

LAB CHRONICLE

OrderID:	Q2645	OrderDate:	7/18/2025 11:25:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	--Select--,O41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2645-02	RW5B-CARBON-20250 716	SOIL	SVOC-TCL BNA -20	8270E	07/16/25	07/22/25	07/23/25	07/18/25

Hit Summary Sheet SW-846

SDG No.: Q2645
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW5B-CARBON-20250716									
Q2645-02	RW5B-CARBON-202507	SOIL	Bis(2-ethylhexyl)phthalate	580.000		86.2	190	250	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Di-n-octyl phthalate	200.000	J	130	390	480	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	1,4-Dioxane	360.000		65.8	190	250	ug/Kg
Total Svoc :				1,140.00					
Q2645-02	RW5B-CARBON-202507	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Ethane, 1,1,2-trichloro-	*	4,600.000	J	0	0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Ethylene glycol monoisobutyl eth	*	420.000	J	0	0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	n-Hexadecanoic acid	*	270.000	J	0	0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Propanedioic acid, propyl-	*	3,300.000	J	0	0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Propofol	*	320.000	J	0	0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	unknown2.387	*	430.000	J	0	0	ug/Kg
Total Tics :				10,640.00					
Total Concentration:				11,780.00					



SAMPLE DATA

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

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)
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

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)
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

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)
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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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: **Q2645**

Client: **Tetra Tech NUS, Inc.**

Analytical Method: **8270E**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB168948BL	PB168948BL	2-Fluorophenol	150	115	77		35	115
		Phenol-d6	150	116	77		34	127
		Nitrobenzene-d5	100	79.9	80		37	122
		2-Fluorobiphenyl	100	74.8	75		44	115
		2,4,6-Tribromophenol	150	125	83		39	132
		Terphenyl-d14	100	80.0	80		54	127
PB168948BS	PB168948BS	2-Fluorophenol	150	116	77		35	115
		Phenol-d6	150	118	79		34	127
		Nitrobenzene-d5	100	85.0	85		37	122
		2-Fluorobiphenyl	100	78.7	79		44	115
		2,4,6-Tribromophenol	150	131	87		39	132
		Terphenyl-d14	100	85.7	86		54	127
Q2645-02	RW5B-CARBON-20250716	2-Fluorophenol	150	3.73	2	*	35	115
		Phenol-d6	150	3.88	3	*	34	127
		Nitrobenzene-d5	100	9.31	9	*	37	122
		2-Fluorobiphenyl	100	6.94	7	*	44	115
		2,4,6-Tribromophenol	150	4.54	3	*	39	132
		Terphenyl-d14	100	4.04	4	*	54	127
Q2649-09MS	WC-3MS	2-Fluorophenol	150	81.7	54		35	115
		Phenol-d6	150	89.3	60		34	127
		Nitrobenzene-d5	100	58.8	59		37	122
		2-Fluorobiphenyl	100	54.3	54		44	115
		2,4,6-Tribromophenol	150	92.4	62		39	132
		Terphenyl-d14	100	56.4	56		54	127
Q2649-09MSD	WC-3MSD	2-Fluorophenol	150	83.8	56		35	115
		Phenol-d6	150	92.0	61		34	127
		Nitrobenzene-d5	100	63.6	64		37	122
		2-Fluorobiphenyl	100	54.0	54		44	115
		2,4,6-Tribromophenol	150	92.4	62		39	132
		Terphenyl-d14	100	57.8	58		54	127

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645

Analytical Method: SW8270E

Client: Tetra Tech NUS, Inc.

DataFile: BF143219.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q2649-09MS		Client Sample ID: WC-3MS									
Benzaldehyde	1200	0	770	ug/Kg	64				10	161	
Phenol	1200	0	1000	ug/Kg	83				34	121	
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83				31	120	
2-Chlorophenol	1200	0	1100	ug/Kg	92				34	121	
2-Methylphenol	1200	0	1100	ug/Kg	92				32	122	
2,2-oxybis(1-Chloropropane)	1200	0	1000	ug/Kg	83				33	131	
Acetophenone	1200	0	1000	ug/Kg	83				33	115	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				34	119	
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83				36	120	
Hexachloroethane	1200	0	1100	ug/Kg	92				28	117	
Nitrobenzene	1200	0	1100	ug/Kg	92				34	122	
Isophorone	1200	0	1000	ug/Kg	83				30	122	
2-Nitrophenol	1200	0	1200	ug/Kg	100				36	123	
2,4-Dimethylphenol	1200	0	1000	ug/Kg	83				30	127	
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83				36	121	
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92				40	122	
Naphthalene	1200	0	1000	ug/Kg	83				35	123	
4-Chloroaniline	1200	0	160	ug/Kg	13	*			17	106	
Hexachlorobutadiene	1200	0	1100	ug/Kg	92				32	123	
Caprolactam	1200	0	1200	ug/Kg	100				46	117	
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92				45	122	
2-Methylnaphthalene	1200	0	1100	ug/Kg	92				38	122	
Hexachlorocyclopentadiene	2500	0	2200	ug/Kg	88				43	112	
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92				39	126	
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92				41	124	
1,1-Biphenyl	1200	0	1100	ug/Kg	92				40	117	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				41	114	
2-Nitroaniline	1200	0	1100	ug/Kg	92				44	127	
Dimethylphthalate	1200	0	1100	ug/Kg	92				48	124	
Acenaphthylene	1200	0	1100	ug/Kg	92				32	132	
2,6-Dinitrotoluene	1200	0	1200	ug/Kg	100				46	124	
3-Nitroaniline	1200	0	540	ug/Kg	45				33	119	
Acenaphthene	1200	0	1200	ug/Kg	100				40	123	
2,4-Dinitrophenol	2500	0	2700	ug/Kg	108				15	130	
4-Nitrophenol	2500	0	2300	ug/Kg	92				30	132	
Dibenzofuran	1200	0	1100	ug/Kg	92				44	120	
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108				48	126	
Diethylphthalate	1200	0	1100	ug/Kg	92				50	124	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				45	121	
Fluorene	1200	0	1100	ug/Kg	92				43	125	
4-Nitroaniline	1200	0	1200	ug/Kg	100				35	115	
4,6-Dinitro-2-methylphenol	1200	0	1300	ug/Kg	108				29	132	
N-Nitrosodiphenylamine	1200	0	1000	ug/Kg	83				38	127	
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92				46	124	
Hexachlorobenzene	1200	0	1100	ug/Kg	92				45	122	
Atrazine	1200	0	1200	ug/Kg	100				47	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645

Analytical Method: SW8270E

Client: Tetra Tech NUS, Inc.

DataFile: BF143219.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2500	0	1600	ug/Kg	64				25	133	
Phenanthrene	1200	0	1000	ug/Kg	83				50	121	
Anthracene	1200	0	1000	ug/Kg	83				47	123	
Carbazole	1200	0	1100	ug/Kg	92				50	123	
Di-n-butylphthalate	1200	0	1200	ug/Kg	100				51	128	
Fluoranthene	1200	0	1100	ug/Kg	92				50	127	
Pyrene	1200	0	1100	ug/Kg	92				47	127	
Butylbenzylphthalate	1200	0	1400	ug/Kg	117				48	132	
3,3-Dichlorobenzidine	1200	0	370	ug/Kg	31				22	121	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				49	126	
Chrysene	1200	0	1100	ug/Kg	92				50	124	
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100				51	133	
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92				45	140	
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92				45	132	
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92				47	132	
Benzo(a)pyrene	1200	0	1100	ug/Kg	92				45	129	
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92				45	133	
Dibenz(a,h)anthracene	1200	0	1100	ug/Kg	92				45	134	
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92				43	134	
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92				37	119	
1,4-Dioxane	1200	0	920	ug/Kg	77				70	130	
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83				44	125	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645

Analytical Method: SW8270E

Client: Tetra Tech NUS, Inc.

DataFile: BF143220.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q2649-09MSD	Client Sample ID:	WC-3MSD								
Benzaldehyde	1200	0	810	ug/Kg	68		6		10	161	20
Phenol	1200	0	1100	ug/Kg	92		10		34	121	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		0		31	120	20
2-Chlorophenol	1200	0	1100	ug/Kg	92		0		34	121	20
2-Methylphenol	1200	0	1100	ug/Kg	92		0		32	122	20
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92		10		33	131	20
Acetophenone	1200	0	1000	ug/Kg	83		0		33	115	20
3+4-Methylphenols	1200	0	1100	ug/Kg	92		10		34	119	20
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83		0		36	120	20
Hexachloroethane	1200	0	1100	ug/Kg	92		0		28	117	20
Nitrobenzene	1200	0	1100	ug/Kg	92		0		34	122	20
Isophorone	1200	0	1100	ug/Kg	92		10		30	122	20
2-Nitrophenol	1200	0	1200	ug/Kg	100		0		36	123	20
2,4-Dimethylphenol	1200	0	1100	ug/Kg	92		10		30	127	20
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92		10		36	121	20
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92		0		40	122	20
Naphthalene	1200	0	1100	ug/Kg	92		10		35	123	20
4-Chloroaniline	1200	0	190	ug/Kg	16	*	21	*	17	106	20
Hexachlorobutadiene	1200	0	1100	ug/Kg	92		0		32	123	20
Caprolactam	1200	0	1200	ug/Kg	100		0		46	117	20
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92		0		45	122	20
2-Methylnaphthalene	1200	0	1100	ug/Kg	92		0		38	122	20
Hexachlorocyclopentadiene	2500	0	2100	ug/Kg	84		5		43	112	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		10		39	126	20
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92		0		41	124	20
1,1-Biphenyl	1200	0	1100	ug/Kg	92		0		40	117	20
2-Chloronaphthalene	1200	0	1000	ug/Kg	83		10		41	114	20
2-Nitroaniline	1200	0	1200	ug/Kg	100		8		44	127	20
Dimethylphthalate	1200	0	1100	ug/Kg	92		0		48	124	20
Acenaphthylene	1200	0	1100	ug/Kg	92		0		32	132	20
2,6-Dinitrotoluene	1200	0	1200	ug/Kg	100		0		46	124	20
3-Nitroaniline	1200	0	550	ug/Kg	46		2		33	119	20
Acenaphthene	1200	0	1200	ug/Kg	100		0		40	123	20
2,4-Dinitrophenol	2500	0	2800	ug/Kg	112		4		15	130	20
4-Nitrophenol	2500	0	2300	ug/Kg	92		0		30	132	20
Dibenzofuran	1200	0	1100	ug/Kg	92		0		44	120	20
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108		0		48	126	20
Diethylphthalate	1200	0	1100	ug/Kg	92		0		50	124	20
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92		0		45	121	20
Fluorene	1200	0	1100	ug/Kg	92		0		43	125	20
4-Nitroaniline	1200	0	1200	ug/Kg	100		0		35	115	20
4,6-Dinitro-2-methylphenol	1200	0	1300	ug/Kg	108		0		29	132	20
N-Nitrosodiphenylamine	1200	0	1000	ug/Kg	83		0		38	127	20
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92		0		46	124	20
Hexachlorobenzene	1200	0	1000	ug/Kg	83		10		45	122	20
Atrazine	1200	0	1200	ug/Kg	100		0		47	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645

Analytical Method: SW8270E

Client: Tetra Tech NUS, Inc.

DataFile: BF143220.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2500	0	1600	ug/Kg	64	0			25	133	20
Phenanthrene	1200	0	1000	ug/Kg	83	0			50	121	20
Anthracene	1200	0	1000	ug/Kg	83	0			47	123	20
Carbazole	1200	0	1100	ug/Kg	92	0			50	123	20
Di-n-butylphthalate	1200	0	1200	ug/Kg	100	0			51	128	20
Fluoranthene	1200	0	1100	ug/Kg	92	0			50	127	20
Pyrene	1200	0	1100	ug/Kg	92	0			47	127	20
Butylbenzylphthalate	1200	0	1400	ug/Kg	117	0			48	132	20
3,3-Dichlorobenzidine	1200	0	370	ug/Kg	31	0			22	121	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92	0			49	126	20
Chrysene	1200	0	1100	ug/Kg	92	0			50	124	20
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100	0			51	133	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92	0			45	140	20
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92	0			45	132	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92	0			47	132	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92	0			45	129	20
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92	0			45	133	20
Dibenz(a,h)anthracene	1200	0	1100	ug/Kg	92	0			45	134	20
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92	0			43	134	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83	10			37	119	20
1,4-Dioxane	1200	0	910	ug/Kg	76	1			70	130	20
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83	0			44	125	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2645

Analytical Method: 8270E

Client: Tetra Tech NUS, Inc.

DataFile: BF143215.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168948BS	Benzaldehyde	1700	1100	ug/Kg	65				10	161	
	Phenol	1700	1400	ug/Kg	82				34	121	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				31	120	
	2-Chlorophenol	1700	1500	ug/Kg	88				34	121	
	2-Methylphenol	1700	1500	ug/Kg	88				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				33	131	
	Acetophenone	1700	1400	ug/Kg	82				33	115	
	3+4-Methylphenols	1700	1500	ug/Kg	88				34	119	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				36	120	
	Hexachloroethane	1700	1500	ug/Kg	88				28	117	
	Nitrobenzene	1700	1500	ug/Kg	88				34	122	
	Isophorone	1700	1500	ug/Kg	88				30	122	
	2-Nitrophenol	1700	1700	ug/Kg	100				36	123	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				30	127	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				36	121	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				40	122	
	Naphthalene	1700	1500	ug/Kg	88				35	123	
	4-Chloroaniline	1700	660	ug/Kg	39				17	106	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				32	123	
	Caprolactam	1700	1700	ug/Kg	100				46	117	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				45	122	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				43	112	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				39	126	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				41	124	
	1,1-Biphenyl	1700	1500	ug/Kg	88				40	117	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				41	114	
	2-Nitroaniline	1700	1600	ug/Kg	94				44	127	
	Dimethylphthalate	1700	1500	ug/Kg	88				48	124	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				46	124	
	3-Nitroaniline	1700	1100	ug/Kg	65				33	119	
	Acenaphthene	1700	1600	ug/Kg	94				40	123	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				15	130	
	4-Nitrophenol	3300	3100	ug/Kg	94				30	132	
	Dibenzofuran	1700	1500	ug/Kg	88				44	120	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				48	126	
	Diethylphthalate	1700	1600	ug/Kg	94				50	124	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				45	121	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	4-Nitroaniline	1700	1700	ug/Kg	100				35	115	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				29	132	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				38	127	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				46	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: <u>Q2645</u>	Analytical Method: <u>8270E</u>
Client: <u>Tetra Tech NUS, Inc.</u>	DataFile: <u>BF143215.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB168948BS	Hexachlorobenzene	1700	1500	ug/Kg	88				45	122	
	Atrazine	1700	1700	ug/Kg	100				47	127	
	Pentachlorophenol	3300	2100	ug/Kg	64				25	133	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1500	ug/Kg	88				47	123	
	Carbazole	1700	1500	ug/Kg	88				50	123	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				51	128	
	Fluoranthene	1700	1500	ug/Kg	88				50	127	
	Pyrene	1700	1600	ug/Kg	94				47	127	
	Butylbenzylphthalate	1700	2000	ug/Kg	118				48	132	
	3,3-Dichlorobenzidine	1700	840	ug/Kg	49				22	121	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1500	ug/Kg	88				50	124	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				51	133	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				45	140	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				45	132	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				47	132	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				37	119	
	1,4-Dioxane	1700	1200	ug/Kg	71				70	130	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				44	125	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB168948BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q2645

Lab File ID: BF143214.D

Lab Sample ID: PB168948BL

Instrument ID: BNA_F

Date Extracted: 07/22/2025

Matrix: (soil/water) SOIL

Date Analyzed: 07/23/2025

Level: (low/med) LOW

Time Analyzed: 16:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168948BS	PB168948BS	BF143215.D	07/23/2025
RW5B-CARBON-20250716	Q2645-02	BF143216.D	07/23/2025
WC-3MS	Q2649-09MS	BF143219.D	07/23/2025
WC-3MSD	Q2649-09MSD	BF143220.D	07/23/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143138.D
Instrument ID: BNA_F

Contract: TETR06
SDG NO.: Q2645
DFTPP Injection Date: 07/17/2025
DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143209.D
Instrument ID: BNA_F

Contract: TETR06
SDG NO.: Q2645
DFTPP Injection Date: 07/23/2025
DFTPP Injection Time: 13:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143210.D	07/23/2025	14:33
PB168948BL	PB168948BL	BF143214.D	07/23/2025	16:30
PB168948BS	PB168948BS	BF143215.D	07/23/2025	16:59
RW5B-CARBON-20250716	Q2645-02	BF143216.D	07/23/2025	17:28
WC-3MS	Q2649-09MS	BF143219.D	07/23/2025	18:56
WC-3MSD	Q2649-09MSD	BF143220.D	07/23/2025	19:25
SSTDCCC040EC	SSTDCCC040	BF143221.D	07/23/2025	19:54

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2645

Client ID : SSTDCCC040

Date Analyzed: 07/23/2025

Lab File ID: BF143210.D

Time Analyzed: 14:33

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	97351	6.963	364498	8.25	187438	10.00
UPPER LIMIT	194702	7.463	728996	8.745	374876	10.498
LOWER LIMIT	48675.5	6.463	182249	7.745	93719	9.498
EPA SAMPLE NO.						
01 PB168948BL	130534	6.96	502795	8.24	278326	10.00
02 PB168948BS	126300	6.96	493438	8.25	259875	10.00
03 RW5B-CARBON-20250716	123339	6.96	475879	8.24	255682	10.00
04 WC-3MS	129050	6.96	500596	8.25	258431	10.00
05 WC-3MSD	123942	6.96	487638	8.25	259548	10.00

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q2645

Client ID: SSTDCCC040

Date Analyzed: 07/23/2025

Lab File ID: BF143210.D

Time Analyzed: 14:33

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	309922	11.486	228057	14.121	245226	15.627
UPPER LIMIT	619844	11.986	456114	14.621	490452	16.127
LOWER LIMIT	154961	10.986	114029	13.621	122613	15.127
EPA SAMPLE NO.						
01 PB168948BL	500788	11.49	303819	14.12	276240	15.62
02 PB168948BS	435477	11.49	244161	14.13	257113	15.63
03 RW5B-CARBON-20250716	430196	11.48	262836	14.12	258643	15.62
04 WC-3MS	430420	11.49	253028	14.12	273066	15.63
05 WC-3MSD	437619	11.49	254287	14.12	273112	15.63

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168948BL		SDG No.:	Q2645
Lab Sample ID:	PB168948BL		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
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
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	160	270	330	ug/Kg
108-95-2	Phenol	130	U	22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	37.5	130	170	ug/Kg
98-86-2	Acetophenone	130	U	29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	130	U	17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	18.3	130	170	ug/Kg
78-59-1	Isophorone	130	U	32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	58.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	64.7	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	28.3	130	170	ug/Kg
91-20-3	Naphthalene	130	U	22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	25.3	130	170	ug/Kg
105-60-2	Caprolactam	270	U	52.0	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	27.1	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168948BL		SDG No.:	Q2645
Lab Sample ID:	PB168948BL		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
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
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	46.0	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	50.0	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	26.7	130	170	ug/Kg
86-73-7	Fluorene	130	U	25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	64.1	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	25.3	130	170	ug/Kg
1912-24-9	Atrazine	130	U	34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	51.2	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	20.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	33.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	47.9	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	30.0	130	170	ug/Kg
129-00-0	Pyrene	130	U	36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	71.3	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	23.0	130	170	ug/Kg
218-01-9	Chrysene	130	U	19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	59.1	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	19.0	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168948BL		SDG No.:	Q2645
Lab Sample ID:	PB168948BL		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
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
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	27.4	130	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	115		35 - 115		77%	SPK: 150
13127-88-3	Phenol-d6	116		34 - 127		77%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.9		37 - 122		80%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.8		44 - 115		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		39 - 132		83%	SPK: 150
1718-51-0	Terphenyl-d14	80.0		54 - 127		80%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	131000	6.963
1146-65-2	Naphthalene-d8	503000	8.239
15067-26-2	Acenaphthene-d10	278000	9.998
1517-22-2	Phenanthrene-d10	501000	11.486
1719-03-5	Chrysene-d12	304000	14.121
1520-96-3	Perylene-d12	276000	15.621

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	A		5.22	ug/Kg
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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168948BL		SDG No.:	Q2645
Lab Sample ID:	PB168948BL		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
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
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168948BS		SDG No.:	Q2645
Lab Sample ID:	PB168948BS		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
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
BF143215.D	1	07/22/25 10:05	07/23/25 16:59	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1100		160	270	330	ug/Kg
108-95-2	Phenol	1400		22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	130	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	130	170	ug/Kg
78-59-1	Isophorone	1500		32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		58.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.8	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	130	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	130	170	ug/Kg
105-60-2	Caprolactam	1700		52.1	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168948BS		SDG No.:	Q2645
Lab Sample ID:	PB168948BS		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
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
BF143215.D	1	07/22/25 10:05	07/23/25 16:59	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		46.0	130	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		50.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	130	170	ug/Kg
86-73-7	Fluorene	1500		25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		64.2	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	130	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	2100		51.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	130	170	ug/Kg
120-12-7	Anthracene	1500		33.3	130	170	ug/Kg
86-74-8	Carbazole	1500		31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	130	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	130	170	ug/Kg
129-00-0	Pyrene	1600		36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	2000		71.4	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	840		36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	130	170	ug/Kg
218-01-9	Chrysene	1500		19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		59.2	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB168948BS		SDG No.:	Q2645
Lab Sample ID:	PB168948BS		Matrix:	SOIL
Analytical Method:	8270E		% Solid:	100
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
BF143215.D	1	07/22/25 10:05	07/23/25 16:59	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116		35 - 115		77%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.0		37 - 122		85%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		44 - 115		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		39 - 132		87%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		54 - 127		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.963				
1146-65-2	Naphthalene-d8	493000	8.245				
15067-26-2	Acenaphthene-d10	260000	10.004				
1517-22-2	Phenanthrene-d10	435000	11.486				
1719-03-5	Chrysene-d12	244000	14.127				
1520-96-3	Perylene-d12	257000	15.627				

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MS	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
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
BF143219.D	1	07/22/25 10:05	07/23/25 18:56	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	770		120	200	240	ug/Kg
108-95-2	Phenol	1000		16.4	96.4	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		18.0	96.4	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	96.4	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.2	96.4	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27.8	96.4	130	ug/Kg
98-86-2	Acetophenone	1000		21.9	96.4	130	ug/Kg
65794-96-9	3+4-Methylphenols	1000		30.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		35.1	59.3	59.3	ug/Kg
67-72-1	Hexachloroethane	1100		13.0	96.4	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	96.4	130	ug/Kg
78-59-1	Isophorone	1000		24.3	96.4	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.1	96.4	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		48.0	96.4	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		22.8	96.4	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.0	96.4	130	ug/Kg
91-20-3	Naphthalene	1000		16.8	96.4	130	ug/Kg
106-47-8	4-Chloroaniline	160		26.2	96.4	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.8	96.4	130	ug/Kg
105-60-2	Caprolactam	1200		38.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.3	96.4	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		19.0	96.4	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	86.0	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.7	96.4	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.6	96.4	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.2	96.4	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	96.4	130	ug/Kg
88-74-4	2-Nitroaniline	1100		35.7	96.4	130	ug/Kg
131-11-3	Dimethylphthalate	1100		20.1	96.4	130	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	07/18/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	07/18/25	
Client Sample ID:	WC-3MS		SDG No.:	Q2645	
Lab Sample ID:	Q2649-09MS		Matrix:	SOIL	
Analytical Method:	8270E		% Solid:	80.9	
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
BF143219.D	1	07/22/25 10:05	07/23/25 18:56	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		21.4	96.4	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		24.9	96.4	130	ug/Kg
99-09-2	3-Nitroaniline	540		34.1	96.4	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	96.4	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	170	200	240	ug/Kg
100-02-7	4-Nitrophenol	2300	E	79.3	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	96.4	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		37.1	96.4	130	ug/Kg
84-66-2	Diethylphthalate	1100		21.0	96.4	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.8	96.4	130	ug/Kg
86-73-7	Fluorene	1100		18.8	96.4	130	ug/Kg
100-01-6	4-Nitroaniline	1200		47.6	96.4	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		76.4	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		24.4	96.4	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		20.6	96.4	130	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.8	96.4	130	ug/Kg
1912-24-9	Atrazine	1200		25.2	96.4	130	ug/Kg
87-86-5	Pentachlorophenol	1600		38.0	200	240	ug/Kg
85-01-8	Phenanthrene	1000		15.5	96.4	130	ug/Kg
120-12-7	Anthracene	1000		24.7	96.4	130	ug/Kg
86-74-8	Carbazole	1100		23.1	96.4	130	ug/Kg
84-74-2	Di-n-butylphthalate	1200		35.5	96.4	130	ug/Kg
206-44-0	Fluoranthene	1100		22.2	96.4	130	ug/Kg
129-00-0	Pyrene	1100		26.7	96.4	130	ug/Kg
85-68-7	Butylbenzylphthalate	1400		52.9	96.4	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370		27.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.1	96.4	130	ug/Kg
218-01-9	Chrysene	1100		14.8	96.4	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		43.9	96.4	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		64.4	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		14.1	96.4	130	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	07/18/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	07/18/25	
Client Sample ID:	WC-3MS		SDG No.:	Q2645	
Lab Sample ID:	Q2649-09MS		Matrix:	SOIL	
Analytical Method:	8270E		% Solid:	80.9	
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
BF143219.D	1	07/22/25 10:05	07/23/25 18:56	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.6	96.4	130	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.9	96.4	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.6	96.4	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		20.3	96.4	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.1	96.4	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	96.4	130	ug/Kg
123-91-1	1,4-Dioxane	920		33.5	96.4	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.3	96.4	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.7		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	89.3		34 - 127		60%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.3		44 - 115		54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		39 - 132		62%	SPK: 150
1718-51-0	Terphenyl-d14	56.4		54 - 127		56%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129000	6.963				
1146-65-2	Naphthalene-d8	501000	8.245				
15067-26-2	Acenaphthene-d10	258000	9.998				
1517-22-2	Phenanthrene-d10	430000	11.486				
1719-03-5	Chrysene-d12	253000	14.121				
1520-96-3	Perylene-d12	273000	15.627				

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.05 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
BF143220.D	1	07/22/25 10:05	07/23/25 19:25	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	810		120	200	240	ug/Kg
108-95-2	Phenol	1100		16.4	96.3	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		18.0	96.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	96.3	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.2	96.3	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.8	96.3	130	ug/Kg
98-86-2	Acetophenone	1000		21.9	96.3	130	ug/Kg
65794-96-9	3+4-Methylphenols	1100		30.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		35.1	59.3	59.3	ug/Kg
67-72-1	Hexachloroethane	1100		13.0	96.3	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	96.3	130	ug/Kg
78-59-1	Isophorone	1100		24.3	96.3	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.1	96.3	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.0	96.3	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.8	96.3	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.0	96.3	130	ug/Kg
91-20-3	Naphthalene	1100		16.8	96.3	130	ug/Kg
106-47-8	4-Chloroaniline	190		26.2	96.3	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.7	96.3	130	ug/Kg
105-60-2	Caprolactam	1200		38.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.3	96.3	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		19.0	96.3	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	E	85.9	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		14.7	96.3	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.6	96.3	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.2	96.3	130	ug/Kg
91-58-7	2-Chloronaphthalene	1000		16.7	96.3	130	ug/Kg
88-74-4	2-Nitroaniline	1200		35.6	96.3	130	ug/Kg
131-11-3	Dimethylphthalate	1100		20.1	96.3	130	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	07/18/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	07/18/25	
Client Sample ID:	WC-3MSD		SDG No.:	Q2645	
Lab Sample ID:	Q2649-09MSD		Matrix:	SOIL	
Analytical Method:	8270E		% Solid:	80.9	
Sample Wt/Vol:	50.05	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
BF143220.D	1	07/22/25 10:05	07/23/25 19:25	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		21.4	96.3	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		24.9	96.3	130	ug/Kg
99-09-2	3-Nitroaniline	550		34.1	96.3	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	96.3	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	170	200	240	ug/Kg
100-02-7	4-Nitrophenol	2300	E	79.3	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	96.3	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		37.1	96.3	130	ug/Kg
84-66-2	Diethylphthalate	1100		21.0	96.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.8	96.3	130	ug/Kg
86-73-7	Fluorene	1100		18.7	96.3	130	ug/Kg
100-01-6	4-Nitroaniline	1200		47.6	96.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		76.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		24.4	96.3	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		20.6	96.3	130	ug/Kg
118-74-1	Hexachlorobenzene	1000		18.7	96.3	130	ug/Kg
1912-24-9	Atrazine	1200		25.2	96.3	130	ug/Kg
87-86-5	Pentachlorophenol	1600		38.0	200	240	ug/Kg
85-01-8	Phenanthrene	1000		15.5	96.3	130	ug/Kg
120-12-7	Anthracene	1000		24.7	96.3	130	ug/Kg
86-74-8	Carbazole	1100		23.1	96.3	130	ug/Kg
84-74-2	Di-n-butylphthalate	1200		35.5	96.3	130	ug/Kg
206-44-0	Fluoranthene	1100		22.2	96.3	130	ug/Kg
129-00-0	Pyrene	1100		26.7	96.3	130	ug/Kg
85-68-7	Butylbenzylphthalate	1400		52.9	96.3	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370		27.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.0	96.3	130	ug/Kg
218-01-9	Chrysene	1100		14.7	96.3	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		43.9	96.3	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		64.3	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		14.1	96.3	130	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.05 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
BF143220.D	1	07/22/25 10:05	07/23/25 19:25	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.6	96.3	130	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.9	96.3	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.6	96.3	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		20.3	96.3	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.0	96.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		19.0	96.3	130	ug/Kg
123-91-1	1,4-Dioxane	910		33.5	96.3	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.3	96.3	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.8		35 - 115		56%	SPK: 150
13127-88-3	Phenol-d6	92.0		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.6		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.0		44 - 115		54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		39 - 132		62%	SPK: 150
1718-51-0	Terphenyl-d14	57.8		54 - 127		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.963				
1146-65-2	Naphthalene-d8	488000	8.245				
15067-26-2	Acenaphthene-d10	260000	9.998				
1517-22-2	Phenanthrene-d10	438000	11.486				
1719-03-5	Chrysene-d12	254000	14.121				
1520-96-3	Perylene-d12	273000	15.627				

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



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071725.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 17 15:14:05 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF143147.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598		4.09
3) Pyridine	1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552		3.88
4) n-Nitrosodimet...		0.776	0.799	0.810	0.851	0.804	0.768	0.801		3.66
5) S 2-Fluorophenol	1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264		7.00
6) Aniline	2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217		4.86
7) S Phenol-d6	1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591		6.72
8) 2-Chlorophenol	1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325		4.87
9) Benzaldehyde		1.167	1.163	1.443	1.411	1.122	0.851	1.193		18.13
10) C Phenol	1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733		6.37
11) bis(2-Chloroet...	1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327		5.40
12) 1,3-Dichlorobe...	1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439		7.18
13) C 1,4-Dichlorobe...	1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449		7.52
14) 1,2-Dichlorobe...	1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378		6.96
15) Benzyl Alcohol		1.214	1.246	1.215	1.278	1.193	1.141	1.215		3.85
16) 2,2'-oxybis(1-...	2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461		6.55
17) 2-Methylphenol	1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114		4.61
18) Hexachloroethane	0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502		4.68
19) P n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20) 3+4-Methylphenols		1.467	1.469	1.341	1.402	1.268	1.162	1.351		8.95
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474		8.65
23) S Nitrobenzene-d5	0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401		3.47
24) Nitrobenzene	0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374		3.88
25) Isophorone	0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708		3.75
26) C 2-Nitrophenol	0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162		11.25
27) 2,4-Dimethylph...	0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331		5.70
28) bis(2-Chloroet...	0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425		6.28
29) C 2,4-Dichloroph...	0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279		4.44
30) 1,2,4-Trichlor...	0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302		6.43
31) Naphthalene	1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985		8.91
32) Benzoic acid		0.104	0.149	0.180	0.197	0.187	0.194	0.169		21.36
33) 4-Chloroaniline	0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402		6.33
34) C Hexachlorobuta...	0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184		4.59
35) Caprolactam		0.078	0.084	0.087	0.091	0.085	0.082	0.084		5.35
36) C 4-Chloro-3-met...	0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303		4.04
37) 2-Methylnaphth...	0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599		8.17
38) 1-Methylnaphth...	0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617		8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071725.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93	
41) P	Hexachlorocycl...		0.337	0.373	0.373	0.404	0.393	0.374	0.376	6.14	
42) S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55	
43) C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63	
44)	2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76	
45) S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58	
46)	1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62	
47)	2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14	
48)	2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85	
49)	Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71	
50)	Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16	
51)	2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14	
52) C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53	
53)	3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13	
54) P	2,4-Dinitrophenol		0.051	0.081	0.104	0.116	0.118	0.121	0.098	28.02	
55)	Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02	
56) P	4-Nitrophenol		0.200	0.228	0.246	0.250	0.237	0.229	0.232	7.70	
57)	2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03	
58)	Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79	
59)	2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30	
60)	Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81	
61)	4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86	
62)	4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44	
63)	Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.054	0.087	0.097	0.110	0.109	0.109	0.094	22.88	
66) c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03	
67)	4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26	
68)	Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80	
69)	Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32	
70) C	Pentachlorophenol		0.119	0.146	0.148	0.160	0.155	0.150	0.147	9.70	
71)	Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98	
72)	Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13	
73)	Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93	
74)	Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36	
75) C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine		0.758	0.844	0.953	0.697	0.601		0.771	17.53	
78)	Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72	
79) S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43	
80)	Butylbenzylphth...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61	
81)	Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86	
82)	3,3'-Dichlorob...		0.437	0.495	0.429	0.476	0.440	0.401	0.446	7.58	
83)	Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29	
84)	Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03	
85) c	Di-n-octyl pht...		1.274	1.428	1.384	1.550	1.508	1.461	1.434	6.83	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.424	1.336	1.430	1.413	1.505	1.411	1.352	1.410	3.92
88)	Benzo(b)fluora...	1.231	1.136	1.287	1.147	1.352	1.188	1.212	1.222	6.30
89)	Benzo(k)fluora...	1.168	1.152	1.093	1.134	1.069	1.080	0.937	1.090	7.10
90) C	Benzo(a)pyrene	1.129	1.102	1.147	1.121	1.192	1.121	1.070	1.126	3.35
91)	Dibenzo(a,h)an...	1.159	1.103	1.179	1.147	1.221	1.140	1.087	1.148	3.92
92)	Benzo(g,h,i)pe...	1.100	1.047	1.140	1.109	1.196	1.113	1.067	1.110	4.37

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETRO6</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2645</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/23/2025 14:33</u>
Lab File ID:	<u>BF143210.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.243		-1.7	
Benzaldehyde	1.193	1.066		-10.6	
Phenol-d6	1.591	1.523		-4.3	
Phenol	1.733	1.726		-0.4	20.0
bis(2-Chloroethyl)ether	1.327	1.254		-5.5	
2-Chlorophenol	1.325	1.298		-2.0	
2-Methylphenol	1.114	1.066		-4.3	
2,2-oxybis(1-Chloropropane)	2.461	2.315		-5.9	
Acetophenone	0.474	0.460		-3.0	
3+4-Methylphenols	1.351	1.319		-2.4	
n-Nitroso-di-n-propylamine	1.021	0.929	0.050	-9.0	
Nitrobenzene-d5	0.401	0.408		1.7	
Hexachloroethane	0.502	0.518		3.2	
Nitrobenzene	0.374	0.377		0.8	
Isophorone	0.708	0.669		-5.5	
2-Nitrophenol	0.162	0.179		10.5	20.0
2,4-Dimethylphenol	0.331	0.316		-4.5	
bis(2-Chloroethoxy)methane	0.425	0.401		-5.6	
2,4-Dichlorophenol	0.279	0.275		-1.4	20.0
Naphthalene	0.985	0.978		-0.7	
4-Chloroaniline	0.402	0.385		-4.2	
Hexachlorobutadiene	0.184	0.189		2.7	20.0
Caprolactam	0.084	0.086		2.4	
4-Chloro-3-methylphenol	0.303	0.294		-3.0	20.0
2-Methylnaphthalene	0.599	0.593		-1.0	
Hexachlorocyclopentadiene	0.376	0.395	0.050	5.1	
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.452		-0.7	
2,4,5-Trichlorophenol	0.400	0.402		0.5	
1,1-Biphenyl	1.560	1.539		-1.3	
2-Chloronaphthalene	1.155	1.124		-2.7	
2-Nitroaniline	0.362	0.373		3.0	
Dimethylphthalate	1.304	1.287		-1.3	
Acenaphthylene	1.935	1.886		-2.5	
2,6-Dinitrotoluene	0.265	0.272		2.6	
3-Nitroaniline	0.310	0.321		3.5	
Acenaphthene	1.144	1.132		-1.0	20.0
2,4-Dinitrophenol	0.098	0.121	0.050	23.5	
4-Nitrophenol	0.232	0.241	0.050	3.9	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2645</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/23/2025 14:33</u>
Lab File ID:	<u>BF143210.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.669		-1.7	
2,4-Dinitrotoluene	0.333	0.361		8.4	
Diethylphthalate	1.289	1.275		-1.1	
4-Chlorophenyl-phenylether	0.635	0.635		0.0	
Fluorene	1.274	1.270		-0.3	
4-Nitroaniline	0.266	0.288		8.3	
4,6-Dinitro-2-methylphenol	0.094	0.106		12.8	
n-Nitrosodiphenylamine	0.704	0.668		-5.1	20.0
2,4,6-Tribromophenol	0.207	0.202		-2.4	
4-Bromophenyl-phenylether	0.238	0.229		-3.8	
Hexachlorobenzene	0.249	0.244		-2.0	
Atrazine	0.194	0.204		5.2	
Pentachlorophenol	0.147	0.134		-8.8	20.0
Phenanthrene	1.062	1.044		-1.7	
Anthracene	1.083	1.077		-0.6	
Carbazole	0.946	0.981		3.7	
Di-n-butylphthalate	1.070	1.183		10.6	
Fluoranthene	0.975	1.087		11.5	20.0
Pyrene	1.707	1.483		-13.1	
Terphenyl-d14	1.344	1.178		-12.4	
Butylbenzylphthalate	0.523	0.616		17.8	
3,3-Dichlorobenzidine	0.446	0.430		-3.6	
Benzo (a) anthracene	1.339	1.274		-4.9	
Chrysene	1.204	1.200		-0.3	
Bis(2-ethylhexyl)phthalate	0.791	0.860		8.7	
Di-n-octyl phthalate	1.434	1.441		0.5	20.0
Benzo (b) fluoranthene	1.222	1.277		4.5	
Benzo (k) fluoranthene	1.090	0.998		-8.4	
Benzo (a) pyrene	1.126	1.108		-1.6	20.0
Indeno (1,2,3-cd) pyrene	1.410	1.357		-3.8	
Dibenzo (a,h) anthracene	1.148	1.110		-3.3	
Benzo (g,h,i) perylene	1.110	1.097		-1.2	
1,2,4,5-Tetrachlorobenzene	0.577	0.577		0.0	
1,4-Dioxane	0.598	0.584		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.297		-10.3	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2645</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/23/2025 19:54</u>
Lab File ID:	<u>BF143221.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.184		-6.3	50.0
Benzaldehyde	1.193	1.042		-12.7	50.0
Phenol-d6	1.591	1.484		-6.7	50.0
Phenol	1.733	1.686		-2.8	50.0
bis(2-Chloroethyl)ether	1.327	1.245		-6.2	50.0
2-Chlorophenol	1.325	1.267		-4.4	50.0
2-Methylphenol	1.114	1.072		-3.8	50.0
2,2-oxybis(1-Chloropropane)	2.461	2.326		-5.5	50.0
Acetophenone	0.474	0.452		-4.6	50.0
3+4-Methylphenols	1.351	1.294		-4.2	50.0
n-Nitroso-di-n-propylamine	1.021	0.945	0.050	-7.4	50.0
Nitrobenzene-d5	0.401	0.407		1.5	50.0
Hexachloroethane	0.502	0.505		0.6	50.0
Nitrobenzene	0.374	0.372		-0.5	50.0
Isophorone	0.708	0.683		-3.5	50.0
2-Nitrophenol	0.162	0.184		13.6	50.0
2,4-Dimethylphenol	0.331	0.321		-3.0	50.0
bis(2-Chloroethoxy)methane	0.425	0.409		-3.8	50.0
2,4-Dichlorophenol	0.279	0.277		-0.7	50.0
Naphthalene	0.985	0.969		-1.6	50.0
4-Chloroaniline	0.402	0.379		-5.7	50.0
Hexachlorobutadiene	0.184	0.185		0.5	50.0
Caprolactam	0.084	0.087		3.6	50.0
4-Chloro-3-methylphenol	0.303	0.298		-1.6	50.0
2-Methylnaphthalene	0.599	0.584		-2.5	50.0
Hexachlorocyclopentadiene	0.376	0.396	0.050	5.3	50.0
2,4,6-Trichlorophenol	0.400	0.394		-1.5	50.0
2-Fluorobiphenyl	1.462	1.438		-1.7	50.0
2,4,5-Trichlorophenol	0.400	0.408		2.0	50.0
1,1-Biphenyl	1.560	1.557		-0.2	50.0
2-Chloronaphthalene	1.155	1.142		-1.1	50.0
2-Nitroaniline	0.362	0.386		6.6	50.0
Dimethylphthalate	1.304	1.313		0.7	50.0
Acenaphthylene	1.935	1.893		-2.2	50.0
2,6-Dinitrotoluene	0.265	0.288		8.7	50.0
3-Nitroaniline	0.310	0.314		1.3	50.0
Acenaphthene	1.144	1.148		0.3	50.0
2,4-Dinitrophenol	0.098	0.136	0.050	38.8	50.0
4-Nitrophenol	0.232	0.238	0.050	2.6	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2645</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>07/23/2025 19:54</u>
Lab File ID:	<u>BF143221.D</u>	Init. Calib. Date(s):	<u>07/17/2025 07/17/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</u>	Init. Calib. Time(s):	<u>11:04 14:34</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.661		-2.2	50.0
2,4-Dinitrotoluene	0.333	0.376		12.9	50.0
Diethylphthalate	1.289	1.299		0.8	50.0
4-Chlorophenyl-phenylether	0.635	0.630		-0.8	50.0
Fluorene	1.274	1.254		-1.6	50.0
4-Nitroaniline	0.266	0.277		4.1	50.0
4,6-Dinitro-2-methylphenol	0.094	0.117		24.5	50.0
n-Nitrosodiphenylamine	0.704	0.672		-4.5	50.0
2,4,6-Tribromophenol	0.207	0.204		-1.4	50.0
4-Bromophenyl-phenylether	0.238	0.232		-2.5	50.0
Hexachlorobenzene	0.249	0.242		-2.8	50.0
Atrazine	0.194	0.207		6.7	50.0
Pentachlorophenol	0.147	0.149		1.4	50.0
Phenanthrene	1.062	1.037		-2.4	50.0
Anthracene	1.083	1.044		-3.6	50.0
Carbazole	0.946	0.929		-1.8	50.0
Di-n-butylphthalate	1.070	1.155		7.9	50.0
Fluoranthene	0.975	0.987		1.2	50.0
Pyrene	1.707	1.606		-5.9	50.0
Terphenyl-d14	1.344	1.260		-6.3	50.0
Butylbenzylphthalate	0.523	0.647		23.7	50.0
3,3-Dichlorobenzidine	0.446	0.442		-0.9	50.0
Benzo (a) anthracene	1.339	1.334		-0.4	50.0
Chrysene	1.204	1.132		-6.0	50.0
Bis(2-ethylhexyl)phthalate	0.791	0.884		11.8	50.0
Di-n-octyl phthalate	1.434	1.462		2.0	50.0
Benzo (b) fluoranthene	1.222	1.276		4.4	50.0
Benzo (k) fluoranthene	1.090	1.000		-8.3	50.0
Benzo (a) pyrene	1.126	1.111		-1.3	50.0
Indeno (1,2,3-cd) pyrene	1.410	1.398		-0.9	50.0
Dibenzo (a,h) anthracene	1.148	1.145		-0.3	50.0
Benzo (g,h,i) perylene	1.110	1.124		1.3	50.0
1,2,4,5-Tetrachlorobenzene	0.577	0.576		-0.2	50.0
1,4-Dioxane	0.598	0.552		-7.7	50.0
2,3,4,6-Tetrachlorophenol	0.331	0.310		-6.3	50.0

All other compounds must meet a minimum RRF of 0.010.