

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/09/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/09/25
Client Sample ID:	RW7B-CARBON-20250109	SDG No.:	Q1069
Lab Sample ID:	Q1069-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	55.6
Sample Wt/Vol:	30.03 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
BF141173.D	1	01/13/25 08:54	01/15/25 14:13	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	490	U	330	490	590	ug/Kg
108-95-2	Phenol	230	U	150	230	310	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	230	U	150	230	310	ug/Kg
95-57-8	2-Chlorophenol	230	U	150	230	310	ug/Kg
95-48-7	2-Methylphenol	230	U	140	230	310	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	230	U	160	230	310	ug/Kg
98-86-2	Acetophenone	230	U	160	230	310	ug/Kg
65794-96-9	3+4-Methylphenols	490	U	140	490	590	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	72.4	140	140	ug/Kg
67-72-1	Hexachloroethane	230	U	150	230	310	ug/Kg
98-95-3	Nitrobenzene	230	U	160	230	310	ug/Kg
78-59-1	Isophorone	230	U	150	230	310	ug/Kg
88-75-5	2-Nitrophenol	230	U	170	230	310	ug/Kg
105-67-9	2,4-Dimethylphenol	230	U	170	230	310	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	230	U	150	230	310	ug/Kg
120-83-2	2,4-Dichlorophenol	230	U	140	230	310	ug/Kg
91-20-3	Naphthalene	230	U	150	230	310	ug/Kg
106-47-8	4-Chloroaniline	230	U	150	230	310	ug/Kg
87-68-3	Hexachlorobutadiene	230	U	150	230	310	ug/Kg
105-60-2	Caprolactam	490	U	160	490	590	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	140	230	310	ug/Kg
91-57-6	2-Methylnaphthalene	230	U	150	230	310	ug/Kg
77-47-4	Hexachlorocyclopentadiene	490	UQ	280	490	590	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	130	230	310	ug/Kg
95-95-4	2,4,5-Trichlorophenol	230	U	130	230	310	ug/Kg
92-52-4	1,1-Biphenyl	230	U	160	230	310	ug/Kg
91-58-7	2-Chloronaphthalene	230	U	150	230	310	ug/Kg
88-74-4	2-Nitroaniline	230	U	170	230	310	ug/Kg
131-11-3	Dimethylphthalate	230	U	150	230	310	ug/Kg

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208-96-8	Acenaphthylene	230	U	160	230	310	ug/Kg
606-20-2	2,6-Dinitrotoluene	230	U	150	230	310	ug/Kg
99-09-2	3-Nitroaniline	230	U	160	230	310	ug/Kg
83-32-9	Acenaphthene	230	U	150	230	310	ug/Kg
51-28-5	2,4-Dinitrophenol	490	U	440	490	590	ug/Kg
100-02-7	4-Nitrophenol	490	U	210	490	590	ug/Kg
132-64-9	Dibenzofuran	230	U	150	230	310	ug/Kg
121-14-2	2,4-Dinitrotoluene	230	U	150	230	310	ug/Kg
84-66-2	Diethylphthalate	230	U	140	230	310	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	230	U	150	230	310	ug/Kg
86-73-7	Fluorene	230	U	150	230	310	ug/Kg
100-01-6	4-Nitroaniline	230	U	190	230	310	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	490	U	210	490	590	ug/Kg
86-30-6	n-Nitrosodiphenylamine	230	U	150	230	310	ug/Kg
101-55-3	4-Bromophenyl-phenylether	230	U	140	230	310	ug/Kg
118-74-1	Hexachlorobenzene	230	U	150	230	310	ug/Kg
1912-24-9	Atrazine	230	U	160	230	310	ug/Kg
87-86-5	Pentachlorophenol	490	U	140	490	590	ug/Kg
85-01-8	Phenanthrene	230	U	150	230	310	ug/Kg
120-12-7	Anthracene	230	U	150	230	310	ug/Kg
86-74-8	Carbazole	230	U	140	230	310	ug/Kg
84-74-2	Di-n-butylphthalate	230	U	150	230	310	ug/Kg
206-44-0	Fluoranthene	230	U	150	230	310	ug/Kg
129-00-0	Pyrene	230	U	150	230	310	ug/Kg
85-68-7	Butylbenzylphthalate	230	U	170	230	310	ug/Kg
91-94-1	3,3-Dichlorobenzidine	490	U	180	490	590	ug/Kg
56-55-3	Benzo(a)anthracene	230	U	140	230	310	ug/Kg
218-01-9	Chrysene	230	U	140	230	310	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	280	J	160	230	310	ug/Kg
117-84-0	Di-n-octyl phthalate	490	U	200	490	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	U	150	230	310	ug/Kg

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207-08-9	Benzo(k)fluoranthene	230	U	150	230	310	ug/Kg
50-32-8	Benzo(a)pyrene	230	U	170	230	310	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230	U	140	230	310	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	U	150	230	310	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230	U	140	230	310	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	160	230	310	ug/Kg
123-91-1	1,4-Dioxane	230	U	200	230	310	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	230	U	130	230	310	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	7.86	*	35 - 115		5%	SPK: 150
13127-88-3	Phenol-d6	8.17	*	34 - 127		5%	SPK: 150
4165-60-0	Nitrobenzene-d5	8.53	*	37 - 122		9%	SPK: 100
321-60-8	2-Fluorobiphenyl	8.53	*	44 - 115		9%	SPK: 100
118-79-6	2,4,6-Tribromophenol	9.68	*	39 - 132		6%	SPK: 150
1718-51-0	Terphenyl-d14	7.98	*	54 - 127		8%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	131000	6.822
1146-65-2	Naphthalene-d8	521000	8.104
15067-26-2	Acenaphthene-d10	288000	9.857
1517-22-2	Phenanthrene-d10	491000	11.339
1719-03-5	Chrysene-d12	326000	13.98
1520-96-3	Perylene-d12	302000	15.439

TENTATIVE IDENTIFIED COMPOUNDS

000995-82-4	Hexasiloxane, 1,1,3,3,5,5,7,7,9,9,	320	J		2.14	ug/Kg
000079-01-6	Trichloroethylene	14000	J		2.43	ug/Kg
110-86-1	Pyridine	230	J		3.31	ug/Kg
000079-00-5	Ethane, 1,1,2-trichloro-	2000	J		4.09	ug/Kg
000629-15-2	1,2-Ethanediol, diformate	1800	J		4.99	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		5.03	ug/Kg
000119-61-9	Benzophenone	290	J		10.6	ug/Kg

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000057-10-3	n-Hexadecanoic acid	260	J			11.9	ug/Kg

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