

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	06/04/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	06/05/25	
Client Sample ID:	BP-VPB-182-GW-780-782		SDG No.:	Q2251	
Lab Sample ID:	Q2251-07		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	12.5	
Sample Wt/Vol:	6	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
VY022658.D	1		06/11/25 12:48	VY061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	16.7	U	7.60	16.7	33.3	ug/Kg
75-01-4	Vinyl Chloride	16.7	U	5.30	16.7	33.3	ug/Kg
74-83-9	Bromomethane	8.00	J	7.10	26.7	33.3	ug/Kg
75-00-3	Chloroethane	16.7	U	8.40	16.7	33.3	ug/Kg
75-69-4	Trichlorofluoromethane	26.7	U	8.10	26.7	33.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	16.7	U	7.10	16.7	33.3	ug/Kg
75-35-4	1,1-Dichloroethene	16.7	U	6.70	16.7	33.3	ug/Kg
67-64-1	Acetone	100	J	31.6	130	170	ug/Kg
75-15-0	Carbon Disulfide	26.7	U	7.10	26.7	33.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	16.7	U	4.90	16.7	33.3	ug/Kg
75-09-2	Methylene Chloride	53.3	U	23.5	53.3	66.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	16.7	U	5.70	16.7	33.3	ug/Kg
75-34-3	1,1-Dichloroethane	16.7	U	5.30	16.7	33.3	ug/Kg
78-93-3	2-Butanone	130	U	43.6	130	170	ug/Kg
56-23-5	Carbon Tetrachloride	16.7	U	6.50	16.7	33.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	16.7	U	5.00	16.7	33.3	ug/Kg
67-66-3	Chloroform	26.7	U	5.60	26.7	33.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	16.7	U	6.20	16.7	33.3	ug/Kg
108-87-2	Methylcyclohexane	16.7	U	6.10	16.7	33.3	ug/Kg
71-43-2	Benzene	16.7	U	5.30	16.7	33.3	ug/Kg
107-06-2	1,2-Dichloroethane	16.7	U	5.30	16.7	33.3	ug/Kg
79-01-6	Trichloroethene	16.7	U	5.40	16.7	33.3	ug/Kg
78-87-5	1,2-Dichloropropane	16.7	U	6.10	16.7	33.3	ug/Kg
75-27-4	Bromodichloromethane	16.7	U	5.20	16.7	33.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	83.3	U	23.9	83.3	170	ug/Kg
108-88-3	Toluene	16.7	U	5.20	16.7	33.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	16.7	U	4.30	16.7	33.3	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	16.7	U	4.10	16.7	33.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	16.7	U	6.10	16.7	33.3	ug/Kg
591-78-6	2-Hexanone	83.3	U	24.6	83.3	170	ug/Kg

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124-48-1	Dibromochloromethane	16.7	U	5.80	16.7	33.3	ug/Kg
127-18-4	Tetrachloroethene	16.7	U	7.00	16.7	33.3	ug/Kg
108-90-7	Chlorobenzene	16.7	U	6.10	16.7	33.3	ug/Kg
100-41-4	Ethyl Benzene	16.7	U	4.50	16.7	33.3	ug/Kg
179601-23-1	m/p-Xylenes	33.3	U	8.30	33.3	66.7	ug/Kg
95-47-6	o-Xylene	16.7	U	5.50	16.7	33.3	ug/Kg
100-42-5	Styrene	16.7	U	4.70	16.7	33.3	ug/Kg
75-25-2	Bromoform	16.7	U	5.70	16.7	33.3	ug/Kg
98-82-8	Isopropylbenzene	16.7	U	5.20	16.7	33.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	16.7	U	8.10	16.7	33.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	16.7	U	11.4	16.7	33.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	16.7	U	10.4	16.7	33.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	16.7	U	9.70	16.7	33.3	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		71 - 136		108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		78 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	49.7		85 - 116		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		79 - 119		82%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	210000	7.707				
540-36-3	1,4-Difluorobenzene	390000	8.616				
3114-55-4	Chlorobenzene-d5	315000	11.414				
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.347				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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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