

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	02/10/25	
Project:	NWIRP Bethpage CTO WE13 - VPB-192 #112G08005			Date Received:	02/17/25	
Client Sample ID:	BP-VPB-192-GW-725-727			SDG No.:	Q1380	
Lab Sample ID:	Q1380-06			Matrix:	SOIL	
Analytical Method:	SW8260			% Solid:	7.4	
Sample Wt/Vol:	5.05	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
VY021241.D	1		02/19/25 16:59	VY021925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
74-87-3	Chloromethane	33.4	UQ	15.5	33.4	66.9	ug/Kg
75-01-4	Vinyl Chloride	33.4	UQ	10.3	33.4	66.9	ug/Kg
74-83-9	Bromomethane	53.5	U	13.8	53.5	66.9	ug/Kg
75-00-3	Chloroethane	33.4	UQ	13.5	33.4	66.9	ug/Kg
75-69-4	Trichlorofluoromethane	53.5	U	12.2	53.5	66.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	33.4	U	14.3	33.4	66.9	ug/Kg
75-35-4	1,1-Dichloroethene	33.4	U	10.4	33.4	66.9	ug/Kg
67-64-1	Acetone	130	J	83.5	270	330	ug/Kg
75-15-0	Carbon Disulfide	53.5	U	17.1	53.5	66.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	33.4	UM	9.00	33.4	66.9	ug/Kg
75-09-2	Methylene Chloride	110	U	45.6	110	130	ug/Kg
156-60-5	trans-1,2-Dichloroethene	33.4	U	11.2	33.4	66.9	ug/Kg
75-34-3	1,1-Dichloroethane	33.4	U	8.40	33.4	66.9	ug/Kg
78-93-3	2-Butanone	270	U	76.0	270	330	ug/Kg
56-23-5	Carbon Tetrachloride	33.4	U	11.6	33.4	66.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	33.4	U	8.20	33.4	66.9	ug/Kg
67-66-3	Chloroform	53.5	U	9.00	53.5	66.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	33.4	U	10.4	33.4	66.9	ug/Kg
108-87-2	Methylcyclohexane	33.4	UM	11.6	33.4	66.9	ug/Kg
71-43-2	Benzene	33.4	U	9.60	33.4	66.9	ug/Kg
107-06-2	1,2-Dichloroethane	33.4	U	8.20	33.4	66.9	ug/Kg
79-01-6	Trichloroethene	33.4	UM	10.0	33.4	66.9	ug/Kg
78-87-5	1,2-Dichloropropane	33.4	U	8.80	33.4	66.9	ug/Kg
75-27-4	Bromodichloromethane	33.4	U	7.50	33.4	66.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	170	U	58.2	170	330	ug/Kg
108-88-3	Toluene	33.4	U	9.00	33.4	66.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	33.4	U	8.00	33.4	66.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	33.4	U	7.60	33.4	66.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	33.4	U	11.2	33.4	66.9	ug/Kg
591-78-6	2-Hexanone	170	U	64.1	170	330	ug/Kg

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124-48-1	Dibromochloromethane	33.4	U	8.70	33.4	66.9	ug/Kg
127-18-4	Tetrachloroethene	33.4	UM	11.9	33.4	66.9	ug/Kg
108-90-7	Chlorobenzene	33.4	UM	9.90	33.4	66.9	ug/Kg
100-41-4	Ethyl Benzene	33.4	UM	8.30	33.4	66.9	ug/Kg
179601-23-1	m/p-Xylenes	66.9	UM	18.1	66.9	130	ug/Kg
95-47-6	o-Xylene	33.4	UM	9.40	33.4	66.9	ug/Kg
100-42-5	Styrene	33.4	UM	8.00	33.4	66.9	ug/Kg
75-25-2	Bromoform	33.4	U	10.8	33.4	66.9	ug/Kg
98-82-8	Isopropylbenzene	33.4	U	9.00	33.4	66.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	33.4	UM	14.7	33.4	66.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	33.4	UM	9.90	33.4	66.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	33.4	UM	10.7	33.4	66.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	33.4	UM	7.90	33.4	66.9	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	66.6		71 - 136		133%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		78 - 119		107%	SPK: 50
2037-26-5	Toluene-d8	50.3		85 - 116		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		79 - 119		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	224000	7.713				
540-36-3	1,4-Difluorobenzene	425000	8.622				
3114-55-4	Chlorobenzene-d5	405000	11.42				
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.353				
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