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

LAB CHRONICLE

OrderID:	Q1985	**OrderDate:**	5/8/2025 10:49:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1985-01	**RW8-BW-20250507**	**Water**			**05/07/25**			**05/08/25**
			SVOC-SIMGroup1	8270-Modified		05/13/25	05/14/25	
			SVOC-TCL BNA -20	8270E		05/12/25	05/15/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW8-BW-20250507**									
Q1985-01	RW8-BW-20250507	WATER	Di-n-butylphthalate		5.300		1.2	4	5	ug/L
Q1985-01	RW8-BW-20250507	WATER	Bis(2-ethylhexyl)phthalate		4.600	J	1.6	4	5	ug/L
Q1985-01	RW8-BW-20250507	WATER	Di-n-octyl phthalate		8.100	J	2.3	8	10	ug/L
			Total Svoc :			**18.00**				
Q1985-01	RW8-BW-20250507	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	4.300	AB	0		0	ug/L
Q1985-01	RW8-BW-20250507	WATER	Benzophenone	*	2.900	J	0		0	ug/L
			Total Tics :			**7.20**				
			Total Concentration:			**25.20**				

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.30		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.60	J	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.10	J	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	65.0		19 - 119		43%	SPK: 150
13127-88-3	Phenol-d6	41.6		10 - 130		28%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.7		44 - 120		94%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		44 - 119		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		43 - 140		101%	SPK: 150
1718-51-0	Terphenyl-d14	86.9		50 - 134		87%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168000	6.904				
1146-65-2	Naphthalene-d8	639000	8.186				
15067-26-2	Acenaphthene-d10	344000	9.939				
1517-22-2	Phenanthrene-d10	570000	11.422				
1719-03-5	Chrysene-d12	315000	14.063				
1520-96-3	Perylene-d12	358000	15.557				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.30	AB			5.12	ug/L
000119-61-9	Benzophenone	2.90	J			10.7	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167951BL	PB167951BL	2-Fluorophenol	150	126	84		19	119
		Phenol-d6	150	123	82		10	130
		Nitrobenzene-d5	100	86.0	86		44	120
		2-Fluorobiphenyl	100	74.5	75		44	119
		2,4,6-Tribromophenol	150	155	103		43	140
		Terphenyl-d14	100	72.8	73		50	134
PB167951BS	PB167951BS	2-Fluorophenol	150	119	80		19	119
		Phenol-d6	150	117	78		10	130
		Nitrobenzene-d5	100	81.6	82		44	120
		2-Fluorobiphenyl	100	71.6	72		44	119
		2,4,6-Tribromophenol	150	142	95		43	140
		Terphenyl-d14	100	79.3	79		50	134
Q1985-01	RW8-BW-20250507	2-Fluorophenol	150	65.0	43		19	119
		Phenol-d6	150	41.6	28		10	130
		Nitrobenzene-d5	100	93.7	94		44	120
		2-Fluorobiphenyl	100	78.8	79		44	119
		2,4,6-Tribromophenol	150	151	101		43	140
		Terphenyl-d14	100	86.9	87		50	134
Q1993-02MS	MW-3-20250508MS	2-Fluorophenol	150	63.8	43		19	119
		Phenol-d6	150	41.3	28		10	130
		Nitrobenzene-d5	100	85.9	86		44	120
		2-Fluorobiphenyl	100	76.0	76		44	119
		2,4,6-Tribromophenol	150	138	92		43	140
		Terphenyl-d14	100	68.2	68		50	134
Q1993-03MSD	MW-3-20250508MSD	2-Fluorophenol	150	67.2	45		19	119
		Phenol-d6	150	43.9	29		10	130
		Nitrobenzene-d5	100	90.4	90		44	120
		2-Fluorobiphenyl	100	78.7	79		44	119
		2,4,6-Tribromophenol	150	144	96		43	140
		Terphenyl-d14	100	73.5	74		50	134

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1993-02MS		**Client Sample ID: MW-3-20250508MS**						**DataFile: BF142388.D**			
Benzaldehyde	50	0	33.4	ug/L	67				10	161	
Phenol	50	0	17.3	ug/L	35				10	132	
bis(2-Chloroethyl)ether	50	0	34.1	ug/L	68				43	118	
2-Chlorophenol	50	0	37.9	ug/L	76				38	117	
2-Methylphenol	50	0	31.6	ug/L	63				30	117	
2,2-oxybis(1-Chloropropane)	50	0	38.8	ug/L	78				37	130	
Acetophenone	50	0	42.8	ug/L	86				46	118	
3+4-Methylphenols	50	0	28.4	ug/L	57				29	110	
N-Nitroso-di-n-propylamine	50	0	42.7	ug/L	85				49	119	
Hexachloroethane	50	0	33.9	ug/L	68				21	115	
Nitrobenzene	50	0	46.1	ug/L	92				45	121	
Isophorone	50	0	43.9	ug/L	88				42	124	
2-Nitrophenol	50	0	51.3	ug/L	103				47	123	
2,4-Dimethylphenol	50	0	40.9	ug/L	82				31	124	
bis(2-Chloroethoxy)methane	50	0	42.7	ug/L	85				48	120	
2,4-Dichlorophenol	50	0	44.9	ug/L	90				47	121	
Naphthalene	50	0	40.6	ug/L	81				40	121	
4-Chloroaniline	50	0	18.8	ug/L	38				33	117	
Hexachlorobutadiene	50	0	38.9	ug/L	78				22	124	
Caprolactam	50	0	8.70	ug/L	17				10	161	
4-Chloro-3-methylphenol	50	0	40.9	ug/L	82				52	119	
2-Methylnaphthalene	50	0	42.6	ug/L	85				40	121	
Hexachlorocyclopentadiene	100	0	84.3	ug/L	84				10	155	
2,4,6-Trichlorophenol	50	0	51.2	ug/L	102				50	125	
2,4,5-Trichlorophenol	50	0	46.6	ug/L	93				53	123	
1,1-Biphenyl	50	0	43.7	ug/L	87				49	115	
2-Chloronaphthalene	50	0	43.5	ug/L	87				40	116	
2-Nitroaniline	50	0	50.5	ug/L	101				55	127	
Dimethylphthalate	50	0	46.3	ug/L	93				45	127	
Acenaphthylene	50	0	43.4	ug/L	87				41	130	
2,6-Dinitrotoluene	50	0	54.9	ug/L	110				57	124	
3-Nitroaniline	50	0	25.9	ug/L	52				41	128	
Acenaphthene	50	0	48.1	ug/L	96				47	122	
2,4-Dinitrophenol	100	0	110	ug/L	110				23	143	
4-Nitrophenol	100	0	36.2	ug/L	36				10	161	
Dibenzofuran	50	0	43.1	ug/L	86				53	118	
2,4-Dinitrotoluene	50	0	55.9	ug/L	112				57	128	
Diethylphthalate	50	0	69.8	ug/L	140	*			56	125	
4-Chlorophenyl-phenylether	50	0	44.5	ug/L	89				53	121	
Fluorene	50	0	42.5	ug/L	85				52	124	
4-Nitroaniline	50	0	48.8	ug/L	98				35	120	
4,6-Dinitro-2-methylphenol	50	0	58.2	ug/L	116				44	137	
N-Nitrosodiphenylamine	50	0	48.0	ug/L	96				51	123	
4-Bromophenyl-phenylether	50	0	49.9	ug/L	100				55	124	
Hexachlorobenzene	50	0	49.7	ug/L	99				53	125	
Atrazine	50	0	45.2	ug/L	90				44	142	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110				35	138	
Phenanthrene	50	0	44.7	ug/L	89				59	120	
Anthracene	50	0	43.9	ug/L	88				57	123	
Carbazole	50	0	40.4	ug/L	81				60	122	
Di-n-butylphthalate	50	0	50.4	ug/L	101				59	127	
Fluoranthene	50	0	39.8	ug/L	80				57	128	
Pyrene	50	0	39.4	ug/L	79				57	126	
Butylbenzylphthalate	50	0	54.6	ug/L	109				53	134	
3,3-Dichlorobenzidine	50	0	41.2	ug/L	82				27	129	
Benzo(a)anthracene	50	0	46.2	ug/L	92				58	125	
Chrysene	50	0	45.6	ug/L	91				59	123	
bis(2-Ethylhexyl)phthalate	50	0	56.7	ug/L	113				55	135	
Di-n-octyl phthalate	50	0	55.5	ug/L	111				51	140	
Benzo(b)fluoranthene	50	0	46.4	ug/L	93				53	131	
Benzo(k)fluoranthene	50	0	46.4	ug/L	93				57	129	
Benzo(a)pyrene	50	0	48.8	ug/L	98				54	128	
Indeno(1,2,3-cd)pyrene	50	0	40.3	ug/L	81				52	134	
Dibenz(a,h)anthracene	50	0	39.9	ug/L	80				51	134	
Benzo(g,h,i)perylene	50	0	37.7	ug/L	75				50	134	
1,2,4,5-Tetrachlorobenzene	50	0	43.5	ug/L	87				35	121	
1,4-Dioxane	50	0	17.3	ug/L	35	*			70	130	
2,3,4,6-Tetrachlorophenol	50	0	48.6	ug/L	97				50	128	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1993-03MSD		**Client Sample ID: MW-3-20250508MSD**						**DataFile: BF142389.D**			
Benzaldehyde	50	0	35.6	ug/L	71		6		10	161	20
Phenol	50	0	18.2	ug/L	36		3		10	132	20
bis(2-Chloroethyl)ether	50	0	35.8	ug/L	72		6		43	118	20
2-Chlorophenol	50	0	39.7	ug/L	79		4		38	117	20
2-Methylphenol	50	0	34.1	ug/L	68		8		30	117	20
2,2-oxybis(1-Chloropropane)	50	0	40.9	ug/L	82		5		37	130	20
Acetophenone	50	0	45.0	ug/L	90		5		46	118	20
3+4-Methylphenols	50	0	30.0	ug/L	60		5		29	110	20
N-Nitroso-di-n-propylamine	50	0	45.8	ug/L	92		8		49	119	20
Hexachloroethane	50	0	36.3	ug/L	73		7		21	115	20
Nitrobenzene	50	0	48.4	ug/L	97		5		45	121	20
Isophorone	50	0	46.8	ug/L	94		7		42	124	20
2-Nitrophenol	50	0	55.7	ug/L	111		7		47	123	20
2,4-Dimethylphenol	50	0	43.3	ug/L	87		6		31	124	20
bis(2-Chloroethoxy)methane	50	0	45.9	ug/L	92		8		48	120	20
2,4-Dichlorophenol	50	0	47.9	ug/L	96		6		47	121	20
Naphthalene	50	0	43.3	ug/L	87		7		40	121	20
4-Chloroaniline	50	0	19.4	ug/L	39		3		33	117	20
Hexachlorobutadiene	50	0	41.6	ug/L	83		6		22	124	20
Caprolactam	50	0	9.60	ug/L	19		11		10	161	20
4-Chloro-3-methylphenol	50	0	43.6	ug/L	87		6		52	119	20
2-Methylnaphthalene	50	0	45.0	ug/L	90		6		40	121	20
Hexachlorocyclopentadiene	100	0	85.8	ug/L	86		2		10	155	20
2,4,6-Trichlorophenol	50	0	53.2	ug/L	106		4		50	125	20
2,4,5-Trichlorophenol	50	0	48.5	ug/L	97		4		53	123	20
1,1-Biphenyl	50	0	45.0	ug/L	90		3		49	115	20
2-Chloronaphthalene	50	0	45.0	ug/L	90		3		40	116	20
2-Nitroaniline	50	0	54.1	ug/L	108		7		55	127	20
Dimethylphthalate	50	0	48.3	ug/L	97		4		45	127	20
Acenaphthylene	50	0	45.0	ug/L	90		3		41	130	20
2,6-Dinitrotoluene	50	0	56.8	ug/L	114		4		57	124	20
3-Nitroaniline	50	0	25.9	ug/L	52		0		41	128	20
Acenaphthene	50	0	50.9	ug/L	102		6		47	122	20
2,4-Dinitrophenol	100	0	110	ug/L	110		0		23	143	20
4-Nitrophenol	100	0	37.9	ug/L	38		5		10	161	20
Dibenzofuran	50	0	44.7	ug/L	89		3		53	118	20
2,4-Dinitrotoluene	50	0	58.4	ug/L	117		4		57	128	20
Diethylphthalate	50	0	72.5	ug/L	145	*	4		56	125	20
4-Chlorophenyl-phenylether	50	0	46.2	ug/L	92		3		53	121	20
Fluorene	50	0	44.2	ug/L	88		3		52	124	20
4-Nitroaniline	50	0	51.9	ug/L	104		6		35	120	20
4,6-Dinitro-2-methylphenol	50	0	62.4	ug/L	125		7		44	137	20
N-Nitrosodiphenylamine	50	0	50.3	ug/L	101		5		51	123	20
4-Bromophenyl-phenylether	50	0	52.6	ug/L	105		5		55	124	20
Hexachlorobenzene	50	0	52.2	ug/L	104		5		53	125	20
Atrazine	50	0	49.0	ug/L	98		9		44	142	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110		0		35	138	20
Phenanthrene	50	0	46.9	ug/L	94		5		59	120	20
Anthracene	50	0	46.4	ug/L	93		6		57	123	20
Carbazole	50	0	42.9	ug/L	86		6		60	122	20
Di-n-butylphthalate	50	0	54.2	ug/L	108		7		59	127	20
Fluoranthene	50	0	42.6	ug/L	85		6		57	128	20
Pyrene	50	0	42.7	ug/L	85		7		57	126	20
Butylbenzylphthalate	50	0	58.8	ug/L	118		8		53	134	20
3,3-Dichlorobenzidine	50	0	42.8	ug/L	86		5		27	129	20
Benzo(a)anthracene	50	0	48.7	ug/L	97		5		58	125	20
Chrysene	50	0	48.5	ug/L	97		6		59	123	20
bis(2-Ethylhexyl)phthalate	50	0	60.9	ug/L	122		8		55	135	20
Di-n-octyl phthalate	50	0	57.3	ug/L	115		4		51	140	20
Benzo(b)fluoranthene	50	0	47.6	ug/L	95		2		53	131	20
Benzo(k)fluoranthene	50	0	48.5	ug/L	97		4		57	129	20
Benzo(a)pyrene	50	0	50.3	ug/L	101		3		54	128	20
Indeno(1,2,3-cd)pyrene	50	0	40.8	ug/L	82		1		52	134	20
Dibenz(a,h)anthracene	50	0	40.4	ug/L	81		1		51	134	20
Benzo(g,h,i)perylene	50	0	37.8	ug/L	76		1		50	134	20
1,2,4,5-Tetrachlorobenzene	50	0	44.9	ug/L	90		3		35	121	20
1,4-Dioxane	50	0	18.2	ug/L	36	*	3		70	130	20
2,3,4,6-Tetrachlorophenol	50	0	50.9	ug/L	102		5		50	128	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF142386.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167951BS	Benzaldehyde	50	39.2	ug/L	78				10	161	
	Phenol	50	44.5	ug/L	89				10	132	
	bis(2-Chloroethyl)ether	50	34.7	ug/L	69				43	118	
	2-Chlorophenol	50	44.6	ug/L	89				38	117	
	2-Methylphenol	50	43.0	ug/L	86				30	117	
	2,2-oxybis(1-Chloropropane)	50	38.8	ug/L	78				37	130	
	Acetophenone	50	41.2	ug/L	82				46	118	
	3+4-Methylphenols	50	42.8	ug/L	86				29	110	
	N-Nitroso-di-n-propylamine	50	41.2	ug/L	82				49	119	
	Hexachloroethane	50	42.3	ug/L	85				21	115	
	Nitrobenzene	50	44.9	ug/L	90				45	121	
	Isophorone	50	42.0	ug/L	84				42	124	
	2-Nitrophenol	50	50.6	ug/L	101				47	123	
	2,4-Dimethylphenol	50	44.4	ug/L	89				31	124	
	bis(2-Chloroethoxy)methane	50	41.0	ug/L	82				48	120	
	2,4-Dichlorophenol	50	46.6	ug/L	93				47	121	
	Naphthalene	50	41.8	ug/L	84				40	121	
	4-Chloroaniline	50	8.80	ug/L	18		*		33	117	
	Hexachlorobutadiene	50	43.7	ug/L	87				22	124	
	Caprolactam	50	51.4	ug/L	103				10	161	
	4-Chloro-3-methylphenol	50	47.5	ug/L	95				52	119	
	2-Methylnaphthalene	50	42.2	ug/L	84				40	121	
	Hexachlorocyclopentadiene	100	90.2	ug/L	90				10	155	
	2,4,6-Trichlorophenol	50	47.6	ug/L	95				50	125	
	2,4,5-Trichlorophenol	50	47.2	ug/L	94				53	123	
	1,1-Biphenyl	50	41.1	ug/L	82				49	115	
	2-Chloronaphthalene	50	41.2	ug/L	82				40	116	
	2-Nitroaniline	50	50.4	ug/L	101				55	127	
	Dimethylphthalate	50	44.5	ug/L	89				45	127	
	Acenaphthylene	50	42.0	ug/L	84				41	130	
	2,6-Dinitrotoluene	50	53.5	ug/L	107				57	124	
	3-Nitroaniline	50	26.9	ug/L	54				41	128	
	Acenaphthene	50	47.1	ug/L	94				47	122	
	2,4-Dinitrophenol	100	120	ug/L	120				23	143	
	4-Nitrophenol	100	110	ug/L	110				10	161	
	Dibenzofuran	50	41.5	ug/L	83				53	118	
	2,4-Dinitrotoluene	50	57.7	ug/L	115				57	128	
	Diethylphthalate	50	44.2	ug/L	88				56	125	
	4-Chlorophenyl-phenylether	50	42.6	ug/L	85				53	121	
	Fluorene	50	41.7	ug/L	83				52	124	
	4-Nitroaniline	50	58.5	ug/L	117				35	120	
	4,6-Dinitro-2-methylphenol	50	55.9	ug/L	112				44	137	
	N-Nitrosodiphenylamine	50	42.0	ug/L	84				51	123	
	4-Bromophenyl-phenylether	50	43.6	ug/L	87				55	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF142386.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167951BS	Hexachlorobenzene	50	44.1	ug/L	88				53	125	
	Atrazine	50	49.0	ug/L	98				44	142	
	Pentachlorophenol	100	110	ug/L	110				35	138	
	Phenanthrene	50	42.0	ug/L	84				59	120	
	Anthracene	50	41.4	ug/L	83				57	123	
	Carbazole	50	42.1	ug/L	84				60	122	
	Di-n-butylphthalate	50	45.7	ug/L	91				59	127	
	Fluoranthene	50	41.5	ug/L	83				57	128	
	Pyrene	50	46.2	ug/L	92				57	126	
	Butylbenzylphthalate	50	48.2	ug/L	96				53	134	
	3,3-Dichlorobenzidine	50	38.3	ug/L	77				27	129	
	Benzo(a)anthracene	50	43.7	ug/L	87				58	125	
	Chrysene	50	43.5	ug/L	87				59	123	
	bis(2-Ethylhexyl)phthalate	50	48.0	ug/L	96				55	135	
	Di-n-octyl phthalate	50	49.2	ug/L	98				51	140	
	Benzo(b)fluoranthene	50	43.2	ug/L	86				53	131	
	Benzo(k)fluoranthene	50	43.6	ug/L	87				57	129	
	Benzo(a)pyrene	50	46.1	ug/L	92				54	128	
	Indeno(1,2,3-cd)pyrene	50	45.6	ug/L	91				52	134	
	Dibenz(a,h)anthracene	50	45.4	ug/L	91				51	134	
	Benzo(g,h,i)perylene	50	44.4	ug/L	89				50	134	
	1,2,4,5-Tetrachlorobenzene	50	41.4	ug/L	83				35	121	
	1,4-Dioxane	50	31.9	ug/L	64		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	50.6	ug/L	101				50	128	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167951BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG NO.: Q1985

Lab File ID: BF142385.D Lab Sample ID: PB167951BL

Instrument ID: BNA_F Date Extracted: 05/12/2025

Matrix: (soil/water) Water Date Analyzed: 05/15/2025

Level: (low/med) LOW Time Analyzed: 10:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167951BS	PB167951BS	BF142386.D	05/15/2025
RW8-BW-20250507	Q1985-01	BF142387.D	05/15/2025
MW-3-20250508MS	Q1993-02MS	BF142388.D	05/15/2025
MW-3-20250508MSD	Q1993-03MSD	BF142389.D	05/15/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1985 SDG NO.: Q1985

Lab File ID: BF142294.D DFTPP Injection Date: 05/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	25.8
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BF142295.D	05/05/2025	13:54
SSTDICC005	SSTDICC005	BF142296.D	05/05/2025	14:23
SSTDICC010	SSTDICC010	BF142297.D	05/05/2025	14:52
SSTDICC020	SSTDICC020	BF142298.D	05/05/2025	15:21
SSTDICCC040	SSTDICCC040	BF142299.D	05/05/2025	15:50
SSTDICC050	SSTDICC050	BF142300.D	05/05/2025	16:18
SSTDICC060	SSTDICC060	BF142301.D	05/05/2025	16:47
SSTDICC080	SSTDICC080	BF142302.D	05/05/2025	17:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1985 SDG NO.: Q1985

Lab File ID: BF142383.D DFTPP Injection Date: 05/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.9
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	26.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	36
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	5.4
275	10.0 - 60.0% of mass 198	23.5
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142384.D	05/15/2025	10:08
PB167951BL	PB167951BL	BF142385.D	05/15/2025	10:37
PB167951BS	PB167951BS	BF142386.D	05/15/2025	11:06
RW8-BW-20250507	Q1985-01	BF142387.D	05/15/2025	11:49
MW-3-20250508MS	Q1993-02MS	BF142388.D	05/15/2025	12:18
MW-3-20250508MSD	Q1993-03MSD	BF142389.D	05/15/2025	12:47
SSTDCCC040EC	SSTDCCC040	BF142391.D	05/15/2025	13:58

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG NO.: Q1985

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BF142384.D Time Analyzed: 10:08

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	167469	6.904	652293	8.19	352544	9.95
	UPPER LIMIT	334938	7.404	1304590	8.686	705088	10.445
	LOWER LIMIT	83734.5	6.404	326147	7.686	176272	9.445
	EPA SAMPLE NO.						
01	RW8-BW-20250507	167801	6.90	639031	8.19	343772	9.94
02	MW-3-20250508MS	172758	6.90	661579	8.19	349080	9.94
03	MW-3-20250508MSD	172657	6.90	662026	8.19	357440	9.94
04	PB167951BL	182996	6.90	716318	8.18	391073	9.94
05	PB167951BS	183759	6.90	709461	8.19	390383	9.94

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG NO.: Q1985

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BF142384.D Time Analyzed: 10:08

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	609842	11.427	307770	14.068	334801	15.556
	UPPER LIMIT	1219680	11.927	615540	14.568	669602	16.056
	LOWER LIMIT	304921	10.927	153885	13.568	167401	15.056
	EPA SAMPLE NO.						
01	RW8-BW-20250507	569708	11.42	315375	14.06	358092	15.56
02	MW-3-20250508MS	537648	11.43	310239	14.07	367976	15.56
03	MW-3-20250508MSD	546787	11.43	314221	14.07	374057	15.56
04	PB167951BL	726822	11.42	497782	14.06	375900	15.55
05	PB167951BS	683655	11.43	358537	14.07	373046	15.56

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q1985
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q1985
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q1985
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126		19 - 119		84%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 130		82%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.0		44 - 120		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		44 - 119		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		43 - 140		103%	SPK: 150
1718-51-0	Terphenyl-d14	72.8		50 - 134		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	183000	6.904				
1146-65-2	Naphthalene-d8	716000	8.181				
15067-26-2	Acenaphthene-d10	391000	9.939				
1517-22-2	Phenanthrene-d10	727000	11.422				
1719-03-5	Chrysene-d12	498000	14.063				
1520-96-3	Perylene-d12	376000	15.551				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.90	A			5.14	ug/L
	unknown7.304	2.10	J			7.30	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q1985
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q1985
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142386.D	1	05/12/25 08:40	05/15/25 11:06	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	39.2		3.90	8.00	10.0	ug/L
108-95-2	Phenol	44.5		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	34.7		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	44.6		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	43.0		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.8		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	41.2		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.8		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.2		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	42.3		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	44.9		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	42.0		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	50.6		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.4		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.0		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.6		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	41.8		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	8.80		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.7		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	51.4		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	47.5		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.2		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	90.2	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.6		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.2		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	41.1		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.2		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	50.4		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	44.5		0.61	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q1985
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142386.D	1	05/12/25 08:40	05/15/25 11:06	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	42.0		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.5		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	26.9		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	47.1		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	41.5		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	57.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	44.2		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.6		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	41.7		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	58.5		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.9		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.0		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.6		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.1		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	49.0		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	42.0		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	41.4		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	42.1		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.7		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	41.5		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	46.2		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.2		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	38.3		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	43.5		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.0		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.2		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.2		0.49	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q1985
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142386.D	1	05/12/25 08:40	05/15/25 11:06	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	43.6		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.1		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.6		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.4		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.4		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.4		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	31.9		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.6		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119		19 - 119		80%	SPK: 150
13127-88-3	Phenol-d6	117		10 - 130		78%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.6		44 - 120		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.6		44 - 119		72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		43 - 140		95%	SPK: 150
1718-51-0	Terphenyl-d14	79.3		50 - 134		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	184000	6.904				
1146-65-2	Naphthalene-d8	709000	8.187				
15067-26-2	Acenaphthene-d10	390000	9.939				
1517-22-2	Phenanthrene-d10	684000	11.428				
1719-03-5	Chrysene-d12	359000	14.069				
1520-96-3	Perylene-d12	373000	15.557				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q1985
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142388.D	1	05/12/25 08:40	05/15/25 12:18	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	33.4		3.90	8.00	10.0	ug/L
108-95-2	Phenol	17.3		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	34.1		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	37.9		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	31.6		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.8		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	42.8		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	28.4		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.7		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	33.9		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	46.1		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	43.9		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	51.3		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	40.9		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.7		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.9		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	40.6		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.8		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.9		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.70	J	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	40.9		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.6		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	84.3	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.2		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.6		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	43.7		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.5		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	50.5		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	46.3		0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q1985
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142388.D	1	05/12/25 08:40	05/15/25 12:18	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.4		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	54.9		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	48.1		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	36.2		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	43.1		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	55.9		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	69.8		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.5		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	42.5		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	48.8		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	58.2		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	48.0		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	49.9		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	49.7		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	45.2		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	44.7		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	43.9		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	40.4		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	50.4		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	39.8		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	39.4		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	54.6		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	41.2		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.2		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	45.6		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	56.7		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	55.5		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.4		0.49	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q1985
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142388.D	1	05/12/25 08:40	05/15/25 12:18	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.4		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	48.8		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.3		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	39.9		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	37.7		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.5		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	17.3		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.6		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	63.8		19 - 119		43%	SPK: 150
13127-88-3	Phenol-d6	41.3		10 - 130		28%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.9		44 - 120		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.0		44 - 119		76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		43 - 140		92%	SPK: 150
1718-51-0	Terphenyl-d14	68.2		50 - 134		68%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173000	6.904				
1146-65-2	Naphthalene-d8	662000	8.187				
15067-26-2	Acenaphthene-d10	349000	9.939				
1517-22-2	Phenanthrene-d10	538000	11.428				
1719-03-5	Chrysene-d12	310000	14.069				
1520-96-3	Perylene-d12	368000	15.557				

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q1985
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142389.D	1	05/12/25 08:40	05/15/25 12:47	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	35.6		3.90	8.00	10.0	ug/L
108-95-2	Phenol	18.2		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.8		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	39.7		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	34.1		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.9		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	45.0		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	30.0		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	45.8		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	36.3		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	48.4		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	46.8		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	55.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	43.3		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.9		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.9		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	43.3		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.4		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.6		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	9.60	J	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.6		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.0		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	85.8	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	53.2		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.5		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.0		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.0		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	54.1		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	48.3		0.61	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q1985
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142389.D	1	05/12/25 08:40	05/15/25 12:47	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.0		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	56.8		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	50.9		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	37.9		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	44.7		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	58.4		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	72.5		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.2		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	44.2		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	51.9		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	62.4		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	50.3		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	52.6		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	52.2		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	49.0		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	46.9		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	46.4		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	42.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	54.2		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	42.6		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	42.7		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	58.8		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	42.8		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	48.5		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	60.9		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	57.3		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.6		0.49	4.00	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q1985
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	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 :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142389.D	1	05/12/25 08:40	05/15/25 12:47	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.5		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	50.3		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.8		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.4		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	37.8		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.9		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	18.2		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.9		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	67.2		19 - 119		45%	SPK: 150
13127-88-3	Phenol-d6	43.9		10 - 130		29%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.4		44 - 120		90%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		44 - 119		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		43 - 140		96%	SPK: 150
1718-51-0	Terphenyl-d14	73.5		50 - 134		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173000	6.904				
1146-65-2	Naphthalene-d8	662000	8.186				
15067-26-2	Acenaphthene-d10	357000	9.939				
1517-22-2	Phenanthrene-d10	547000	11.427				
1719-03-5	Chrysene-d12	314000	14.068				
1520-96-3	Perylene-d12	374000	15.557				

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

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon May 05 18:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142295.D 5 =BF142296.D 10 =BF142297.D 20 =BF142298.D 40 =BF142299.D 50 =BF142300.D 60 =BF142301.D 80 =BF1423
02.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.553	0.527	0.535	0.503	0.543	0.521	0.511	0.528	3.36
3)		Pyridine		1.159	1.233	1.210	1.176	1.311	1.312	1.270	1.239	4.99
4)		n-Nitrosodimet...		0.718	0.707	0.729	0.696	0.759	0.726	0.705	0.720	2.88
5)	S	2-Fluorophenol		1.212	1.177	1.211	1.126	1.224	1.165	1.086	1.172	4.35
6)		Aniline		0.955	1.370	1.568	1.467	1.543	1.519	1.472	1.413	15.03
7)	S	Phenol-d6		1.510	1.458	1.489	1.375	1.500	1.419	1.336	1.441	4.64
8)		2-Chlorophenol		1.202	1.223	1.263	1.221	1.346	1.283	1.225	1.252	4.00
9)		Benzaldehyde		1.049	0.959	0.903	0.734	0.752	0.663		0.843	17.74
10)	C	Phenol		1.599	1.528	1.584	1.472	1.580	1.524	1.405	1.527	4.55
11)		bis(2-Chloroet...		1.789	1.543	1.510	1.353	1.516	1.441	1.392	1.506	9.49
12)		1,3-Dichlorobe...		1.555	1.505	1.466	1.347	1.477	1.379	1.298	1.432	6.48
13)	C	1,4-Dichlorobe...		1.562	1.499	1.486	1.364	1.476	1.386	1.294	1.438	6.46
14)		1,2-Dichlorobe...		1.480	1.432	1.415	1.317	1.424	1.340	1.254	1.380	5.71
15)		Benzyl Alcohol		0.816	0.843	0.933	0.928	1.030	1.008	0.972	0.933	8.56
16)		2,2'-oxybis(1-...		2.379	2.310	2.325	2.135	2.341	2.211	2.044	2.249	5.48
17)		2-Methylphenol		1.033	1.008	1.022	0.972	1.070	1.013	0.978	1.014	3.30
18)		Hexachloroethane		0.473	0.464	0.488	0.463	0.511	0.487	0.463	0.478	3.78
19)	P	n-Nitroso-di-n...	0.840	0.943	0.915	0.918	0.860	0.933	0.885	0.837	0.891	4.69
20)		3+4-Methylphenols		1.354	1.281	1.322	1.218	1.333	1.226	1.121	1.265	6.48
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.505	0.474	0.464	0.416	0.446	0.419	0.389	0.445	8.95
23)	S	Nitrobenzene-d5		0.289	0.304	0.336	0.327	0.360	0.348	0.332	0.328	7.48
24)		Nitrobenzene		0.281	0.293	0.316	0.306	0.337	0.325	0.305	0.309	6.05
25)		Isophorone		0.639	0.623	0.630	0.586	0.648	0.622	0.598	0.621	3.53
26)	C	2-Nitrophenol		0.089	0.097	0.121	0.132	0.154	0.155	0.155	0.129	21.55
27)		2,4-Dimethylph...		0.311	0.314	0.321	0.298	0.329	0.314	0.299	0.312	3.55
28)		bis(2-Chloroet...		0.430	0.414	0.418	0.374	0.408	0.386	0.366	0.399	6.09
29)	C	2,4-Dichloroph...		0.245	0.251	0.278	0.263	0.288	0.274	0.260	0.265	5.71
30)		1,2,4-Trichlor...		0.329	0.309	0.309	0.281	0.304	0.289	0.271	0.299	6.60
31)		Naphthalene		1.102	1.031	1.028	0.906	0.978	0.906	0.835	0.969	9.52
32)		Benzoic acid			0.084	0.117	0.140	0.178	0.186	0.194	0.150	29.22
33)		4-Chloroaniline		0.373	0.373	0.398	0.383	0.435	0.415	0.392	0.396	5.80
34)	C	Hexachlorobuta...		0.188	0.182	0.181	0.168	0.185	0.173	0.162	0.177	5.32
35)		Caprolactam		0.063	0.068	0.078	0.079	0.088	0.083	0.082	0.077	11.39
36)	C	4-Chloro-3-met...		0.281	0.270	0.283	0.265	0.290	0.279	0.262	0.276	3.68
37)		2-Methylnaphth...		0.672	0.636	0.635	0.569	0.615	0.568	0.521	0.602	8.60
38)		1-Methylnaphth...		0.710	0.675	0.665	0.594	0.630	0.587	0.535	0.628	9.59

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.600	0.586	0.586	0.515	0.574	0.538	0.512	0.559	6.51
41)	P	Hexachlorocycl...	0.286	0.303	0.349	0.343	0.388	0.379	0.369	0.345	11.16
42)	S	2,4,6-Tribromo...	0.161	0.176	0.198	0.191	0.218	0.210	0.197	0.193	10.16
43)	C	2,4,6-Trichlor...	0.306	0.320	0.360	0.351	0.393	0.371	0.365	0.352	8.53
44)		2,4,5-Trichlor...	0.339	0.353	0.390	0.363	0.413	0.397	0.369	0.375	7.00
45)	S	2-Fluorobiphenyl	1.737	1.605	1.532	1.272	1.337	1.246	1.090	1.403	16.29
46)		1,1'-Biphenyl	1.727	1.641	1.637	1.411	1.567	1.442	1.310	1.533	9.75
47)		2-Chloronaphth...	1.256	1.198	1.193	1.058	1.155	1.106	1.018	1.140	7.40
48)		2-Nitroaniline	0.205	0.240	0.292	0.298	0.344	0.337	0.330	0.292	17.90
49)		Acenaphthylene	2.083	2.025	2.009	1.783	1.958	1.830	1.665	1.908	7.94
50)		Dimethylphthalate	1.338	1.295	1.344	1.210	1.342	1.275	1.186	1.284	5.04
51)		2,6-Dinitrotol...	0.172	0.206	0.242	0.245	0.280	0.273	0.263	0.240	16.19
52)	C	Acenaphthene	1.260	1.191	1.200	1.066	1.180	1.111	1.021	1.147	7.32
53)		3-Nitroaniline	0.206	0.238	0.288	0.286	0.329	0.319	0.307	0.282	15.80
54)	P	2,4-Dinitrophenol		0.062	0.083	0.097	0.120	0.124	0.127	0.102	25.44
55)		Dibenzofuran	1.932	1.790	1.801	1.555	1.711	1.609	1.453	1.693	9.72
56)	P	4-Nitrophenol	0.159	0.178	0.210	0.214	0.253	0.240	0.231	0.212	15.82
57)		2,4-Dinitrotol...	0.222	0.250	0.303	0.318	0.368	0.355	0.341	0.308	17.63
58)		Fluorene	1.521	1.407	1.374	1.195	1.283	1.183	1.080	1.292	11.77
59)		2,3,4,6-Tetrac...	0.266	0.288	0.320	0.305	0.344	0.329	0.314	0.309	8.38
60)		Diethylphthalate	1.344	1.325	1.355	1.207	1.344	1.252	1.151	1.283	6.27
61)		4-Chlorophenyl...	0.699	0.666	0.658	0.577	0.638	0.590	0.535	0.623	9.26
62)		4-Nitroaniline	0.207	0.230	0.248	0.225	0.240	0.219	0.195	0.223	8.23
63)		Azobenzene	1.338	1.271	1.285	1.132	1.270	1.185	1.098	1.226	7.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.052	0.068	0.081	0.094	0.098	0.101	0.082	23.49
66)	c	n-Nitrosodiphe...	0.704	0.683	0.693	0.629	0.686	0.654	0.610	0.666	5.28
67)		4-Bromophenyl-...	0.230	0.227	0.232	0.216	0.238	0.227	0.217	0.227	3.44
68)		Hexachlorobenzene	0.264	0.246	0.253	0.237	0.258	0.248	0.240	0.249	3.84
69)		Atrazine	0.157	0.165	0.176	0.174	0.196	0.185	0.175	0.175	7.17
70)	C	Pentachlorophenol	0.094	0.109	0.130	0.139	0.153	0.150	0.144	0.131	16.65
71)		Phenanthrene	1.193	1.102	1.105	0.988	1.058	0.987	0.906	1.048	9.14
72)		Anthracene	1.210	1.136	1.134	1.018	1.093	1.023	0.927	1.077	8.77
73)		Carbazole	1.065	1.016	1.024	0.926	0.986	0.911	0.837	0.966	8.17
74)		Di-n-butylphth...	0.957	1.022	1.082	1.013	1.093	1.019	0.928	1.016	5.91
75)	C	Fluoranthene	1.198	1.154	1.128	0.985	1.051	0.956	0.863	1.048	11.46
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.272	0.384	0.358	0.426	0.403	0.337	0.363	15.09
78)		Pyrene	1.822	1.748	1.902	1.705	1.912	1.817	1.555	1.780	6.99
79)	S	Terphenyl-d14	1.493	1.424	1.460	1.255	1.390	1.314	1.123	1.351	9.61
80)		Butylbenzylpht...	0.282	0.330	0.439	0.469	0.545	0.549	0.527	0.449	23.70
81)		Benzo(a)anthra...	1.370	1.299	1.317	1.238	1.354	1.296	1.192	1.295	4.84
82)		3,3'-Dichlorob...	0.250	0.279	0.316	0.296	0.327	0.323	0.317	0.301	9.40
83)		Chrysene	1.294	1.227	1.247	1.104	1.238	1.203	1.128	1.206	5.59
84)		Bis(2-ethylhex...	0.328	0.417	0.557	0.601	0.699	0.716	0.697	0.573	26.35
85)	c	Di-n-octyl pht...		0.586	0.856	1.029	1.242	1.315	1.317	1.057	27.77

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.152	1.281	1.421	1.384	1.596	1.504	1.402	1.391	10.38
88)		Benzo(b)fluora...	1.312	1.216	1.227	1.163	1.263	1.142	1.156	1.211	5.14
89)		Benzo(k)fluora...	1.158	1.142	1.164	1.040	1.172	1.114	0.969	1.109	6.88
90)	C	Benzo(a)pyrene	1.034	1.042	1.102	1.066	1.183	1.119	1.054	1.085	4.88
91)		Dibenzo(a,h)an...	0.987	1.066	1.194	1.137	1.308	1.224	1.129	1.149	9.17
92)		Benzo(g,h,i)pe...	0.971	1.056	1.175	1.120	1.295	1.225	1.143	1.141	9.37

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 10:08

Lab File ID: BF142384.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.185		1.1	
Benzaldehyde	0.843	0.790		-6.3	
Phenol-d6	1.441	1.453		0.8	
Phenol	1.531	1.687		10.2	20.0
bis(2-Chloroethyl)ether	1.506	1.206		-19.9	
2-Chlorophenol	1.252	1.341		7.1	
2-Methylphenol	1.014	1.020		0.6	
2,2-oxybis(1-Chloropropane)	2.249	2.090		-7.1	
Acetophenone	0.445	0.432		-2.9	
3+4-Methylphenols	1.265	1.281		1.3	
n-Nitroso-di-n-propylamine	0.891	0.887	0.050	-0.4	
Nitrobenzene-d5	0.328	0.363		10.7	
Hexachloroethane	0.478	0.498		4.2	
Nitrobenzene	0.309	0.329		6.5	
Isophorone	0.621	0.611		-1.6	
2-Nitrophenol	0.129	0.180		39.5	20.0
2,4-Dimethylphenol	0.312	0.317		1.6	
bis(2-Chloroethoxy)methane	0.399	0.377		-5.5	
2,4-Dichlorophenol	0.265	0.282		6.4	20.0
Naphthalene	0.969	0.952		-1.8	
4-Chloroaniline	0.395	0.395		0.0	
Hexachlorobutadiene	0.177	0.180		1.7	20.0
Caprolactam	0.077	0.085		10.4	
4-Chloro-3-methylphenol	0.276	0.298		8.0	20.0
2-Methylnaphthalene	0.602	0.598		-0.7	
Hexachlorocyclopentadiene	0.345	0.391	0.050	13.3	
2,4,6-Trichlorophenol	0.352	0.393		11.6	20.0
2-Fluorobiphenyl	1.403	1.334		-4.9	
2,4,5-Trichlorophenol	0.375	0.404		7.7	
1,1-Biphenyl	1.533	1.496		-2.4	
2-Chloronaphthalene	1.140	1.126		-1.2	
2-Nitroaniline	0.292	0.343		17.5	
Dimethylphthalate	1.284	1.305		1.6	
Acenaphthylene	1.908	1.887		-1.1	
2,6-Dinitrotoluene	0.240	0.287		19.6	
3-Nitroaniline	0.282	0.328		16.3	
Acenaphthene	1.147	1.167		1.7	20.0
2,4-Dinitrophenol	0.102	0.155	0.050	52.0	
4-Nitrophenol	0.212	0.270	0.050	27.4	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 10:08

Lab File ID: BF142384.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.670		-1.4	
2,4-Dinitrotoluene	0.308	0.387		25.6	
Diethylphthalate	1.283	1.268		-1.2	
4-Chlorophenyl-phenylether	0.623	0.627		0.6	
Fluorene	1.292	1.258		-2.6	
4-Nitroaniline	0.223	0.271		21.5	
4,6-Dinitro-2-methylphenol	0.082	0.118		43.9	
n-Nitrosodiphenylamine	0.666	0.652		-2.1	20.0
2,4,6-Tribromophenol	0.193	0.228		18.1	
4-Bromophenyl-phenylether	0.227	0.229		0.9	
Hexachlorobenzene	0.249	0.253		1.6	
Atrazine	0.175	0.181		3.4	
Pentachlorophenol	0.131	0.161		22.9	20.0
Phenanthrene	1.048	1.011		-3.5	
Anthracene	1.077	1.047		-2.8	
Carbazole	0.966	0.919		-4.9	
Di-n-butylphthalate	1.016	1.002		-1.4	
Fluoranthene	1.048	0.966		-7.8	20.0
Pyrene	1.780	1.890		6.2	
Terphenyl-d14	1.351	1.396		3.3	
Butylbenzylphthalate	0.449	0.554		23.4	
3,3-Dichlorobenzidine	0.301	0.406		34.9	
Benzo(a)anthracene	1.295	1.280		-1.2	
Chrysene	1.206	1.167		-3.2	
Bis(2-ethylhexyl)phthalate	0.573	0.758		32.3	
Di-n-octyl phthalate	1.057	1.421		34.4	20.0
Benzo(b)fluoranthene	1.211	1.181		-2.5	
Benzo(k)fluoranthene	1.109	1.054		-5.0	
Benzo(a)pyrene	1.085	1.112		2.5	20.0
Indeno(1,2,3-cd)pyrene	1.391	1.459		4.9	
Dibenzo(a,h)anthracene	1.149	1.182		2.9	
Benzo(g,h,i)perylene	1.141	1.160		1.7	
1,2,4,5-Tetrachlorobenzene	0.559	0.562		0.5	
1,4-Dioxane	0.528	0.494		-6.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.350		13.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 13:58

Lab File ID: BF142391.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.203		2.6	50.0
Benzaldehyde	0.843	0.813		-3.6	50.0
Phenol-d6	1.441	1.447		0.4	50.0
Phenol	1.531	1.640		7.1	50.0
bis(2-Chloroethyl)ether	1.506	1.172		-22.2	50.0
2-Chlorophenol	1.252	1.315		5.0	50.0
2-Methylphenol	1.014	1.011		-0.3	50.0
2,2-oxybis(1-Chloropropane)	2.249	2.025		-10.0	50.0
Acetophenone	0.445	0.431		-3.1	50.0
3+4-Methylphenols	1.265	1.273		0.6	50.0
n-Nitroso-di-n-propylamine	0.891	0.836	0.050	-6.2	50.0
Nitrobenzene-d5	0.328	0.364		11.0	50.0
Hexachloroethane	0.478	0.492		2.9	50.0
Nitrobenzene	0.309	0.335		8.4	50.0
Isophorone	0.621	0.594		-4.3	50.0
2-Nitrophenol	0.129	0.183		41.9	50.0
2,4-Dimethylphenol	0.312	0.320		2.6	50.0
bis(2-Chloroethoxy)methane	0.399	0.372		-6.8	50.0
2,4-Dichlorophenol	0.265	0.283		6.8	50.0
Naphthalene	0.969	0.958		-1.1	50.0
4-Chloroaniline	0.395	0.394		-0.3	50.0
Hexachlorobutadiene	0.177	0.182		2.8	50.0
Caprolactam	0.077	0.086		11.7	50.0
4-Chloro-3-methylphenol	0.276	0.283		2.5	50.0
2-Methylnaphthalene	0.602	0.589		-2.2	50.0
Hexachlorocyclopentadiene	0.345	0.392	0.050	13.6	50.0
2,4,6-Trichlorophenol	0.352	0.391		11.1	50.0
2-Fluorobiphenyl	1.403	1.336		-4.8	50.0
2,4,5-Trichlorophenol	0.375	0.400		6.7	50.0
1,1-Biphenyl	1.533	1.493		-2.6	50.0
2-Chloronaphthalene	1.140	1.130		-0.9	50.0
2-Nitroaniline	0.292	0.352		20.5	50.0
Dimethylphthalate	1.284	1.277		-0.5	50.0
Acenaphthylene	1.908	1.885		-1.2	50.0
2,6-Dinitrotoluene	0.240	0.283		17.9	50.0
3-Nitroaniline	0.282	0.326		15.6	50.0
Acenaphthene	1.147	1.148		0.1	50.0
2,4-Dinitrophenol	0.102	0.159	0.050	55.9	50.0
4-Nitrophenol	0.212	0.259	0.050	22.2	50.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 13:58

Lab File ID: BF142391.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.652		-2.4	50.0
2,4-Dinitrotoluene	0.308	0.385		25.0	50.0
Diethylphthalate	1.283	1.218		-5.1	50.0
4-Chlorophenyl-phenylether	0.623	0.608		-2.4	50.0
Fluorene	1.292	1.257		-2.7	50.0
4-Nitroaniline	0.223	0.293		31.4	50.0
4,6-Dinitro-2-methylphenol	0.082	0.120		46.3	50.0
n-Nitrosodiphenylamine	0.666	0.654		-1.8	50.0
2,4,6-Tribromophenol	0.193	0.222		15.0	50.0
4-Bromophenyl-phenylether	0.227	0.224		-1.3	50.0
Hexachlorobenzene	0.249	0.251		0.8	50.0
Atrazine	0.175	0.184		5.1	50.0
Pentachlorophenol	0.131	0.160		22.1	50.0
Phenanthrene	1.048	1.024		-2.3	50.0
Anthracene	1.077	1.062		-1.4	50.0
Carbazole	0.966	0.948		-1.9	50.0
Di-n-butylphthalate	1.016	0.982		-3.3	50.0
Fluoranthene	1.048	0.996		-5.0	50.0
Pyrene	1.780	1.890		6.2	50.0
Terphenyl-d14	1.351	1.383		2.4	50.0
Butylbenzylphthalate	0.449	0.500		11.4	50.0
3,3-Dichlorobenzidine	0.301	0.418		38.9	50.0
Benzo(a)anthracene	1.295	1.335		3.1	50.0
Chrysene	1.206	1.161		-3.7	50.0
Bis(2-ethylhexyl)phthalate	0.573	0.629		9.8	50.0
Di-n-octyl phthalate	1.057	1.255		18.7	50.0
Benzo(b)fluoranthene	1.211	1.234		1.9	50.0
Benzo(k)fluoranthene	1.109	0.959		-13.5	50.0
Benzo(a)pyrene	1.085	1.102		1.6	50.0
Indeno(1,2,3-cd)pyrene	1.391	1.484		6.7	50.0
Dibenzo(a,h)anthracene	1.149	1.193		3.8	50.0
Benzo(g,h,i)perylene	1.141	1.188		4.1	50.0
1,2,4,5-Tetrachlorobenzene	0.559	0.568		1.6	50.0
1,4-Dioxane	0.528	0.512		-3.0	50.0
2,3,4,6-Tetrachlorophenol	0.309	0.339		9.7	50.0

All other compounds must meet a minimum RRF of 0.010.