284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.6
Sample Wt/Vol:	30.02 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
BF143216.D	1	07/22/25 10:05	07/23/25 17:28	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	390	U	230	390	480	ug/Kg
108-95-2	Phenol	190	U	32.2	190	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	35.4	190	250	ug/Kg
95-57-8	2-Chlorophenol	190	U	35.5	190	250	ug/Kg
95-48-7	2-Methylphenol	190	U	43.6	190	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	54.6	190	250	ug/Kg
98-86-2	Acetophenone	190	U	43.0	190	250	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	59.9	390	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	69.1	120	120	ug/Kg
67-72-1	Hexachloroethane	190	U	25.6	190	250	ug/Kg
98-95-3	Nitrobenzene	190	U	26.7	190	250	ug/Kg
78-59-1	Isophorone	190	U	47.8	190	250	ug/Kg
88-75-5	2-Nitrophenol	190	U	84.8	190	250	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	94.4	190	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	44.9	190	250	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	41.2	190	250	ug/Kg
91-20-3	Naphthalene	190	U	33.1	190	250	ug/Kg
106-47-8	4-Chloroaniline	190	U	51.6	190	250	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	36.9	190	250	ug/Kg
105-60-2	Caprolactam	390	U	75.9	390	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	41.8	190	250	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	37.3	190	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	U	170	390	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	28.8	190	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	42.4	190	250	ug/Kg
92-52-4	1,1-Biphenyl	190	U	31.8	190	250	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	32.8	190	250	ug/Kg
88-74-4	2-Nitroaniline	190	U	70.1	190	250	ug/Kg
131-11-3	Dimethylphthalate	190	U	39.5	190	250	ug/Kg

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Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
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Lab Sample ID:	Q2645-02	Matrix:	SOIL
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Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
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BF143216.D	1	07/22/25 10:05	07/23/25 17:28	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	42.1	190	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	48.9	190	250	ug/Kg
99-09-2	3-Nitroaniline	190	U	67.0	190	250	ug/Kg
83-32-9	Acenaphthene	190	U	31.0	190	250	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	330	390	480	ug/Kg
100-02-7	4-Nitrophenol	390	U	160	390	480	ug/Kg
132-64-9	Dibenzofuran	190	U	33.1	190	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	73.0	190	250	ug/Kg
84-66-2	Diethylphthalate	190	U	41.2	190	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	38.9	190	250	ug/Kg
86-73-7	Fluorene	190	U	36.9	190	250	ug/Kg
100-01-6	4-Nitroaniline	190	U	93.5	190	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	150	390	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	47.9	190	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	40.5	190	250	ug/Kg
118-74-1	Hexachlorobenzene	190	U	36.9	190	250	ug/Kg
1912-24-9	Atrazine	190	U	49.5	190	250	ug/Kg
87-86-5	Pentachlorophenol	390	U	74.7	390	480	ug/Kg
85-01-8	Phenanthrene	190	U	30.4	190	250	ug/Kg
120-12-7	Anthracene	190	U	48.5	190	250	ug/Kg
86-74-8	Carbazole	190	U	45.5	190	250	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	69.8	190	250	ug/Kg
206-44-0	Fluoranthene	190	U	43.7	190	250	ug/Kg
129-00-0	Pyrene	190	U	52.4	190	250	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	100	190	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	53.5	390	480	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	33.5	190	250	ug/Kg
218-01-9	Chrysene	190	U	29.0	190	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	580		86.2	190	250	ug/Kg
117-84-0	Di-n-octyl phthalate	200	J	130	390	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	27.7	190	250	ug/Kg

Alliance TECHNICAL GROUP
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Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
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Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	190	U	32.6	190	250	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	43.0	190	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	42.4	190	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	39.9	190	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	37.4	190	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	37.3	190	250	ug/Kg
123-91-1	1,4-Dioxane	360		65.8	190	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	39.9	190	250	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	3.73	*	35 - 115		2%	SPK: 150
13127-88-3	Phenol-d6	3.88	*	34 - 127		3%	SPK: 150
4165-60-0	Nitrobenzene-d5	9.31	*	37 - 122		9%	SPK: 100
321-60-8	2-Fluorobiphenyl	6.94	*	44 - 115		7%	SPK: 100
118-79-6	2,4,6-Tribromophenol	4.54	*	39 - 132		3%	SPK: 150
1718-51-0	Terphenyl-d14	4.04	*	54 - 127		4%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.963				
1146-65-2	Naphthalene-d8	476000	8.24				
15067-26-2	Acenaphthene-d10	256000	9.998				
1517-22-2	Phenanthrene-d10	430000	11.48				
1719-03-5	Chrysene-d12	263000	14.116				
1520-96-3	Perylene-d12	259000	15.621				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			2.32	ug/Kg
	unknown2.387	430	J			2.39	ug/Kg
000079-00-5	Ethane, 1,1,2-trichloro-	4600	J			4.31	ug/Kg
000616-62-6	Propanedioic acid, propyl-	3300	J			5.16	ug/Kg
004439-24-1	Ethylene glycol monoisobutyl ether	420	J			5.92	ug/Kg
002078-54-8	Propofol	320	J			9.86	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J			12.0	ug/Kg

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

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