

LAB CHRONICLE

OrderID:	Q1069	OrderDate:	1/10/2025 1:20:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1069-01	RW7B-CARBON-20250 109	SOIL			01/09/25			01/09/25
			SVOC-TCL BNA -20	8270E		01/13/25	01/15/25	
Q1069-01RX	RW7B-CARBON-20250 109RX	SOIL			01/09/25			01/09/25
			SVOC-TCL BNA -20	8270E		01/15/25	01/15/25	

Hit Summary Sheet SW-846

SDG No.: Q1069
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : RW7B-CARBON-20250109									
Q1069-01	RW7B-CARBON-202501	SOIL	Bis(2-ethylhexyl)phthalate	280.000	J	160	230	310	ug/Kg
Total Svoc :				280.00					
Q1069-01	RW7B-CARBON-202501	SOIL	1,2-Ethanediol, diformate	* 1,800.000	J	0		0	ug/Kg
Q1069-01	RW7B-CARBON-202501	SOIL	2-Pentanone, 4-hydroxy-4-methyl	* 230.000	AB	0		0	ug/Kg
Q1069-01	RW7B-CARBON-202501	SOIL	Benzophenone	* 290.000	J	0		0	ug/Kg
Q1069-01	RW7B-CARBON-202501	SOIL	Ethane, 1,1,2-trichloro-	* 2,000.000	J	0		0	ug/Kg
Q1069-01	RW7B-CARBON-202501	SOIL	Hexasiloxane, 1,1,3,3,5,5,7,7,9,9,	* 320.000	J	0		0	ug/Kg
Q1069-01	RW7B-CARBON-202501	SOIL	n-Hexadecanoic acid	* 260.000	J	0		0	ug/Kg
Q1069-01	RW7B-CARBON-202501	SOIL	Trichloroethylene	* 14,000.000	J	0		0	ug/Kg
Q1069-01	RW7B-CARBON-202501	SOIL	Pyridine	* 230.000	J	140		310	ug/Kg
Total Tics :				19,130.00					
Total Concentration:				19,410.00					
Client ID : RW7B-CARBON-20250109RX									
Q1069-01RX	RW7B-CARBON-202501	SOIL	Bis(2-ethylhexyl)phthalate	560.000		160	230	310	ug/Kg
Q1069-01RX	RW7B-CARBON-202501	SOIL	Di-n-octyl phthalate	210.000	J	200	480	590	ug/Kg
Total Svoc :				770.00					
Total Concentration:				770.00					



SAMPLE DATA

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

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)
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

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)
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

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)
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

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-20250109RX		SDG No.:	Q1069	
Lab Sample ID:	Q1069-01RX		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	55.6	
Sample Wt/Vol:	30.07	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
BF141174.D	1	01/15/25 09:15	01/15/25 14:39	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	480	U	330	480	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	480	U	140	480	590	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	140	U	72.3	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	480	U	160	480	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	480	UQ	280	480	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

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-20250109RX		SDG No.:	Q1069	
Lab Sample ID:	Q1069-01RX		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	55.6	
Sample Wt/Vol:	30.07	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
BF141174.D	1	01/15/25 09:15	01/15/25 14:39	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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	480	U	440	480	590	ug/Kg
100-02-7	4-Nitrophenol	480	U	210	480	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	480	U	210	480	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	UQ	160	230	310	ug/Kg
87-86-5	Pentachlorophenol	480	U	140	480	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	480	U	180	480	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	560		160	230	310	ug/Kg
117-84-0	Di-n-octyl phthalate	210	J	200	480	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	U	150	230	310	ug/Kg

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-20250109RX	SDG No.:	Q1069
Lab Sample ID:	Q1069-01RX	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	55.6
Sample Wt/Vol:	30.07 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
BF141174.D	1	01/15/25 09:15	01/15/25 14:39	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
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	49.5	*	35 - 115		33%	SPK: 150
13127-88-3	Phenol-d6	48.3	*	34 - 127		32%	SPK: 150
4165-60-0	Nitrobenzene-d5	38.0		37 - 122		38%	SPK: 100
321-60-8	2-Fluorobiphenyl	39.2	*	44 - 115		39%	SPK: 100
118-79-6	2,4,6-Tribromophenol	50.3	*	39 - 132		34%	SPK: 150
1718-51-0	Terphenyl-d14	28.7	*	54 - 127		29%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	131000	6.822
1146-65-2	Naphthalene-d8	511000	8.104
15067-26-2	Acenaphthene-d10	278000	9.857
1517-22-2	Phenanthrene-d10	450000	11.339
1719-03-5	Chrysene-d12	281000	13.98
1520-96-3	Perylene-d12	283000	15.439

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.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166035BL	PB166035BL	2-Fluorophenol	150	137	92		35	115
		Phenol-d6	150	136	90		34	127
		Nitrobenzene-d5	100	96.4	96		37	122
		2-Fluorobiphenyl	100	97.6	98		44	115
		2,4,6-Tribromophenol	150	153	102		39	132
		Terphenyl-d14	100	82.6	83		54	127
PB166035BS	PB166035BS	2-Fluorophenol	150	128	85		35	115
		Phenol-d6	150	127	85		34	127
		Nitrobenzene-d5	100	88.7	89		37	122
		2-Fluorobiphenyl	100	88.5	89		44	115
		2,4,6-Tribromophenol	150	147	98		39	132
		Terphenyl-d14	100	88.7	89		54	127
Q1068-01MS	TR-06-1-10-2025MS	2-Fluorophenol	150	69.8	47		35	115
		Phenol-d6	150	80.8	54		34	127
		Nitrobenzene-d5	100	61.4	61		37	122
		2-Fluorobiphenyl	100	65.8	66		44	115
		2,4,6-Tribromophenol	150	33.3	22	*	39	132
		Terphenyl-d14	100	45.4	45	*	54	127
Q1068-01MSD	TR-06-1-10-2025MSD	2-Fluorophenol	150	74.2	49		35	115
		Phenol-d6	150	88.2	59		34	127
		Nitrobenzene-d5	100	62.1	62		37	122
		2-Fluorobiphenyl	100	62.6	63		44	115
		2,4,6-Tribromophenol	150	37.1	25	*	39	132
		Terphenyl-d14	100	52.3	52	*	54	127
Q1069-01	RW7B-CARBON-20250109	2-Fluorophenol	150	7.86	5	*	35	115
		Phenol-d6	150	8.17	5	*	34	127
		Nitrobenzene-d5	100	8.53	9	*	37	122
		2-Fluorobiphenyl	100	8.53	9	*	44	115
		2,4,6-Tribromophenol	150	9.68	6	*	39	132
		Terphenyl-d14	100	7.98	8	*	54	127

Surrogate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB166061BL	PB166061BL	2-Fluorophenol	150	138	92		35	115
		Phenol-d6	150	135	90		34	127
		Nitrobenzene-d5	100	96.3	96		37	122
		2-Fluorobiphenyl	100	96.1	96		44	115
		2,4,6-Tribromophenol	150	148	99		39	132
		Terphenyl-d14	100	82.0	82		54	127
PB166061BS	PB166061BS	2-Fluorophenol	150	139	92		35	115
		Phenol-d6	150	138	92		34	127
		Nitrobenzene-d5	100	95.6	96		37	122
		2-Fluorobiphenyl	100	94.8	95		44	115
		2,4,6-Tribromophenol	150	156	104		39	132
		Terphenyl-d14	100	96.5	97		54	127
Q1069-01RX	RW7B-CARBON-20250109RX	2-Fluorophenol	150	49.5	33	*	35	115
		Phenol-d6	150	48.3	32	*	34	127
		Nitrobenzene-d5	100	38.0	38		37	122
		2-Fluorobiphenyl	100	39.2	39	*	44	115
		2,4,6-Tribromophenol	150	50.3	34	*	39	132
		Terphenyl-d14	100	28.7	29	*	54	127

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1068-01MS	Client Sample ID:	TR-06-1-10-2025MS					DataFile:	BF141175.D		
Benzaldehyde	1100	0	120	ug/Kg	11				10	161	
Phenol	1100	0	630	ug/Kg	57				34	121	
bis(2-Chloroethyl)ether	1100	0	670	ug/Kg	61				31	120	
2-Chlorophenol	1100	0	620	ug/Kg	56				34	121	
2-Methylphenol	1100	0	640	ug/Kg	58				32	122	
2,2-oxybis(1-Chloropropane)	1100	0	640	ug/Kg	58				33	131	
Acetophenone	1100	0	690	ug/Kg	63				33	115	
3+4-Methylphenols	1100	0	640	ug/Kg	58				34	119	
N-Nitroso-di-n-propylamine	1100	0	650	ug/Kg	59				36	120	
Hexachloroethane	1100	0	620	ug/Kg	56				28	117	
Nitrobenzene	1100	0	640	ug/Kg	58				34	122	
Isophorone	1100	0	700	ug/Kg	64				30	122	
2-Nitrophenol	1100	0	530	ug/Kg	48				36	123	
2,4-Dimethylphenol	1100	0	790	ug/Kg	72				30	127	
bis(2-Chloroethoxy)methane	1100	0	690	ug/Kg	63				36	121	
2,4-Dichlorophenol	1100	0	600	ug/Kg	55				40	122	
Naphthalene	1100	0	690	ug/Kg	63				35	123	
4-Chloroaniline	1100	0	250	ug/Kg	23				17	106	
Hexachlorobutadiene	1100	0	650	ug/Kg	59				32	123	
Caprolactam	1100	0	580	ug/Kg	53				46	117	
4-Chloro-3-methylphenol	1100	0	620	ug/Kg	56				45	122	
2-Methylnaphthalene	1100	0	680	ug/Kg	62				38	122	
Hexachlorocyclopentadiene	2200	0	1400	ug/Kg	64				43	112	
2,4,6-Trichlorophenol	1100	0	380	ug/Kg	35	*			39	126	
2,4,5-Trichlorophenol	1100	0	490	ug/Kg	45				41	124	
1,1-Biphenyl	1100	0	740	ug/Kg	67				40	117	
2-Chloronaphthalene	1100	0	680	ug/Kg	62				41	114	
2-Nitroaniline	1100	0	690	ug/Kg	63				44	127	
Dimethylphthalate	1100	0	730	ug/Kg	66				48	124	
Acenaphthylene	1100	110	850	ug/Kg	67				32	132	
2,6-Dinitrotoluene	1100	0	650	ug/Kg	59				46	124	
3-Nitroaniline	1100	0	500	ug/Kg	45				33	119	
Acenaphthene	1100	0	670	ug/Kg	61				40	123	
2,4-Dinitrophenol	2200	0	0	ug/Kg	0	*			15	130	
4-Nitrophenol	2200	0	460	ug/Kg	21	*			30	132	
Dibenzofuran	1100	0	680	ug/Kg	62				44	120	
2,4-Dinitrotoluene	1100	0	620	ug/Kg	56				48	126	
Diethylphthalate	1100	0	690	ug/Kg	63				50	124	
4-Chlorophenyl-phenylether	1100	0	660	ug/Kg	60				45	121	
Fluorene	1100	0	680	ug/Kg	62				43	125	
4-Nitroaniline	1100	0	530	ug/Kg	48				35	115	
4,6-Dinitro-2-methylphenol	1100	0	130	ug/Kg	12	*			29	132	
N-Nitrosodiphenylamine	1100	0	840	ug/Kg	76				38	127	
4-Bromophenyl-phenylether	1100	0	800	ug/Kg	73				46	124	
Hexachlorobenzene	1100	0	740	ug/Kg	67				45	122	
Atrazine	1100	0	980	ug/Kg	89				47	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2200	0	530	ug/Kg	24	*			25	133	
Phenanthrene	1100	130	880	ug/Kg	68				50	121	
Anthracene	1100	100	880	ug/Kg	71				47	123	
Carbazole	1100	0	730	ug/Kg	66				50	123	
Di-n-butylphthalate	1100	0	790	ug/Kg	72				51	128	
Fluoranthene	1100	190	1000	ug/Kg	74				50	127	
Pyrene	1100	210	750	ug/Kg	49				47	127	
Butylbenzylphthalate	1100	0	610	ug/Kg	55				48	132	
3,3-Dichlorobenzidine	1100	0	450	ug/Kg	41				22	121	
Benzo(a)anthracene	1100	160	920	ug/Kg	69				49	126	
Chrysene	1100	130	830	ug/Kg	64				50	124	
bis(2-Ethylhexyl)phthalate	1100	0	710	ug/Kg	65				51	133	
Di-n-octyl phthalate	1100	0	860	ug/Kg	78				45	140	
Benzo(b)fluoranthene	1100	230	990	ug/Kg	69				45	132	
Benzo(k)fluoranthene	1100	110	910	ug/Kg	73				47	132	
Benzo(a)pyrene	1100	280	1100	ug/Kg	75				45	129	
Indeno(1,2,3-cd)pyrene	1100	130	660	ug/Kg	48				45	133	
Dibenz(a,h)anthracene	1100	0	550	ug/Kg	50				45	134	
Benzo(g,h,i)perylene	1100	200	690	ug/Kg	45				43	134	
1,2,4,5-Tetrachlorobenzene	1100	0	740	ug/Kg	67				37	119	
1,4-Dioxane	1100	0	530	ug/Kg	48	*			70	130	
2,3,4,6-Tetrachlorophenol	1100	0	250	ug/Kg	23	*			44	125	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1068-01MSD	Client Sample ID:	TR-06-1-10-2025MSD					DataFile:	BF141176.D		
Benzaldehyde	1100	0	130	ug/Kg	12		9		10	161	20
Phenol	1100	0	700	ug/Kg	64		12		34	121	20
bis(2-Chloroethyl)ether	1100	0	700	ug/Kg	64		5		31	120	20
2-Chlorophenol	1100	0	670	ug/Kg	61		9		34	121	20
2-Methylphenol	1100	0	700	ug/Kg	64		10		32	122	20
2,2-oxybis(1-Chloropropane)	1100	0	660	ug/Kg	60		3		33	131	20
Acetophenone	1100	0	690	ug/Kg	63		0		33	115	20
3+4-Methylphenols	1100	0	710	ug/Kg	65		11		34	119	20
N-Nitroso-di-n-propylamine	1100	0	690	ug/Kg	63		7		36	120	20
Hexachloroethane	1100	0	640	ug/Kg	58		4		28	117	20
Nitrobenzene	1100	0	640	ug/Kg	58		0		34	122	20
Isophorone	1100	0	700	ug/Kg	64		0		30	122	20
2-Nitrophenol	1100	0	550	ug/Kg	50		4		36	123	20
2,4-Dimethylphenol	1100	0	810	ug/Kg	74		3		30	127	20
bis(2-Chloroethoxy)methane	1100	0	680	ug/Kg	62		2		36	121	20
2,4-Dichlorophenol	1100	0	640	ug/Kg	58		5		40	122	20
Naphthalene	1100	0	700	ug/Kg	64		2		35	123	20
4-Chloroaniline	1100	0	290	ug/Kg	26		12		17	106	20
Hexachlorobutadiene	1100	0	630	ug/Kg	57		3		32	123	20
Caprolactam	1100	0	670	ug/Kg	61		14		46	117	20
4-Chloro-3-methylphenol	1100	0	710	ug/Kg	65		15		45	122	20
2-Methylnaphthalene	1100	0	710	ug/Kg	65		5		38	122	20
Hexachlorocyclopentadiene	2200	0	970	ug/Kg	44		37	*	43	112	20
2,4,6-Trichlorophenol	1100	0	390	ug/Kg	35	*	0		39	126	20
2,4,5-Trichlorophenol	1100	0	510	ug/Kg	46		2		41	124	20
1,1-Biphenyl	1100	0	720	ug/Kg	65		3		40	117	20
2-Chloronaphthalene	1100	0	680	ug/Kg	62		0		41	114	20
2-Nitroaniline	1100	0	730	ug/Kg	66		5		44	127	20
Dimethylphthalate	1100	0	720	ug/Kg	65		2		48	124	20
Acenaphthylene	1100	110	850	ug/Kg	67		0		32	132	20
2,6-Dinitrotoluene	1100	0	680	ug/Kg	62		5		46	124	20
3-Nitroaniline	1100	0	560	ug/Kg	51		13		33	119	20
Acenaphthene	1100	0	680	ug/Kg	62		2		40	123	20
2,4-Dinitrophenol	2200	0	0	ug/Kg	0	*	0		15	130	20
4-Nitrophenol	2200	0	540	ug/Kg	25	*	17		30	132	20
Dibenzofuran	1100	0	700	ug/Kg	64		3		44	120	20
2,4-Dinitrotoluene	1100	0	700	ug/Kg	64		13		48	126	20
Diethylphthalate	1100	0	710	ug/Kg	65		3		50	124	20
4-Chlorophenyl-phenylether	1100	0	700	ug/Kg	64		6		45	121	20
Fluorene	1100	0	720	ug/Kg	65		5		43	125	20
4-Nitroaniline	1100	0	620	ug/Kg	56		15		35	115	20
4,6-Dinitro-2-methylphenol	1100	0	99.8	ug/Kg	9	*	29	*	29	132	20
N-Nitrosodiphenylamine	1100	0	840	ug/Kg	76		0		38	127	20
4-Bromophenyl-phenylether	1100	0	780	ug/Kg	71		3		46	124	20
Hexachlorobenzene	1100	0	740	ug/Kg	67		0		45	122	20
Atrazine	1100	0	990	ug/Kg	90		1		47	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2200	0	510	ug/Kg	23	*	4		25	133	20
Phenanthrene	1100	130	890	ug/Kg	69		1		50	121	20
Anthracene	1100	100	900	ug/Kg	73		3		47	123	20
Carbazole	1100	0	730	ug/Kg	66		0		50	123	20
Di-n-butylphthalate	1100	0	780	ug/Kg	71		1		51	128	20
Fluoranthene	1100	190	930	ug/Kg	67		10		50	127	20
Pyrene	1100	210	870	ug/Kg	60		20		47	127	20
Butylbenzylphthalate	1100	0	690	ug/Kg	63		14		48	132	20
3,3-Dichlorobenzidine	1100	0	460	ug/Kg	42		2		22	121	20
Benzo(a)anthracene	1100	160	870	ug/Kg	65		6		49	126	20
Chrysene	1100	130	900	ug/Kg	70		9		50	124	20
bis(2-Ethylhexyl)phthalate	1100	0	770	ug/Kg	70		7		51	133	20
Di-n-octyl phthalate	1100	0	830	ug/Kg	75		4		45	140	20
Benzo(b)fluoranthene	1100	230	1100	ug/Kg	79		14		45	132	20
Benzo(k)fluoranthene	1100	110	890	ug/Kg	71		3		47	132	20
Benzo(a)pyrene	1100	280	1200	ug/Kg	84		11		45	129	20
Indeno(1,2,3-cd)pyrene	1100	130	730	ug/Kg	55		14		45	133	20
Dibenz(a,h)anthracene	1100	0	610	ug/Kg	55		10		45	134	20
Benzo(g,h,i)perylene	1100	200	770	ug/Kg	52		14		43	134	20
1,2,4,5-Tetrachlorobenzene	1100	0	720	ug/Kg	65		3		37	119	20
1,4-Dioxane	1100	0	540	ug/Kg	49	*	2		70	130	20
2,3,4,6-Tetrachlorophenol	1100	0	290	ug/Kg	26	*	12		44	125	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E DataFile: BF141165.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166035BS	Benzaldehyde	1700	280	ug/Kg	16				10	161	
	Phenol	1700	1500	ug/Kg	88				34	121	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				31	120	
	2-Chlorophenol	1700	1600	ug/Kg	94				34	121	
	2-Methylphenol	1700	1500	ug/Kg	88				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				33	131	
	Acetophenone	1700	1500	ug/Kg	88				33	115	
	3+4-Methylphenols	1700	1500	ug/Kg	88				34	119	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				36	120	
	Hexachloroethane	1700	1500	ug/Kg	88				28	117	
	Nitrobenzene	1700	1400	ug/Kg	82				34	122	
	Isophorone	1700	1500	ug/Kg	88				30	122	
	2-Nitrophenol	1700	1600	ug/Kg	94				36	123	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				30	127	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				36	121	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				40	122	
	Naphthalene	1700	1500	ug/Kg	88				35	123	
	4-Chloroaniline	1700	740	ug/Kg	44				17	106	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				32	123	
	Caprolactam	1700	1500	ug/Kg	88				46	117	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				45	122	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Hexachlorocyclopentadiene	3300	5900	ug/Kg	179		*		43	112	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				32	132	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				46	124	
	3-Nitroaniline	1700	940	ug/Kg	55				33	119	
	Acenaphthene	1700	1700	ug/Kg	100				40	123	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				15	130	
	4-Nitrophenol	3300	3400	ug/Kg	103				30	132	
	Dibenzofuran	1700	1500	ug/Kg	88				44	120	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				48	126	
	Diethylphthalate	1700	1500	ug/Kg	88				50	124	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				45	121	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	4-Nitroaniline	1700	1600	ug/Kg	94				35	115	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				29	132	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				38	127	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				46	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E DataFile: BF141165.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166035BS	Hexachlorobenzene	1700	1600	ug/Kg	94				45	122		
	Atrazine	1700	2000	ug/Kg	118				47	127		
	Pentachlorophenol	3300	3200	ug/Kg	97				25	133		
	Phenanthrene	1700	1600	ug/Kg	94				50	121		
	Anthracene	1700	1700	ug/Kg	100				47	123		
	Carbazole	1700	1700	ug/Kg	100				50	123		
	Di-n-butylphthalate	1700	1600	ug/Kg	94				51	128		
	Fluoranthene	1700	1700	ug/Kg	100				50	127		
	Pyrene	1700	1500	ug/Kg	88				47	127		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				48	132		
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				22	121		
	Benzo(a)anthracene	1700	1600	ug/Kg	94				49	126		
	Chrysene	1700	1500	ug/Kg	88				50	124		
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				51	133		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				45	140		
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				45	132		
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				47	132		
	Benzo(a)pyrene	1700	1700	ug/Kg	100				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	1400	ug/Kg	82				43	134		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				37	119		
	1,4-Dioxane	1700	1300	ug/Kg	76				70	130		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				44	125		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E DataFile: BF141172.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166061BS	Benzaldehyde	1700	310	ug/Kg	18				10	161	
	Phenol	1700	1700	ug/Kg	100				34	121	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				31	120	
	2-Chlorophenol	1700	1700	ug/Kg	100				34	121	
	2-Methylphenol	1700	1700	ug/Kg	100				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				33	131	
	Acetophenone	1700	1700	ug/Kg	100				33	115	
	3+4-Methylphenols	1700	1700	ug/Kg	100				34	119	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				36	120	
	Hexachloroethane	1700	1600	ug/Kg	94				28	117	
	Nitrobenzene	1700	1600	ug/Kg	94				34	122	
	Isophorone	1700	1700	ug/Kg	100				30	122	
	2-Nitrophenol	1700	1800	ug/Kg	106				36	123	
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				30	127	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				36	121	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				40	122	
	Naphthalene	1700	1700	ug/Kg	100				35	123	
	4-Chloroaniline	1700	690	ug/Kg	41				17	106	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				32	123	
	Caprolactam	1700	1700	ug/Kg	100				46	117	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				45	122	
	2-Methylnaphthalene	1700	1700	ug/Kg	100				38	122	
	Hexachlorocyclopentadiene	3300	6300	ug/Kg	191		*		43	112	
	2,4,6-Trichlorophenol	1700	1800	ug/Kg	106				39	126	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100				41	124	
	1,1-Biphenyl	1700	1700	ug/Kg	100				40	117	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				41	114	
	2-Nitroaniline	1700	1700	ug/Kg	100				44	127	
	Dimethylphthalate	1700	1700	ug/Kg	100				48	124	
	Acenaphthylene	1700	1800	ug/Kg	106				32	132	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				46	124	
	3-Nitroaniline	1700	960	ug/Kg	56				33	119	
	Acenaphthene	1700	1900	ug/Kg	112				40	123	
	2,4-Dinitrophenol	3300	4100	ug/Kg	124				15	130	
	4-Nitrophenol	3300	3700	ug/Kg	112				30	132	
	Dibenzofuran	1700	1700	ug/Kg	100				44	120	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				48	126	
	Diethylphthalate	1700	1700	ug/Kg	100				50	124	
	4-Chlorophenyl-phenylether	1700	1700	ug/Kg	100				45	121	
	Fluorene	1700	1700	ug/Kg	100				43	125	
	4-Nitroaniline	1700	1700	ug/Kg	100				35	115	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118				29	132	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100				38	127	
	4-Bromophenyl-phenylether	1700	1700	ug/Kg	100				46	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

DataFile: BF141172.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB166061BS	Hexachlorobenzene	1700	1800	ug/Kg	106				45	122	
	Atrazine	1700	2200	ug/Kg	129		*		47	127	
	Pentachlorophenol	3300	3500	ug/Kg	106				25	133	
	Phenanthrene	1700	1800	ug/Kg	106				50	121	
	Anthracene	1700	1900	ug/Kg	112				47	123	
	Carbazole	1700	1800	ug/Kg	106				50	123	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				51	128	
	Fluoranthene	1700	1900	ug/Kg	112				50	127	
	Pyrene	1700	1700	ug/Kg	100				47	127	
	Butylbenzylphthalate	1700	1800	ug/Kg	106				48	132	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				22	121	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				49	126	
	Chrysene	1700	1700	ug/Kg	100				50	124	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				51	133	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				45	140	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				45	132	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				47	132	
	Benzo(a)pyrene	1700	1900	ug/Kg	112				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				45	133	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				45	134	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				37	119	
	1,4-Dioxane	1700	1400	ug/Kg	82				70	130	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				44	125	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166035BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1069

SAS No.: Q1069 SDG NO.: Q1069

Lab File ID: BF141169.D

Lab Sample ID: PB166035BL

Instrument ID: BNA_F

Date Extracted: 01/13/2025

Matrix: (soil/water) SOIL

Date Analyzed: 01/15/2025

Level: (low/med) LOW

Time Analyzed: 12:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166035BS	PB166035BS	BF141165.D	01/15/2025
TR-06-1-10-2025MS	Q1068-01MS	BF141175.D	01/15/2025
TR-06-1-10-2025MSD	Q1068-01MSD	BF141176.D	01/15/2025
RW7B-CARBON-20250109	Q1069-01	BF141173.D	01/15/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166061BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1069

SAS No.: Q1069 SDG NO.: Q1069

Lab File ID: BF141171.D

Lab Sample ID: PB166061BL

Instrument ID: BNA_F

Date Extracted: 01/15/2025

Matrix: (soil/water) SOIL

Date Analyzed: 01/15/2025

Level: (low/med) LOW

Time Analyzed: 13:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166061BS	PB166061BS	BF141172.D	01/15/2025
RW7B-CARBON-20250109RX	Q1069-01RX	BF141174.D	01/15/2025

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q1069 SDG NO.: Q1069

Lab File ID: BF141108.D

DFTPP Injection Date: 01/10/2025

Instrument ID: BNA_F

DFTPP Injection Time: 11:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.2
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49.8
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	6.6
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.1 (19.4) 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	BF141109.D	01/10/2025	11:58
SSTDICC005	SSTDICC005	BF141110.D	01/10/2025	12:25
SSTDICC010	SSTDICC010	BF141111.D	01/10/2025	13:17
SSTDICC020	SSTDICC020	BF141112.D	01/10/2025	14:10
SSTDICCC040	SSTDICCC040	BF141113.D	01/10/2025	14:36
SSTDICC050	SSTDICC050	BF141117.D	01/10/2025	16:53
SSTDICC060	SSTDICC060	BF141118.D	01/10/2025	17:19
SSTDICC080	SSTDICC080	BF141119.D	01/10/2025	17:45

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM

SAS No.: Q1069

SDG NO.: Q1069

Lab File ID: BF141162.D

DFTPP Injection Date: 01/15/2025

Instrument ID: BNA_F

DFTPP Injection Time: 09:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.0
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.8) 1
127	10.0 - 80.0% of mass 198	48.1
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	6.9
275	10.0 - 60.0% of mass 198	30.4
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.5 (18.5) 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
SSTDCCC040	SSTDCCC040	BF141163.D	01/15/2025	09:34
PB166035BS	PB166035BS	BF141165.D	01/15/2025	10:26
PB166035BL	PB166035BL	BF141169.D	01/15/2025	12:11
PB166061BL	PB166061BL	BF141171.D	01/15/2025	13:12
PB166061BS	PB166061BS	BF141172.D	01/15/2025	13:38
RW7B-CARBON-20250109	Q1069-01	BF141173.D	01/15/2025	14:13
RW7B-CARBON-20250109RX	Q1069-01RX	BF141174.D	01/15/2025	14:39
TR-06-1-10-2025MS	Q1068-01MS	BF141175.D	01/15/2025	15:05
TR-06-1-10-2025MSD	Q1068-01MSD	BF141176.D	01/15/2025	16:40
SSTDCCC040EC	SSTDCCC040	BF141177.D	01/15/2025	17:10

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/15/2025

Lab File ID: BF141163.D Time Analyzed: 09:34

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	160442	6.822	621128	8.10	331065	9.86
UPPER LIMIT	320884	7.322	1242260	8.604	662130	10.363
LOWER LIMIT	80221	6.322	310564	7.604	165533	9.363
EPA SAMPLE NO.						
01 PB166035BS	141578	6.82	559409	8.10	296383	9.86
02 PB166035BL	136764	6.82	539364	8.10	276861	9.86
03 PB166061BL	139696	6.82	549482	8.10	287376	9.86
04 PB166061BS	125655	6.82	494978	8.10	264175	9.86
05 TR-06-1-10-2025MS	151239	6.82	561441	8.10	265282	9.86
06 TR-06-1-10-2025MSD	143081	6.82	569188	8.10	294771	9.86
07 RW7B-CARBON-20250109	131077	6.82	520865	8.10	287776	9.86
08 RW7B-CARBON-20250109RX	130568	6.82	511298	8.10	277574	9.86

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: CHEMTECH

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/15/2025

Lab File ID: BF141163.D Time Analyzed: 09:34

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	558521	11.345	351337	13.986	315529	15.445
UPPER LIMIT	1117040	11.845	702674	14.486	631058	15.945
LOWER LIMIT	279261	10.845	175669	13.486	157765	14.945
EPA SAMPLE NO.						
01 PB166035BS	515619	11.35	346259	13.99	300143	15.45
02 PB166035BL	476305	11.34	381699	13.98	303475	15.44
03 PB166061BL	484833	11.35	391933	13.98	312524	15.45
04 PB166061BS	452645	11.35	303424	13.99	262459	15.45
05 TR-06-1-10-2025MS	349564	11.35	322664	13.99	314686	15.45
06 TR-06-1-10-2025MSD	427420	11.35	307236	13.99	256318	15.47
07 RW7B-CARBON-20250109	491216	11.34	326348	13.98	301825	15.44
08 RW7B-CARBON-20250109RX	450100	11.34	280945	13.98	283392	15.44

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:	PB166035BL		SDG No.:	Q1069
Lab Sample ID:	PB166035BL		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141169.D	1	01/13/25 08:54	01/15/25 12:11	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	180	270	330	ug/Kg
108-95-2	Phenol	130	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	83.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	130	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	130	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	130	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	75.4	130	170	ug/Kg
91-20-3	Naphthalene	130	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	83.2	130	170	ug/Kg
105-60-2	Caprolactam	270	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	81.6	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166035BL		SDG No.:	Q1069
Lab Sample ID:	PB166035BL		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141169.D	1	01/13/25 08:54	01/15/25 12:11	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	81.0	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	80.0	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	130	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	81.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	130	U	91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	81.6	130	170	ug/Kg
129-00-0	Pyrene	130	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	130	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	81.0	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166035BL		SDG No.:	Q1069	
Lab Sample ID:	PB166035BL		Matrix:	SOIL	
Analytical Method:	SW8270		% 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
BF141169.D	1	01/13/25 08:54	01/15/25 12:11	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	78.0	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	80.0	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	74.6	130	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	137		35 - 115		92%	SPK: 150
13127-88-3	Phenol-d6	136		34 - 127		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.4		37 - 122		96%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.6		44 - 115		98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		39 - 132		102%	SPK: 150
1718-51-0	Terphenyl-d14	82.6		54 - 127		83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	137000	6.816
1146-65-2	Naphthalene-d8	539000	8.098
15067-26-2	Acenaphthene-d10	277000	9.857
1517-22-2	Phenanthrene-d10	476000	11.339
1719-03-5	Chrysene-d12	382000	13.98
1520-96-3	Perylene-d12	303000	15.439

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	110	J		2.23	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A		5.05	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166035BL		SDG No.:	Q1069
Lab Sample ID:	PB166035BL		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141169.D	1	01/13/25 08:54	01/15/25 12:11	PB166035

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:	PB166061BL		SDG No.:	Q1069
Lab Sample ID:	PB166061BL		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141171.D	1	01/15/25 09:15	01/15/25 13:12	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	180	270	330	ug/Kg
108-95-2	Phenol	130	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	83.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	130	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	130	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	130	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	75.4	130	170	ug/Kg
91-20-3	Naphthalene	130	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	83.2	130	170	ug/Kg
105-60-2	Caprolactam	270	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	74.0	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	81.6	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166061BL		SDG No.:	Q1069
Lab Sample ID:	PB166061BL		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141171.D	1	01/15/25 09:15	01/15/25 13:12	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	81.0	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	80.0	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	130	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	81.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	130	U	91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	81.6	130	170	ug/Kg
129-00-0	Pyrene	130	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	130	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	81.0	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166061BL		SDG No.:	Q1069
Lab Sample ID:	PB166061BL		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141171.D	1	01/15/25 09:15	01/15/25 13:12	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	78.0	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	80.0	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	74.7	130	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	138		35 - 115		92%	SPK: 150
13127-88-3	Phenol-d6	135		34 - 127		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.3		37 - 122		96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.1		44 - 115		96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	148		39 - 132		99%	SPK: 150
1718-51-0	Terphenyl-d14	82.0		54 - 127		82%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	140000	6.822
1146-65-2	Naphthalene-d8	549000	8.098
15067-26-2	Acenaphthene-d10	287000	9.857
1517-22-2	Phenanthrene-d10	485000	11.345
1719-03-5	Chrysene-d12	392000	13.98
1520-96-3	Perylene-d12	313000	15.451

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	110	J		2.23	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A		5.05	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166061BL		SDG No.:	Q1069
Lab Sample ID:	PB166061BL		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141171.D	1	01/15/25 09:15	01/15/25 13:12	PB166061

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:	PB166035BS		SDG No.:	Q1069
Lab Sample ID:	PB166035BS		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141165.D	1	01/13/25 08:54	01/15/25 10:26	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	280	J	180	270	330	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	740		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.2	130	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74.0	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166035BS		SDG No.:	Q1069
Lab Sample ID:	PB166035BS		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141165.D	1	01/13/25 08:54	01/15/25 10:26	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	940		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81.0	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3600	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.0	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		84.9	130	170	ug/Kg
1912-24-9	Atrazine	2000		91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1700		84.3	130	170	ug/Kg
86-74-8	Carbazole	1700		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1700		81.6	130	170	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.0	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166035BS		SDG No.:	Q1069
Lab Sample ID:	PB166035BS		Matrix:	SOIL
Analytical Method:	SW8270		% 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
BF141165.D	1	01/13/25 08:54	01/15/25 10:26	PB166035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.0	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.0	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	128		35 - 115		85%	SPK: 150
13127-88-3	Phenol-d6	127		34 - 127		85%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.7		37 - 122		89%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		44 - 115		89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		39 - 132		98%	SPK: 150
1718-51-0	Terphenyl-d14	88.7		54 - 127		89%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	142000	6.822				
1146-65-2	Naphthalene-d8	559000	8.104				
15067-26-2	Acenaphthene-d10	296000	9.863				
1517-22-2	Phenanthrene-d10	516000	11.345				
1719-03-5	Chrysene-d12	346000	13.986				
1520-96-3	Perylene-d12	300000	15.445				

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:	PB166061BS		SDG No.:	Q1069
Lab Sample ID:	PB166061BS		Matrix:	SOIL
Analytical Method:	SW8270		% Solid:	100
Sample Wt/Vol:	30.01	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
BF141172.D	1	01/15/25 09:15	01/15/25 13:38	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	310	J	180	270	330	ug/Kg
108-95-2	Phenol	1700		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.5	130	170	ug/Kg
95-48-7	2-Methylphenol	1700		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1700		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		40.3	80.0	80.0	ug/Kg
67-72-1	Hexachloroethane	1600		83.0	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		90.8	130	170	ug/Kg
78-59-1	Isophorone	1700		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.5	130	170	ug/Kg
91-20-3	Naphthalene	1700		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	690		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	130	170	ug/Kg
105-60-2	Caprolactam	1700		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1700		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6300	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		74.0	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		95.0	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.7	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166061BS		SDG No.:	Q1069
Lab Sample ID:	PB166061BS		Matrix:	SOIL
Analytical Method:	SW8270		% Solid:	100
Sample Wt/Vol:	30.01	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
BF141172.D	1	01/15/25 09:15	01/15/25 13:38	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	960		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1900		81.1	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3700	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		85.6	130	170	ug/Kg
86-73-7	Fluorene	1700		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		85.0	130	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	3500	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1800		84.0	130	170	ug/Kg
120-12-7	Anthracene	1900		84.4	130	170	ug/Kg
86-74-8	Carbazole	1800		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1900		81.7	130	170	ug/Kg
129-00-0	Pyrene	1700		83.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		80.7	130	170	ug/Kg
218-01-9	Chrysene	1700		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91.0	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81.1	130	170	ug/Kg

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166061BS		SDG No.:	Q1069
Lab Sample ID:	PB166061BS		Matrix:	SOIL
Analytical Method:	SW8270		% Solid:	100
Sample Wt/Vol:	30.01	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
BF141172.D	1	01/15/25 09:15	01/15/25 13:38	PB166061

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		93.0	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1400		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.7	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	139		35 - 115		92%	SPK: 150
13127-88-3	Phenol-d6	138		34 - 127		92%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.6		37 - 122		96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.8		44 - 115		95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	156		39 - 132		104%	SPK: 150
1718-51-0	Terphenyl-d14	96.5		54 - 127		97%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.822				
1146-65-2	Naphthalene-d8	495000	8.104				
15067-26-2	Acenaphthene-d10	264000	9.863				
1517-22-2	Phenanthrene-d10	453000	11.345				
1719-03-5	Chrysene-d12	303000	13.986				
1520-96-3	Perylene-d12	262000	15.445				

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:	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

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)
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

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)
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

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

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)
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

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)
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



CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 10 22:54:19 2025
Response Via : Initial Calibration

Calibration Files

2.5 =BF1411109.D 5 =BF1411110.D 10 =BF1411111.D 20 =BF1411112.D 40 =BF1411113.D 50 =BF1411117.D 60 =BF1411118.D 80 =BF1411119.D

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

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.616	0.596	0.598	0.563	0.573	0.564	0.525	0.577	5.24	
3)	Pyridine	1.579	1.520	1.486	1.360	1.364	1.346	1.242	1.414	8.34	
4)	n-Nitrosodimet...	0.716	0.715	0.709	0.678	0.688	0.688	0.644	0.691	3.71	
5) S	2-Fluorophenol	1.453	1.400	1.378	1.248	1.236	1.227	1.121	1.295	9.11	
6)	Aniline	1.656	1.583	1.561	1.424	1.385	1.360	1.222	1.456	10.39	
7) S	Phenol-d6	1.834	1.773	1.736	1.566	1.569	1.547	1.454	1.640	8.56	
8)	2-Chlorophenol	1.561	1.476	1.458	1.345	1.338	1.321	1.225	1.389	8.20	
9)	Benzaldehyde	1.215	1.139	1.040	0.849	0.782	0.771		0.966	19.81	
10) C	Phenol	1.943	1.902	1.861	1.701	1.665	1.668	1.548	1.756	8.38	
11)	bis(2-Chloroet...	1.445	1.372	1.363	1.256	1.279	1.264	1.178	1.308	6.86	
12)	1,3-Dichlorobe...	1.714	1.662	1.648	1.476	1.506	1.466	1.372	1.549	8.14	
13) C	1,4-Dichlorobe...	1.766	1.653	1.668	1.495	1.495	1.480	1.370	1.561	8.81	
14)	1,2-Dichlorobe...	1.670	1.579	1.572	1.382	1.388	1.363	1.239	1.456	10.50	
15)	Benzyl Alcohol	1.291	1.240	1.244	1.158	1.164	1.144	1.048	1.184	6.85	
16)	2,2'-oxybis(1-...	2.046	1.913	1.939	1.766	1.746	1.730	1.640	1.826	7.82	
17)	2-Methylphenol	1.209	1.175	1.182	1.088	1.091	1.077	1.027	1.121	6.00	
18)	Hexachloroethane	0.610	0.591	0.595	0.548	0.551	0.550	0.507	0.565	6.35	
19) P	n-Nitroso-di-n...	1.062	1.068	1.011	1.009	0.906	0.915	0.902	0.854	0.966	8.40
20)	3+4-Methylphenols	1.631	1.529	1.527	1.375	1.342	1.319	1.180	1.415	10.93	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.539	0.516	0.507	0.445	0.455	0.449	0.417	0.475	9.43	
23) S	Nitrobenzene-d5	0.400	0.390	0.394	0.365	0.370	0.372	0.349	0.377	4.82	
24)	Nitrobenzene	0.419	0.410	0.411	0.377	0.384	0.388	0.364	0.393	5.20	
25)	Isophorone	0.692	0.668	0.674	0.617	0.629	0.628	0.605	0.645	5.09	
26) C	2-Nitrophenol	0.161	0.173	0.190	0.178	0.184	0.187	0.179	0.179	5.30	
27)	2,4-Dimethylph...	0.252	0.244	0.250	0.236	0.239	0.238	0.229	0.241	3.27	
28)	bis(2-Chloroet...	0.435	0.419	0.430	0.387	0.393	0.393	0.377	0.405	5.61	
29) C	2,4-Dichloroph...	0.296	0.296	0.300	0.277	0.286	0.284	0.266	0.287	4.31	
30)	1,2,4-Trichlor...	0.356	0.344	0.348	0.314	0.317	0.316	0.299	0.328	6.49	
31)	Naphthalene	1.178	1.126	1.131	0.998	1.023	0.997	0.929	1.055	8.60	
32)	Benzoic acid	0.182	0.211	0.231	0.238	0.251	0.258	0.250	0.231	11.68	
33)	4-Chloroaniline	0.397	0.390	0.386	0.345	0.349	0.355	0.331	0.365	7.09	
34) C	Hexachlorobuta...	0.213	0.207	0.208	0.188	0.194	0.191	0.180	0.197	6.17	
35)	Caprolactam	0.096	0.092	0.099	0.091	0.094	0.094	0.091	0.094	3.00	
36) C	4-Chloro-3-met...	0.331	0.322	0.327	0.302	0.313	0.307	0.293	0.313	4.39	
37)	2-Methylnaphth...	0.751	0.719	0.710	0.638	0.654	0.637	0.595	0.672	8.30	
38)	1-Methylnaphth...	0.747	0.712	0.710	0.625	0.635	0.627	0.581	0.662	9.11	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF011025.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.632	0.601	0.604	0.554	0.552	0.554	0.520	0.574	6.83	
41) P	Hexachlorocycl...	0.170	0.181	0.201	0.200	0.189	0.191	0.182	0.188	5.74	
42) S	2,4,6-Tribromo...	0.233	0.233	0.235	0.219	0.230	0.226	0.220	0.228	2.96	
43) C	2,4,6-Trichlor...	0.399	0.384	0.412	0.380	0.382	0.377	0.377	0.387	3.37	
44)	2,4,5-Trichlor...	0.429	0.419	0.418	0.401	0.411	0.407	0.377	0.409	4.07	
45) S	2-Fluorobiphenyl	1.582	1.459	1.408	1.225	1.224	1.176	1.094	1.310	13.42	
46)	1,1'-Biphenyl	1.761	1.671	1.654	1.490	1.491	1.452	1.354	1.553	9.28	
47)	2-Chloronaphth...	1.345	1.288	1.273	1.164	1.174	1.145	1.079	1.210	7.78	
48)	2-Nitroaniline	0.360	0.358	0.365	0.351	0.365	0.365	0.347	0.359	2.04	
49)	Acenaphthylene	1.915	1.820	1.830	1.660	1.678	1.654	1.540	1.728	7.54	
50)	Dimethylphthalate	1.447	1.406	1.404	1.299	1.318	1.292	1.232	1.343	5.76	
51)	2,6-Dinitrotol...	0.308	0.317	0.328	0.312	0.315	0.312	0.294	0.312	3.27	
52) C	Acenaphthene	1.317	1.267	1.274	1.165	1.185	1.160	1.086	1.208	6.69	
53)	3-Nitroaniline	0.321	0.324	0.333	0.316	0.320	0.312	0.295	0.317	3.73	
54) P	2,4-Dinitrophenol		0.097	0.133	0.155	0.168	0.167	0.171	0.148	19.39	
55)	Dibenzofuran	1.866	1.736	1.738	1.586	1.585	1.546	1.440	1.642	8.77	
56) P	4-Nitrophenol	0.224	0.241	0.255	0.250	0.264	0.258	0.248	0.248	5.29	
57)	2,4-Dinitrotol...	0.372	0.401	0.423	0.395	0.424	0.411	0.390	0.402	4.69	
58)	Fluorene	1.488	1.403	1.359	1.197	1.213	1.182	1.091	1.276	11.13	
59)	2,3,4,6-Tetrac...	0.353	0.358	0.354	0.332	0.333	0.337	0.313	0.340	4.72	
60)	Diethylphthalate	1.416	1.397	1.378	1.253	1.289	1.257	1.186	1.311	6.64	
61)	4-Chlorophenyl...	0.709	0.672	0.663	0.594	0.593	0.584	0.540	0.622	9.65	
62)	4-Nitroaniline	0.314	0.312	0.315	0.300	0.323	0.315	0.295	0.311	3.12	
63)	Azobenzene	1.430	1.363	1.353	1.245	1.264	1.233	1.166	1.293	7.05	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.077	0.095	0.120	0.129	0.130	0.132	0.128	0.116	18.43	
66) c	n-Nitrosodiphe...	0.706	0.677	0.683	0.651	0.603	0.622	0.574	0.645	7.39	
67)	4-Bromophenyl-...	0.241	0.237	0.238	0.232	0.220	0.229	0.215	0.230	4.20	
68)	Hexachlorobenzene	0.273	0.263	0.266	0.257	0.244	0.252	0.239	0.256	4.81	
69)	Atrazine	0.213	0.201	0.170	0.141	0.184	0.169	0.138	0.174	16.26	
70) C	Pentachlorophenol	0.142	0.162	0.171	0.173	0.169	0.171	0.160	0.164	6.59	
71)	Phenanthrene	1.218	1.152	1.122	1.064	1.014	1.012	0.935	1.074	8.98	
72)	Anthracene	1.162	1.111	1.095	1.042	0.994	0.997	0.908	1.044	8.22	
73)	Carbazole	1.052	1.025	1.011	0.944	0.935	0.901	0.833	0.957	8.09	
74)	Di-n-butylphth...	1.186	1.177	1.139	1.087	1.079	1.043	0.958	1.096	7.33	
75) C	Fluoranthene	1.211	1.188	1.104	1.037	1.051	0.987	0.923	1.071	9.70	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.380	0.309	0.310	0.409	0.340	0.418	0.430	0.371	13.83	
78)	Pyrene	1.952	1.977	2.081	1.848	1.839	1.955	1.720	1.910	6.14	
79) S	Terphenyl-d14	1.444	1.424	1.483	1.272	1.280	1.352	1.164	1.346	8.44	
80)	Butylbenzylpht...	0.583	0.629	0.663	0.614	0.677	0.669	0.623	0.637	5.39	
81)	Benzo(a)anthra...	1.473	1.420	1.427	1.245	1.329	1.367	1.266	1.361	6.28	
82)	3,3'-Dichlorob...	0.434	0.422	0.444	0.418	0.426	0.441	0.448	0.433	2.72	
83)	Chrysene	1.382	1.316	1.336	1.207	1.237	1.238	1.200	1.274	5.54	
84)	Bis(2-ethylhex...	0.734	0.768	0.807	0.726	0.819	0.783	0.712	0.764	5.41	
85) c	Di-n-octyl pht...	0.950	1.039	1.169	1.151	1.235	1.244	1.291	1.154	10.51	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011025.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.472	1.420	1.558	1.472	1.421	1.539	1.374	1.465	4.55
88)	Benzo(b)fluora...	1.461	1.415	1.290	1.201	1.315	1.191	1.156	1.290	9.03
89)	Benzo(k)fluora...	1.128	1.102	1.141	1.043	1.038	1.103	1.074	1.090	3.67
90) C	Benzo(a)pyrene	1.103	1.090	1.095	1.039	1.048	1.067	1.007	1.064	3.29
91)	Dibenzo(a,h)an...	1.174	1.178	1.262	1.197	1.150	1.247	1.088	1.185	4.95
92)	Benzo(g,h,i)pe...	1.256	1.221	1.347	1.263	1.195	1.296	1.051	1.233	7.65

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 09:34

Lab File ID: BF141163.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.263		-2.5	
Benzaldehyde	0.966	0.866		-10.4	
Phenol-d6	1.640	1.570		-4.3	
Phenol	1.756	1.667		-5.1	20.0
bis(2-Chloroethyl)ether	1.308	1.229		-6.0	
2-Chlorophenol	1.389	1.347		-3.0	
2-Methylphenol	1.121	1.090		-2.8	
2,2-oxybis(1-Chloropropane)	1.826	1.648		-9.7	
Acetophenone	0.475	0.457		-3.8	
3+4-Methylphenols	1.415	1.349		-4.7	
n-Nitroso-di-n-propylamine	0.966	0.881	0.050	-8.8	
Nitrobenzene-d5	0.377	0.370		-1.9	
Hexachloroethane	0.565	0.551		-2.5	
Nitrobenzene	0.393	0.385		-2.0	
Isophorone	0.645	0.612		-5.1	
2-Nitrophenol	0.179	0.184		2.8	20.0
2,4-Dimethylphenol	0.241	0.232		-3.7	
bis(2-Chloroethoxy)methane	0.405	0.380		-6.2	
2,4-Dichlorophenol	0.287	0.284		-1.0	20.0
Naphthalene	1.055	1.026		-2.7	
4-Chloroaniline	0.365	0.344		-5.8	
Hexachlorobutadiene	0.197	0.196		-0.5	20.0
Caprolactam	0.094	0.092		-2.1	
4-Chloro-3-methylphenol	0.313	0.306		-2.2	20.0
2-Methylnaphthalene	0.672	0.639		-4.9	
Hexachlorocyclopentadiene	0.188	0.199	0.050	5.9	
2,4,6-Trichlorophenol	0.387	0.370		-4.4	20.0
2-Fluorobiphenyl	1.310	1.231		-6.0	
2,4,5-Trichlorophenol	0.409	0.404		-1.2	
1,1-Biphenyl	1.553	1.467		-5.5	
2-Chloronaphthalene	1.210	1.166		-3.6	
2-Nitroaniline	0.359	0.353		-1.7	
Dimethylphthalate	1.343	1.288		-4.1	
Acenaphthylene	1.728	1.651		-4.5	
2,6-Dinitrotoluene	0.312	0.308		-1.3	
3-Nitroaniline	0.317	0.324		2.2	
Acenaphthene	1.208	1.176		-2.6	20.0
2,4-Dinitrophenol	0.148	0.159	0.050	7.4	
4-Nitrophenol	0.248	0.265	0.050	6.9	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 09:34

Lab File ID: BF141163.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.566		-4.6	
2,4-Dinitrotoluene	0.402	0.413		2.7	
Diethylphthalate	1.311	1.242		-5.3	
4-Chlorophenyl-phenylether	0.622	0.595		-4.3	
Fluorene	1.276	1.223		-4.2	
4-Nitroaniline	0.311	0.328		5.5	
4,6-Dinitro-2-methylphenol	0.116	0.131		12.9	
n-Nitrosodiphenylamine	0.645	0.629		-2.5	20.0
2,4,6-Tribromophenol	0.228	0.234		2.6	
4-Bromophenyl-phenylether	0.230	0.229		-0.4	
Hexachlorobenzene	0.256	0.257		0.4	
Atrazine	0.174	0.143		-17.8	
Pentachlorophenol	0.164	0.178		8.5	20.0
Phenanthrene	1.074	1.070		-0.4	
Anthracene	1.044	1.044		0.0	
Carbazole	0.957	0.989		3.3	
Di-n-butylphthalate	1.096	1.092		-0.4	
Fluoranthene	1.071	1.131		5.6	20.0
Pyrene	1.910	1.798		-5.9	
Terphenyl-d14	1.346	1.266		-5.9	
Butylbenzylphthalate	0.637	0.622		-2.4	
3,3-Dichlorobenzidine	0.433	0.415		-4.2	
Benzo (a) anthracene	1.361	1.300		-4.5	
Chrysene	1.274	1.151		-9.7	
Bis(2-ethylhexyl)phthalate	0.764	0.720		-5.8	
Di-n-octyl phthalate	1.154	0.997		-13.6	20.0
Benzo (b) fluoranthene	1.290	1.198		-7.1	
Benzo (k) fluoranthene	1.090	1.161		6.5	
Benzo (a) pyrene	1.064	1.042		-2.1	20.0
Indeno (1,2,3-cd) pyrene	1.465	1.419		-3.1	
Dibenzo (a,h) anthracene	1.185	1.151		-2.9	
Benzo (g,h,i) perylene	1.233	1.220		-1.1	
1,2,4,5-Tetrachlorobenzene	0.574	0.557		-3.0	
1,4-Dioxane	0.577	0.535		-7.3	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.329		-3.2	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 17:10

Lab File ID: BF141177.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.226		-5.3	50.0
Benzaldehyde	0.966	0.898		-7.0	50.0
Phenol-d6	1.640	1.520		-7.3	50.0
Phenol	1.756	1.619		-7.8	50.0
bis(2-Chloroethyl)ether	1.308	1.235		-5.6	50.0
2-Chlorophenol	1.389	1.328		-4.4	50.0
2-Methylphenol	1.121	1.056		-5.8	50.0
2,2-oxybis(1-Chloropropane)	1.826	1.658		-9.2	50.0
Acetophenone	0.475	0.447		-5.9	50.0
3+4-Methylphenols	1.415	1.324		-6.4	50.0
n-Nitroso-di-n-propylamine	0.966	0.896	0.050	-7.2	50.0
Nitrobenzene-d5	0.377	0.364		-3.4	50.0
Hexachloroethane	0.565	0.550		-2.7	50.0
Nitrobenzene	0.393	0.375		-4.6	50.0
Isophorone	0.645	0.606		-6.0	50.0
2-Nitrophenol	0.179	0.182		1.7	50.0
2,4-Dimethylphenol	0.241	0.227		-5.8	50.0
bis(2-Chloroethoxy)methane	0.405	0.383		-5.4	50.0
2,4-Dichlorophenol	0.287	0.279		-2.8	50.0
Naphthalene	1.055	1.004		-4.8	50.0
4-Chloroaniline	0.365	0.313		-14.2	50.0
Hexachlorobutadiene	0.197	0.199		1.0	50.0
Caprolactam	0.094	0.085		-9.6	50.0
4-Chloro-3-methylphenol	0.313	0.296		-5.4	50.0
2-Methylnaphthalene	0.672	0.642		-4.5	50.0
Hexachlorocyclopentadiene	0.188	0.208	0.050	10.6	50.0
2,4,6-Trichlorophenol	0.387	0.392		1.3	50.0
2-Fluorobiphenyl	1.310	1.277		-2.5	50.0
2,4,5-Trichlorophenol	0.409	0.389		-4.9	50.0
1,1-Biphenyl	1.553	1.513		-2.6	50.0
2-Chloronaphthalene	1.210	1.171		-3.2	50.0
2-Nitroaniline	0.359	0.342		-4.7	50.0
Dimethylphthalate	1.343	1.285		-4.3	50.0
Acenaphthylene	1.728	1.643		-4.9	50.0
2,6-Dinitrotoluene	0.312	0.301		-3.5	50.0
3-Nitroaniline	0.317	0.301		-5.0	50.0
Acenaphthene	1.208	1.172		-3.0	50.0
2,4-Dinitrophenol	0.148	0.154	0.050	4.1	50.0
4-Nitrophenol	0.248	0.232	0.050	-6.5	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 17:10

Lab File ID: BF141177.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.553		-5.4	50.0
2,4-Dinitrotoluene	0.402	0.390		-3.0	50.0
Diethylphthalate	1.311	1.242		-5.3	50.0
4-Chlorophenyl-phenylether	0.622	0.601		-3.4	50.0
Fluorene	1.276	1.200		-6.0	50.0
4-Nitroaniline	0.311	0.284		-8.7	50.0
4,6-Dinitro-2-methylphenol	0.116	0.131		12.9	50.0
n-Nitrosodiphenylamine	0.645	0.660		2.3	50.0
2,4,6-Tribromophenol	0.228	0.223		-2.2	50.0
4-Bromophenyl-phenylether	0.230	0.242		5.2	50.0
Hexachlorobenzene	0.256	0.266		3.9	50.0
Atrazine	0.174	0.141		-19.0	50.0
Pentachlorophenol	0.164	0.171		4.3	50.0
Phenanthrene	1.074	1.061		-1.2	50.0
Anthracene	1.044	1.038		-0.6	50.0
Carbazole	0.957	0.930		-2.8	50.0
Di-n-butylphthalate	1.096	1.104		0.7	50.0
Fluoranthene	1.071	1.005		-6.2	50.0
Pyrene	1.910	1.715		-10.2	50.0
Terphenyl-d14	1.346	1.235		-8.2	50.0
Butylbenzylphthalate	0.637	0.602		-5.5	50.0
3,3-Dichlorobenzidine	0.433	0.437		0.9	50.0
Benzo (a) anthracene	1.361	1.281		-5.9	50.0
Chrysene	1.274	1.141		-10.4	50.0
Bis(2-ethylhexyl)phthalate	0.764	0.750		-1.8	50.0
Di-n-octyl phthalate	1.154	1.233		6.8	50.0
Benzo (b) fluoranthene	1.290	1.133		-12.2	50.0
Benzo (k) fluoranthene	1.090	1.067		-2.1	50.0
Benzo (a) pyrene	1.064	1.016		-4.5	50.0
Indeno (1,2,3-cd) pyrene	1.465	1.497		2.2	50.0
Dibenzo (a,h) anthracene	1.185	1.222		3.1	50.0
Benzo (g,h,i) perylene	1.233	1.275		3.4	50.0
1,2,4,5-Tetrachlorobenzene	0.574	0.580		1.0	50.0
1,4-Dioxane	0.577	0.509		-11.8	50.0
2,3,4,6-Tetrachlorophenol	0.340	0.315		-7.4	50.0

All other compounds must meet a minimum RRF of 0.010.