

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/10/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/10/25
Client Sample ID:	TR-06-1-10-2025MS	SDG No.:	Q1069
Lab Sample ID:	Q1068-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.5
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141175.D	1	01/13/25 08:54	01/15/25 15:05	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	120	J	120	180	220	ug/Kg
108-95-2	Phenol	630		54.9	86.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	670		55.4	86.1	110	ug/Kg
95-57-8	2-Chlorophenol	620		55.3	86.1	110	ug/Kg
95-48-7	2-Methylphenol	640		53.4	86.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	640		60.2	86.1	110	ug/Kg
98-86-2	Acetophenone	690		57.6	86.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	640		52.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	650		26.7	53.0	53.0	ug/Kg
67-72-1	Hexachloroethane	620		55.0	86.1	110	ug/Kg
98-95-3	Nitrobenzene	640		60.2	86.1	110	ug/Kg
78-59-1	Isophorone	700		56.0	86.1	110	ug/Kg
88-75-5	2-Nitrophenol	530		62.6	86.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	790		61.7	86.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	690		56.8	86.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	600		50.0	86.1	110	ug/Kg
91-20-3	Naphthalene	690		54.7	86.1	110	ug/Kg
106-47-8	4-Chloroaniline	250		54.7	86.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	650		55.2	86.1	110	ug/Kg
105-60-2	Caprolactam	580		57.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	620		51.3	86.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	680		54.7	86.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1400		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	380		47.3	86.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	490		49.0	86.1	110	ug/Kg
92-52-4	1,1-Biphenyl	740		57.9	86.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	680		55.2	86.1	110	ug/Kg
88-74-4	2-Nitroaniline	690		62.9	86.1	110	ug/Kg
131-11-3	Dimethylphthalate	730		54.1	86.1	110	ug/Kg

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208-96-8	Acenaphthylene	850		57.3	86.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	650		55.1	86.1	110	ug/Kg
99-09-2	3-Nitroaniline	500		59.1	86.1	110	ug/Kg
83-32-9	Acenaphthene	670		53.7	86.1	110	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	460		76.8	180	220	ug/Kg
132-64-9	Dibenzofuran	680		55.9	86.1	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	620		57.1	86.1	110	ug/Kg
84-66-2	Diethylphthalate	690		53.1	86.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	660		56.7	86.1	110	ug/Kg
86-73-7	Fluorene	680		56.6	86.1	110	ug/Kg
100-01-6	4-Nitroaniline	530		70.9	86.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	J	77.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	840		54.1	86.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	800		52.3	86.1	110	ug/Kg
118-74-1	Hexachlorobenzene	740		56.3	86.1	110	ug/Kg
1912-24-9	Atrazine	980		60.5	86.1	110	ug/Kg
87-86-5	Pentachlorophenol	530		51.2	180	220	ug/Kg
85-01-8	Phenanthrene	880		55.6	86.1	110	ug/Kg
120-12-7	Anthracene	880		55.9	86.1	110	ug/Kg
86-74-8	Carbazole	730		53.2	86.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	790		55.8	86.1	110	ug/Kg
206-44-0	Fluoranthene	1000		54.1	86.1	110	ug/Kg
129-00-0	Pyrene	750		55.0	86.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	610		64.1	86.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	450		65.3	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	920		53.5	86.1	110	ug/Kg
218-01-9	Chrysene	830		52.7	86.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	710		60.3	86.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	860		72.9	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		53.7	86.1	110	ug/Kg

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207-08-9	Benzo(k)fluoranthene	910		54.7	86.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	1100		61.6	86.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	660		51.7	86.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	550		53.8	86.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	690		53.1	86.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	740		57.5	86.1	110	ug/Kg
123-91-1	1,4-Dioxane	530		72.9	86.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	250		49.5	86.1	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.8		35 - 115		47%	SPK: 150
13127-88-3	Phenol-d6	80.8		34 - 127		54%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.4		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.8		44 - 115		66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	33.3	*	39 - 132		22%	SPK: 150
1718-51-0	Terphenyl-d14	45.4	*	54 - 127		45%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.822				
1146-65-2	Naphthalene-d8	561000	8.104				
15067-26-2	Acenaphthene-d10	265000	9.857				
1517-22-2	Phenanthrene-d10	350000	11.345				
1719-03-5	Chrysene-d12	323000	13.986				
1520-96-3	Perylene-d12	315000	15.451				

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