

Report of Analysis

Client:	Nobis Group	Date Collected:	02/17/25
Project:	Raymark Superfund Site	Date Received:	02/18/25
Client Sample ID:	OU4-PCS-TC-10-021725	SDG No.:	Q1382
Lab Sample ID:	Q1382-19	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.4
Sample Wt/Vol:	5.95 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021331.D	1		02/26/25 15:04	VY022625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
75-71-8	Dichlorodifluoromethane	0.0036	U	0.0015	0.0036	0.0045	mg/Kg
74-87-3	Chloromethane	0.0022	U	0.0010	0.0022	0.0045	mg/Kg
75-01-4	Vinyl Chloride	0.0022	U	0.00069	0.0022	0.0045	mg/Kg
74-83-9	Bromomethane	0.0036	U	0.00093	0.0036	0.0045	mg/Kg
75-00-3	Chloroethane	0.0022	U	0.00091	0.0022	0.0045	mg/Kg
109-99-9	Tetrahydrofuran	0.011	U	0.0047	0.011	0.023	mg/Kg
75-69-4	Trichlorofluoromethane	0.0036	U	0.00082	0.0036	0.0045	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0022	U	0.00096	0.0022	0.0045	mg/Kg
75-35-4	1,1-Dichloroethene	0.0022	U	0.00070	0.0022	0.0045	mg/Kg
107-13-1	Acrylonitrile	0.011	U	0.0045	0.011	0.023	mg/Kg
67-64-1	Acetone	0.025		0.0056	0.018	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0036	U	0.0012	0.0036	0.0045	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
75-09-2	Methylene Chloride	0.0072	U	0.0031	0.0072	0.0090	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.0022	U	0.00076	0.0022	0.0045	mg/Kg
75-34-3	1,1-Dichloroethane	0.0022	U	0.00057	0.0022	0.0045	mg/Kg
78-93-3	2-Butanone	0.018	U	0.0051	0.018	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.0022	U	0.00078	0.0022	0.0045	mg/Kg
594-20-7	2,2-Dichloropropane	0.0036	U	0.0014	0.0036	0.0045	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.0022	U	0.00055	0.0022	0.0045	mg/Kg
67-66-3	Chloroform	0.0036	U	0.00060	0.0036	0.0045	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.0022	U	0.00070	0.0022	0.0045	mg/Kg
563-58-6	1,1-Dichloropropene	0.0022	U	0.00066	0.0022	0.0045	mg/Kg
71-43-2	Benzene	0.0022	U	0.00065	0.0022	0.0045	mg/Kg
107-06-2	1,2-Dichloroethane	0.0022	U	0.00055	0.0022	0.0045	mg/Kg
79-01-6	Trichloroethene	0.0022	U	0.00067	0.0022	0.0045	mg/Kg
78-87-5	1,2-Dichloropropane	0.0022	U	0.00059	0.0022	0.0045	mg/Kg
74-95-3	Dibromomethane	0.0022	U	0.00056	0.0022	0.0045	mg/Kg
75-27-4	Bromodichloromethane	0.0022	U	0.00050	0.0022	0.0045	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.011	U	0.0039	0.011	0.023	mg/Kg

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Soil Aliquot Vol:		uL	Test:	VOCMS Group3	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
108-88-3	Toluene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
10061-02-6	t-1,3-Dichloropropene	0.0022	U	0.00054	0.0022	0.0045	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.0022	U	0.00051	0.0022	0.0045	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.0022	U	0.00076	0.0022	0.0045	mg/Kg
142-28-9	1,3-Dichloropropane	0.0022	U	0.00053	0.0022	0.0045	mg/Kg
591-78-6	2-Hexanone	0.011	U	0.0043	0.011	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
106-93-4	1,2-Dibromoethane	0.0022	U	0.00071	0.0022	0.0045	mg/Kg
127-18-4	Tetrachloroethene	0.0022	U	0.00080	0.0022	0.0045	mg/Kg
108-90-7	Chlorobenzene	0.0022	U	0.00067	0.0022	0.0045	mg/Kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
100-41-4	Ethyl Benzene	0.0022	U	0.00056	0.0022	0.0045	mg/Kg
179601-23-1	m/p-Xylenes	0.0045	U	0.0012	0.0045	0.0090	mg/Kg
1330-20-7	Total Xylenes	0.0067	U	0.0018	0.0067	0.014	mg/Kg
95-47-6	o-Xylene	0.0022	U	0.00063	0.0022	0.0045	mg/Kg
100-42-5	Styrene	0.0022	U	0.00054	0.0022	0.0045	mg/Kg
75-25-2	Bromoform	0.0022	U	0.00073	0.0022	0.0045	mg/Kg
98-82-8	Isopropylbenzene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	0.00099	0.0022	0.0045	mg/Kg
96-18-4	1,2,3-Trichloropropane	0.0036	U	0.0011	0.0036	0.0045	mg/Kg
108-86-1	Bromobenzene	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
103-65-1	n-propylbenzene	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
95-49-8	2-Chlorotoluene	0.0022	U	0.00056	0.0022	0.0045	mg/Kg
108-67-8	1,3,5-Trimethylbenzene	0.0022	U	0.00058	0.0022	0.0045	mg/Kg
106-43-4	4-Chlorotoluene	0.0022	U	0.00053	0.0022	0.0045	mg/Kg
98-06-6	tert-Butylbenzene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
95-63-6	1,2,4-Trimethylbenzene	0.0022	U	0.0012	0.0022	0.0045	mg/Kg
135-98-8	sec-Butylbenzene	0.0022	U	0.00060	0.0022	0.0045	mg/Kg
99-87-6	p-Isopropyltoluene	0.0022	U	0.00052	0.0022	0.0045	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0022	U	0.00067	0.0022	0.0045	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0022	U	0.00072	0.0022	0.0045	mg/Kg

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104-51-8	n-Butylbenzene	0.0022	U	0.00057	0.0022	0.0045	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0022	U	0.00053	0.0022	0.0045	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0036	U	0.0014	0.0036	0.0045	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	0.00071	0.0022	0.0045	mg/Kg
87-68-3	Hexachlorobutadiene	0.0022	U	0.00073	0.0022	0.0045	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	0.00070	0.0022	0.0045	mg/Kg
110-57-6	trans-1,4-Dichloro-2-butene	0.0022	U	0.00072	0.0022	0.0045	mg/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		71 - 136		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		78 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.4		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		79 - 119		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	238000	7.707				
540-36-3	1,4-Difluorobenzene	473000	8.615				
3114-55-4	Chlorobenzene-d5	472000	11.413				
3855-82-1	1,4-Dichlorobenzene-d4	208000	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