

Report of Analysis

Client: Tetra Tech NUS, Inc.
Project: NWIRP Bethpage 112G08005-WE13
Client Sample ID: VY1024SBS01
Lab Sample ID: VY1024SBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3413
Matrix: SOIL
% Solid: 100
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	18.6		1	1.10	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
74-87-3	Chloromethane	17.3		1	1.10	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-01-4	Vinyl Chloride	18.0		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
74-83-9	Bromomethane	20.6		1	1.10	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
75-00-3	Chloroethane	18.5		1	1.30	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-69-4	Trichlorofluoromethane	19.0		1	1.20	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1	1.10	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-35-4	1,1-Dichloroethene	19.8		1	1.00	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
67-64-1	Acetone	130		1	4.70	20.0	25.0	ug/Kg	10/24/25 09:52	VY102425
75-15-0	Carbon Disulfide	18.4		1	1.10	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
1634-04-4	Methyl tert-butyl Ether	20.0		1	0.73	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-20-9	Methyl Acetate	17.2		1	1.50	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
75-09-2	Methylene Chloride	18.5		1	3.50	8.00	10.0	ug/Kg	10/24/25 09:52	VY102425
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.86	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-34-3	1,1-Dichloroethane	19.8		1	0.80	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
110-82-7	Cyclohexane	18.3		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
78-93-3	2-Butanone	110		1	6.50	20.0	25.0	ug/Kg	10/24/25 09:52	VY102425
56-23-5	Carbon Tetrachloride	20.6		1	0.97	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
156-59-2	cis-1,2-Dichloroethene	20.9		1	0.75	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
74-97-5	Bromochloromethane	18.9		1	1.20	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
67-66-3	Chloroform	20.4		1	0.84	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
71-55-6	1,1,1-Trichloroethane	20.5		1	0.93	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
108-87-2	Methylcyclohexane	20.0		1	0.91	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
71-43-2	Benzene	20.7		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
107-06-2	1,2-Dichloroethane	19.6		1	0.79	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-01-6	Trichloroethene	21.4		1	0.81	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
78-87-5	1,2-Dichloropropane	20.3		1	0.91	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-27-4	Bromodichloromethane	20.8		1	0.78	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
108-10-1	4-Methyl-2-Pentanone	96.4		1	3.60	12.5	25.0	ug/Kg	10/24/25 09:52	VY102425
108-88-3	Toluene	21.3		1	0.78	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-02-6	t-1,3-Dichloropropene	20.3		1	0.65	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
10061-01-5	cis-1,3-Dichloropropene	20.6		1	0.62	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-00-5	1,1,2-Trichloroethane	21.6		1	0.92	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
591-78-6	2-Hexanone	110		1	3.70	12.5	25.0	ug/Kg	10/24/25 09:52	VY102425
124-48-1	Dibromochloromethane	21.3		1	0.87	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
106-93-4	1,2-Dibromoethane	21.4		1	0.88	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
127-18-4	Tetrachloroethene	20.6		1	1.10	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
108-90-7	Chlorobenzene	20.9		1	0.91	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
100-41-4	Ethyl Benzene	20.5		1	0.67	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
179601-23-1	m/p-Xylenes	42.3		1	1.20	5.00	10.0	ug/Kg	10/24/25 09:52	VY102425
95-47-6	o-Xylene	21.1		1	0.82	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
100-42-5	Styrene	20.9		1	0.71	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
75-25-2	Bromoform	20.9		1	0.86	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VY1024SBS01	SDG No.:	Q3413
Lab Sample ID:	VY1024SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOC-TCLVOA-10
	Level : LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.6		1	0.78	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1	1.20	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
541-73-1	1,3-Dichlorobenzene	20.4		1	1.70	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
95-50-1	1,2-Dichlorobenzene	20.4		1	1.50	2.50	5.00	ug/Kg	10/24/25 09:52	VY102425
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1	1.80	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
120-82-1	1,2,4-Trichlorobenzene	19.9		1	3.00	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425
87-61-6	1,2,3-Trichlorobenzene	19.6		1	3.20	4.00	5.00	ug/Kg	10/24/25 09:52	VY102425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	44.2			71 - 136		88%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5			78 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	48.4			85 - 116		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3			79 - 119		99%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	552000
540-36-3	1,4-Difluorobenzene	799000
3114-55-4	Chlorobenzene-d5	710000
3855-82-1	1,4-Dichlorobenzene-d4	381000

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