

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-06-1-10-2025MSD		SDG No.:	Q1069	
Lab Sample ID:	Q1068-01MSD		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	90.5	
Sample Wt/Vol:	50.02	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
BF141176.D	1	01/13/25 08:54	01/15/25 16:40	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	130	J	120	180	220	ug/Kg
108-95-2	Phenol	700		54.9	86.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	700		55.5	86.2	110	ug/Kg
95-57-8	2-Chlorophenol	670		55.3	86.2	110	ug/Kg
95-48-7	2-Methylphenol	700		53.4	86.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	660		60.2	86.2	110	ug/Kg
98-86-2	Acetophenone	690		57.6	86.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	710		52.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	690		26.7	53.0	53.0	ug/Kg
67-72-1	Hexachloroethane	640		55.0	86.2	110	ug/Kg
98-95-3	Nitrobenzene	640		60.2	86.2	110	ug/Kg
78-59-1	Isophorone	700		56.1	86.2	110	ug/Kg
88-75-5	2-Nitrophenol	550		62.6	86.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	810		61.8	86.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	680		56.9	86.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	640		50.0	86.2	110	ug/Kg
91-20-3	Naphthalene	700		54.7	86.2	110	ug/Kg
106-47-8	4-Chloroaniline	290		54.7	86.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	630		55.2	86.2	110	ug/Kg
105-60-2	Caprolactam	670		57.5	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	710		51.4	86.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	710		54.7	86.2	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	970		100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	390		47.3	86.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	510		49.0	86.2	110	ug/Kg
92-52-4	1,1-Biphenyl	720		57.9	86.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	680		55.2	86.2	110	ug/Kg
88-74-4	2-Nitroaniline	730		63.0	86.2	110	ug/Kg
131-11-3	Dimethylphthalate	720		54.1	86.2	110	ug/Kg

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208-96-8	Acenaphthylene	850		57.3	86.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	680		55.1	86.2	110	ug/Kg
99-09-2	3-Nitroaniline	560		59.1	86.2	110	ug/Kg
83-32-9	Acenaphthene	680		53.7	86.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	540		76.9	180	220	ug/Kg
132-64-9	Dibenzofuran	700		55.9	86.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	700		57.1	86.2	110	ug/Kg
84-66-2	Diethylphthalate	710		53.1	86.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	700		56.7	86.2	110	ug/Kg
86-73-7	Fluorene	720		56.7	86.2	110	ug/Kg
100-01-6	4-Nitroaniline	620		70.9	86.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.8	J	77.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	840		54.1	86.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	780		52.3	86.2	110	ug/Kg
118-74-1	Hexachlorobenzene	740		56.3	86.2	110	ug/Kg
1912-24-9	Atrazine	990		60.6	86.2	110	ug/Kg
87-86-5	Pentachlorophenol	510		51.2	180	220	ug/Kg
85-01-8	Phenanthrene	890		55.7	86.2	110	ug/Kg
120-12-7	Anthracene	900		55.9	86.2	110	ug/Kg
86-74-8	Carbazole	730		53.2	86.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	780		55.9	86.2	110	ug/Kg
206-44-0	Fluoranthene	930		54.1	86.2	110	ug/Kg
129-00-0	Pyrene	870		55.0	86.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	690		64.2	86.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	460		65.3	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	870		53.5	86.2	110	ug/Kg
218-01-9	Chrysene	900		52.7	86.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	770		60.3	86.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	830		72.9	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		53.7	86.2	110	ug/Kg

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207-08-9	Benzo(k)fluoranthene	890		54.7	86.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	1200		61.6	86.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	730		51.8	86.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	610		53.8	86.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	770		53.1	86.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	720		57.5	86.2	110	ug/Kg
123-91-1	1,4-Dioxane	540		72.9	86.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	290		49.5	86.2	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.2		35 - 115		49%	SPK: 150
13127-88-3	Phenol-d6	88.2		34 - 127		59%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.1		37 - 122		62%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.6		44 - 115		63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	37.1	*	39 - 132		25%	SPK: 150
1718-51-0	Terphenyl-d14	52.3	*	54 - 127		52%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143000	6.822				
1146-65-2	Naphthalene-d8	569000	8.104				
15067-26-2	Acenaphthene-d10	295000	9.863				
1517-22-2	Phenanthrene-d10	427000	11.345				
1719-03-5	Chrysene-d12	307000	13.992				
1520-96-3	Perylene-d12	256000	15.468				

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