0.97	U	1	0.97	4.60	ug/Kg	06/10/25 14:19	VY061025
108-90-7	Chlorobenzene	0.84	U	1	0.84	4.60	ug/Kg	06/10/25 14:19	VY061025
630-20-6	1,1,1,2-Tetrachloroethane	0.71	U	1	0.71	4.60	ug/Kg	06/10/25 14:19	VY061025
100-41-4	Ethyl Benzene	0.62	U	1	0.62	4.60	ug/Kg	06/10/25 14:19	VY061025
179601-23-1	m/p-Xylenes	1.10	U	1	1.10	9.30	ug/Kg	06/10/25 14:19	VY061025

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
1330-20-7	Total Xylenes	1.86	U	1	1.86	13.9	ug/Kg	06/10/25 14:19	VY061025
95-47-6	o-Xylene	0.76	U	1	0.76	4.60	ug/Kg	06/10/25 14:19	VY061025
100-42-5	Styrene	0.66	U	1	0.66	4.60	ug/Kg	06/10/25 14:19	VY061025
75-25-2	Bromoform	0.80	U	1	0.80	4.60	ug/Kg	06/10/25 14:19	VY061025
98-82-8	Isopropylbenzene	0.72	U	1	0.72	4.60	ug/Kg	06/10/25 14:19	VY061025
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
96-18-4	1,2,3-Trichloropropane	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
108-86-1	Bromobenzene	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
103-65-1	n-propylbenzene	0.68	U	1	0.68	4.60	ug/Kg	06/10/25 14:19	VY061025
95-49-8	2-Chlorotoluene	0.63	U	1	0.63	4.60	ug/Kg	06/10/25 14:19	VY061025
108-67-8	1,3,5-Trimethylbenzene	0.76	U	1	0.76	4.60	ug/Kg	06/10/25 14:19	VY061025
106-43-4	4-Chlorotoluene	1.10	U	1	1.10	4.60	ug/Kg	06/10/25 14:19	VY061025
98-06-6	tert-Butylbenzene	0.62	U	1	0.62	4.60	ug/Kg	06/10/25 14:19	VY061025
95-63-6	1,2,4-Trimethylbenzene	0.59	U	1	0.59	4.60	ug/Kg	06/10/25 14:19	VY061025
135-98-8	sec-Butylbenzene	0.61	U	1	0.61	4.60	ug/Kg	06/10/25 14:19	VY061025
99-87-6	p-Isopropyltoluene	0.57	U	1	0.57	4.60	ug/Kg	06/10/25 14:19	VY061025
541-73-1	1,3-Dichlorobenzene	1.60	U	1	1.60	4.60	ug/Kg	06/10/25 14:19	VY061025
106-46-7	1,4-Dichlorobenzene	1.40	U	1	1.40	4.60	ug/Kg	06/10/25 14:19	VY061025
104-51-8	n-Butylbenzene	1.30	U	1	1.30	4.60	ug/Kg	06/10/25 14:19	VY061025
95-50-1	1,2-Dichlorobenzene	1.30	U	1	1.30	4.60	ug/Kg	06/10/25 14:19	VY061025
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1	1.70	4.60	ug/Kg	06/10/25 14:19	VY061025
120-82-1	1,2,4-Trichlorobenzene	2.70	U	1	2.70	4.60	ug/Kg	06/10/25 14:19	VY061025
87-68-3	Hexachlorobutadiene	1.80	U	1	1.80	4.60	ug/Kg	06/10/25 14:19	VY061025
87-61-6	1,2,3-Trichlorobenzene	2.90	U	1	2.90	4.60	ug/Kg	06/10/25 14:19	VY061025
110-57-6	trans-1,4-Dichloro-2-butene	0.98	U	1	0.98	4.60	ug/Kg	06/10/25 14:19	VY061025

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.1		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		17 - 146	87%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	169000
540-36-3	1,4-Difluorobenzene	332000
3114-55-4	Chlorobenzene-d5	278000
3855-82-1	1,4-Dichlorobenzene-d4	99900

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