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

LAB CHRONICLE

OrderID:	Q2064	**OrderDate:**	5/16/2025 10:39:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2064-01	**RW8-SP100-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-02	**RW8-SP201-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-03	**RW8-SP301-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-04	**RW8-SP303-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-05	**RW8-SP100-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-06	**RW8-SP201-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-07	**RW8-SP301-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-08	**RW8-SP303-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	

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LAB CHRONICLE

SVOC-TCL BNA -20	8270E	05/19/25	05/20/25

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Hit Summary Sheet
SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW8-SP303-70-20250514**								
Q2064-04	RW8-SP303-70-2025051‹ WATER	Bis(2-ethylhexyl)phthalate		2.100	J	1.6	4	5	ug/L
		Total Svoc :				**2.10**			
Q2064-04	RW8-SP303-70-2025051‹ WATER	Benzophenone	*	4.200	J	0		0	ug/L
Q2064-04	RW8-SP303-70-2025051‹ WATER	n-Hexadecanoic acid	*	2.400	J	0		0	ug/L
		Total Tics :				**6.60**			
		Total Concentration:				**8.70**			
Client ID :	**RW8-SP100-90-20250514**								
Q2064-05	RW8-SP100-90-2025051‹ WATER	2-Propenoic acid, 2-methyl-, 3,3,5	*	3.300	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzoic acid, p-tert-butyl-	*	6.900	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzophenone	*	3.200	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Docosane	*	4.000	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Hexanoic acid, 2-ethyl-	*	24.700	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	n-Hexadecanoic acid	*	2.400	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzoic acid	*	14.600	J	4.2		10	ug/L
		Total Tics :				**59.10**			
		Total Concentration:				**59.10**			
Client ID :	**RW8-SP303-90-20250514**								
Q2064-08	RW8-SP303-90-2025051‹ WATER	Benzophenone	*	3.100	J	0		0	ug/L
Q2064-08	RW8-SP303-90-2025051‹ WATER	n-Hexadecanoic acid	*	2.700	J	0		0	ug/L
		Total Tics :				**5.80**			
		Total Concentration:				**5.80**			

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	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
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	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
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

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

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	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
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

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	UQ	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	48.9		19 - 119		33%	SPK: 150
13127-88-3	Phenol-d6	25.8		10 - 130		17%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.6		44 - 120		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.1		44 - 119		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		43 - 140		100%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		50 - 134		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	111000	7.657				
1146-65-2	Naphthalene-d8	420000	10.428				
15067-26-2	Acenaphthene-d10	277000	14.286				
1517-22-2	Phenanthrene-d10	582000	17.086				
1719-03-5	Chrysene-d12	659000	21.521				
1520-96-3	Perylene-d12	738000	24.803				

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

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	2.10	J	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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

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	UQ	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	49.7		19 - 119		33%	SPK: 150
13127-88-3	Phenol-d6	27.0		10 - 130		18%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.4		44 - 120		67%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.4		44 - 119		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		43 - 140		103%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118000	7.657				
1146-65-2	Naphthalene-d8	456000	10.428				
15067-26-2	Acenaphthene-d10	312000	14.292				
1517-22-2	Phenanthrene-d10	617000	17.086				
1719-03-5	Chrysene-d12	695000	21.515				
1520-96-3	Perylene-d12	845000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	4.20	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.40	J			18.0	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	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
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

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	UQ	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	52.3		19 - 119		35%	SPK: 150
13127-88-3	Phenol-d6	28.7		10 - 130		19%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		44 - 120		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.3		44 - 119		70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		43 - 140		108%	SPK: 150
1718-51-0	Terphenyl-d14	97.0		50 - 134		97%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	105000	7.657				
1146-65-2	Naphthalene-d8	406000	10.428				
15067-26-2	Acenaphthene-d10	295000	14.287				
1517-22-2	Phenanthrene-d10	589000	17.086				
1719-03-5	Chrysene-d12	654000	21.516				
1520-96-3	Perylene-d12	777000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000149-57-5	Hexanoic acid, 2-ethyl-	24.7	J			9.01	ug/L
65-85-0	Benzoic acid	14.6	J			9.79	ug/L
007779-31-9	2-Propenoic acid, 2-methyl-, 3,3,5	3.30	J			12.5	ug/L
000098-73-7	Benzoic acid, p-tert-butyl-	6.90	J			14.1	ug/L
000119-61-9	Benzophenone	3.20	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.40	J			18.0	ug/L
000629-97-0	Docosane	4.00	J			22.5	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	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
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

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:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

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	UQ	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	48.5		19 - 119		32%	SPK: 150
13127-88-3	Phenol-d6	26.5		10 - 130		18%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.0		44 - 120		67%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.7		44 - 119		72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		43 - 140		106%	SPK: 150
1718-51-0	Terphenyl-d14	95.6		50 - 134		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122000	7.658				
1146-65-2	Naphthalene-d8	472000	10.422				
15067-26-2	Acenaphthene-d10	309000	14.281				
1517-22-2	Phenanthrene-d10	630000	17.086				
1719-03-5	Chrysene-d12	689000	21.516				
1520-96-3	Perylene-d12	813000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	3.10	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.70	J			18.0	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	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
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

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

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Surrogate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168048BL	PB168048BL	2-Fluorophenol	150	133	88		19	119
		Phenol-d6	150	122	81		10	130
		Nitrobenzene-d5	100	76.1	76		44	120
		2-Fluorobiphenyl	100	76.8	77		44	119
		2,4,6-Tribromophenol	150	145	97		43	140
		Terphenyl-d14	100	90.1	90		50	134
PB168048BS	PB168048BS	2-Fluorophenol	150	122	82		19	119
		Phenol-d6	150	117	78		10	130
		Nitrobenzene-d5	100	69.5	69		44	120
		2-Fluorobiphenyl	100	74.5	74		44	119
		2,4,6-Tribromophenol	150	139	93		43	140
		Terphenyl-d14	100	76.9	77		50	134
PB168048BSD	PB168048BSD	2-Fluorophenol	150	128	85		19	119
		Phenol-d6	150	120	80		10	130
		Nitrobenzene-d5	100	75.8	76		44	120
		2-Fluorobiphenyl	100	78.1	78		44	119
		2,4,6-Tribromophenol	150	146	97		43	140
		Terphenyl-d14	100	79.4	79		50	134
Q2064-01	RW8-SP100-70-20250514	2-Fluorophenol	150	48.9	33		19	119
		Phenol-d6	150	25.8	17		10	130
		Nitrobenzene-d5	100	68.6	69		44	120
		2-Fluorobiphenyl	100	71.1	71		44	119
		2,4,6-Tribromophenol	150	149	100		43	140
		Terphenyl-d14	100	83.3	83		50	134
Q2064-04	RW8-SP303-70-20250514	2-Fluorophenol	150	49.7	33		19	119
		Phenol-d6	150	27.0	18		10	130
		Nitrobenzene-d5	100	67.4	67		44	120
		2-Fluorobiphenyl	100	71.4	71		44	119
		2,4,6-Tribromophenol	150	155	103		43	140
		Terphenyl-d14	100	94.1	94		50	134
Q2064-05	RW8-SP100-90-20250514	2-Fluorophenol	150	52.3	35		19	119
		Phenol-d6	150	28.7	19		10	130
		Nitrobenzene-d5	100	70.0	70		44	120
		2-Fluorobiphenyl	100	70.3	70		44	119
		2,4,6-Tribromophenol	150	161	108		43	140
		Terphenyl-d14	100	97.0	97		50	134
Q2064-08	RW8-SP303-90-20250514	2-Fluorophenol	150	48.5	32		19	119
		Phenol-d6	150	26.5	18		10	130
		Nitrobenzene-d5	100	67.0	67		44	120
		2-Fluorobiphenyl	100	71.7	72		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	95.6	96		50	134

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024707.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BS	Benzaldehyde	50	30.6	ug/L	61				10	161	
	Phenol	50	40.0	ug/L	80				10	132	
	bis(2-Chloroethyl)ether	50	35.7	ug/L	71				43	118	
	2-Chlorophenol	50	41.7	ug/L	83				38	117	
	2-Methylphenol	50	39.9	ug/L	80				30	117	
	2,2-oxybis(1-Chloropropane)	50	34.9	ug/L	70				37	130	
	Acetophenone	50	38.9	ug/L	78				46	118	
	3+4-Methylphenols	50	38.8	ug/L	78				29	110	
	N-Nitroso-di-n-propylamine	50	33.4	ug/L	67				49	119	
	Hexachloroethane	50	38.0	ug/L	76				21	115	
	Nitrobenzene	50	37.8	ug/L	76				45	121	
	Isophorone	50	35.9	ug/L	72				42	124	
	2-Nitrophenol	50	43.7	ug/L	87				47	123	
	2,4-Dimethylphenol	50	42.9	ug/L	86				31	124	
	bis(2-Chloroethoxy)methane	50	37.2	ug/L	74				48	120	
	2,4-Dichlorophenol	50	43.9	ug/L	88				47	121	
	Naphthalene	50	39.4	ug/L	79				40	121	
	4-Chloroaniline	50	19.5	ug/L	39				33	117	
	Hexachlorobutadiene	50	42.4	ug/L	85				22	124	
	Caprolactam	50	39.7	ug/L	79				10	161	
	4-Chloro-3-methylphenol	50	41.9	ug/L	84				52	119	
	2-Methylnaphthalene	50	39.5	ug/L	79				40	121	
	Hexachlorocyclopentadiene	100	89.2	ug/L	89				10	155	
	2,4,6-Trichlorophenol	50	46.4	ug/L	93				50	125	
	2,4,5-Trichlorophenol	50	45.0	ug/L	90				53	123	
	1,1-Biphenyl	50	42.8	ug/L	86				49	115	
	2-Chloronaphthalene	50	43.0	ug/L	86				40	116	
	2-Nitroaniline	50	43.3	ug/L	87				55	127	
	Dimethylphthalate	50	42.4	ug/L	85				45	127	
	Acenaphthylene	50	41.4	ug/L	83				41	130	
	2,6-Dinitrotoluene	50	43.0	ug/L	86				57	124	
	3-Nitroaniline	50	26.3	ug/L	53				41	128	
	Acenaphthene	50	41.3	ug/L	83				47	122	
	2,4-Dinitrophenol	100	81.6	ug/L	82				23	143	
	4-Nitrophenol	100	75.5	ug/L	76				10	161	
	Dibenzofuran	50	42.2	ug/L	84				53	118	
	2,4-Dinitrotoluene	50	44.7	ug/L	89				57	128	
	Diethylphthalate	50	41.6	ug/L	83				56	125	
	4-Chlorophenyl-phenylether	50	42.5	ug/L	85				53	121	
	Fluorene	50	42.4	ug/L	85				52	124	
	4-Nitroaniline	50	40.0	ug/L	80				35	120	
	4,6-Dinitro-2-methylphenol	50	44.3	ug/L	89				44	137	
	N-Nitrosodiphenylamine	50	42.6	ug/L	85				51	123	
	4-Bromophenyl-phenylether	50	44.0	ug/L	88				55	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024707.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BS	Hexachlorobenzene	50	44.4	ug/L	89				53	125	
	Atrazine	50	44.4	ug/L	89				44	142	
	Pentachlorophenol	100	98.8	ug/L	99				35	138	
	Phenanthrene	50	40.6	ug/L	81				59	120	
	Anthracene	50	42.4	ug/L	85				57	123	
	Carbazole	50	42.9	ug/L	86				60	122	
	Di-n-butylphthalate	50	41.5	ug/L	83				59	127	
	Fluoranthene	50	42.5	ug/L	85				57	128	
	Pyrene	50	42.4	ug/L	85				57	126	
	Butylbenzylphthalate	50	43.1	ug/L	86				53	134	
	3,3-Dichlorobenzidine	50	33.0	ug/L	66				27	129	
	Benzo(a)anthracene	50	41.9	ug/L	84				58	125	
	Chrysene	50	40.8	ug/L	82				59	123	
	bis(2-Ethylhexyl)phthalate	50	44.3	ug/L	89				55	135	
	Di-n-octyl phthalate	50	45.4	ug/L	91				51	140	
	Benzo(b)fluoranthene	50	42.5	ug/L	85				53	131	
	Benzo(k)fluoranthene	50	42.7	ug/L	85				57	129	
	Benzo(a)pyrene	50	42.6	ug/L	85				54	128	
	Indeno(1,2,3-cd)pyrene	50	42.7	ug/L	85				52	134	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				51	134	
	Benzo(g,h,i)perylene	50	42.1	ug/L	84				50	134	
	1,2,4,5-Tetrachlorobenzene	50	43.5	ug/L	87				35	121	
	1,4-Dioxane	50	30.9	ug/L	62		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87				50	128	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024708.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BSD	Benzaldehyde	50	33.3	ug/L	67	8			10	161	20
	Phenol	50	41.7	ug/L	83	4			10	132	20
	bis(2-Chloroethyl)ether	50	38.9	ug/L	78	9			43	118	20
	2-Chlorophenol	50	43.8	ug/L	88	5			38	117	20
	2-Methylphenol	50	40.8	ug/L	82	2			30	117	20
	2,2-oxybis(1-Chloropropane)	50	35.5	ug/L	71	2			37	130	20
	Acetophenone	50	41.6	ug/L	83	7			46	118	20
	3+4-Methylphenols	50	40.5	ug/L	81	4			29	110	20
	N-Nitroso-di-n-propylamine	50	34.9	ug/L	70	4			49	119	20
	Hexachloroethane	50	39.5	ug/L	79	4			21	115	20
	Nitrobenzene	50	42.2	ug/L	84	11			45	121	20
	Isophorone	50	37.7	ug/L	75	5			42	124	20
	2-Nitrophenol	50	47.7	ug/L	95	9			47	123	20
	2,4-Dimethylphenol	50	46.0	ug/L	92	7			31	124	20
	bis(2-Chloroethoxy)methane	50	39.7	ug/L	79	7			48	120	20
	2,4-Dichlorophenol	50	47.2	ug/L	94	7			47	121	20
	Naphthalene	50	42.5	ug/L	85	8			40	121	20
	4-Chloroaniline	50	34.9	ug/L	70	57		*	33	117	20
	Hexachlorobutadiene	50	45.8	ug/L	92	8			22	124	20
	Caprolactam	50	43.3	ug/L	87	9			10	161	20
	4-Chloro-3-methylphenol	50	42.8	ug/L	86	2			52	119	20
	2-Methylnaphthalene	50	41.9	ug/L	84	6			40	121	20
	Hexachlorocyclopentadiene	100	99.7	ug/L	100	11			10	155	20
	2,4,6-Trichlorophenol	50	49.8	ug/L	100	7			50	125	20
	2,4,5-Trichlorophenol	50	48.4	ug/L	97	7			53	123	20
	1,1-Biphenyl	50	45.9	ug/L	92	7			49	115	20
	2-Chloronaphthalene	50	46.2	ug/L	92	7			40	116	20
	2-Nitroaniline	50	45.1	ug/L	90	4			55	127	20
	Dimethylphthalate	50	44.8	ug/L	90	6			45	127	20
	Acenaphthylene	50	43.7	ug/L	87	5			41	130	20
	2,6-Dinitrotoluene	50	45.8	ug/L	92	6			57	124	20
	3-Nitroaniline	50	37.1	ug/L	74	34		*	41	128	20
	Acenaphthene	50	44.5	ug/L	89	7			47	122	20
	2,4-Dinitrophenol	100	86.7	ug/L	87	6			23	143	20
	4-Nitrophenol	100	78.4	ug/L	78	4			10	161	20
	Dibenzofuran	50	43.7	ug/L	87	3			53	118	20
	2,4-Dinitrotoluene	50	45.9	ug/L	92	3			57	128	20
	Diethylphthalate	50	44.1	ug/L	88	6			56	125	20
	4-Chlorophenyl-phenylether	50	45.4	ug/L	91	7			53	121	20
	Fluorene	50	45.6	ug/L	91	7			52	124	20
	4-Nitroaniline	50	43.8	ug/L	88	9			35	120	20
	4,6-Dinitro-2-methylphenol	50	49.0	ug/L	98	10			44	137	20
	N-Nitrosodiphenylamine	50	47.5	ug/L	95	11			51	123	20
	4-Bromophenyl-phenylether	50	48.0	ug/L	96	9			55	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024708.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BSD	Hexachlorobenzene	50	47.6	ug/L	95	7			53	125	20
	Atrazine	50	47.6	ug/L	95	7			44	142	20
	Pentachlorophenol	100	110	ug/L	110	11			35	138	20
	Phenanthrene	50	44.4	ug/L	89	9			59	120	20
	Anthracene	50	46.9	ug/L	94	10			57	123	20
	Carbazole	50	46.9	ug/L	94	9			60	122	20
	Di-n-butylphthalate	50	46.4	ug/L	93	11			59	127	20
	Fluoranthene	50	45.0	ug/L	90	6			57	128	20
	Pyrene	50	43.3	ug/L	87	2			57	126	20
	Butylbenzylphthalate	50	44.7	ug/L	89	4			53	134	20
	3,3-Dichlorobenzidine	50	41.3	ug/L	83	22		*	27	129	20
	Benzo(a)anthracene	50	44.7	ug/L	89	6			58	125	20
	Chrysene	50	44.7	ug/L	89	9			59	123	20
	bis(2-Ethylhexyl)phthalate	50	47.2	ug/L	94	6			55	135	20
	Di-n-octyl phthalate	50	47.7	ug/L	95	5			51	140	20
	Benzo(b)fluoranthene	50	47.0	ug/L	94	10			53	131	20
	Benzo(k)fluoranthene	50	45.9	ug/L	92	7			57	129	20
	Benzo(a)pyrene	50	46.4	ug/L	93	9			54	128	20
	Indeno(1,2,3-cd)pyrene	50	45.4	ug/L	91	6			52	134	20
	Dibenz(a,h)anthracene	50	46.0	ug/L	92	6			51	134	20
	Benzo(g,h,i)perylene	50	44.9	ug/L	90	6			50	134	20
	1,2,4,5-Tetrachlorobenzene	50	47.0	ug/L	94	8			35	121	20
	1,4-Dioxane	50	31.5	ug/L	63	2	*		70	130	20
	2,3,4,6-Tetrachlorophenol	50	48.0	ug/L	96	10			50	128	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168048BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024706.D Lab Sample ID: PB168048BL

Instrument ID: BNA_P Date Extracted: 05/19/2025

Matrix: (soil/water) Water Date Analyzed: 05/20/2025

Level: (low/med) LOW Time Analyzed: 13:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168048BS	PB168048BS	BP024707.D	05/20/2025
PB168048BSD	PB168048BSD	BP024708.D	05/20/2025
RW8-SP100-70-20250514	Q2064-01	BP024712.D	05/20/2025
RW8-SP303-70-20250514	Q2064-04	BP024713.D	05/20/2025
RW8-SP100-90-20250514	Q2064-05	BP024714.D	05/20/2025
RW8-SP303-90-20250514	Q2064-08	BP024715.D	05/20/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.8
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	29
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
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	5.3
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (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	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024702.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	23.8
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	33.7
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	4.7
275	10.0 - 60.0% of mass 198	24
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 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	BP024703.D	05/20/2025	11:52
PB168048BL	PB168048BL	BP024706.D	05/20/2025	13:55
PB168048BS	PB168048BS	BP024707.D	05/20/2025	14:35
PB168048BSD	PB168048BSD	BP024708.D	05/20/2025	15:16
RW8-SP100-70-20250514	Q2064-01	BP024712.D	05/20/2025	17:59
RW8-SP303-70-20250514	Q2064-04	BP024713.D	05/20/2025	18:40
RW8-SP100-90-20250514	Q2064-05	BP024714.D	05/20/2025	19:21
RW8-SP303-90-20250514	Q2064-08	BP024715.D	05/20/2025	20:02
SSTDCCC040EC	SSTDCCC040	BP024718.D	05/20/2025	22:04

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	123667	7.657	504753	10.43	316846	14.29
	UPPER LIMIT	247334	8.157	1009510	10.928	633692	14.787
	LOWER LIMIT	61833.5	7.157	252377	9.928	158423	13.787
	EPA SAMPLE NO.						
01	PB168048BL	134412	7.66	500749	10.43	300658	14.29
02	PB168048BS	124819	7.66	494827	10.43	304328	14.29
03	PB168048BSD	139801	7.66	538123	10.42	329718	14.29
04	RW8-SP100-70-20250514	110969	7.66	419501	10.43	276589	14.29
05	RW8-SP303-70-20250514	118478	7.66	455563	10.43	312017	14.29
06	RW8-SP100-90-20250514	105097	7.66	405523	10.43	295391	14.29
07	RW8-SP303-90-20250514	121733	7.66	471667	10.42	308901	14.28

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.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	620396	17.081	679929	21.516	792201	24.798
	UPPER LIMIT	1240790	17.581	1359860	22.016	1584400	25.298
	LOWER LIMIT	310198	16.581	339965	21.016	396101	24.298
	EPA SAMPLE NO.						
01	PB168048BL	642481	17.09	691700	21.52	756782	24.82
02	PB168048BS	614284	17.08	693187	21.52	827509	24.79
03	PB168048BSD	642991	17.08	741643	21.52	838594	24.79
04	RW8-SP100-70-20250514	582176	17.09	659261	21.52	737654	24.80
05	RW8-SP303-70-20250514	617202	17.09	694869	21.52	845393	24.80
06	RW8-SP100-90-20250514	588501	17.09	654045	21.52	776769	24.80
07	RW8-SP303-90-20250514	630051	17.09	688875	21.52	813486	24.80

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

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:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

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:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

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	133		19 - 119		88%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 130		81%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		44 - 120		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		44 - 119		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		43 - 140		97%	SPK: 150
1718-51-0	Terphenyl-d14	90.1		50 - 134		90%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134000	7.658				
1146-65-2	Naphthalene-d8	501000	10.428				
15067-26-2	Acenaphthene-d10	301000	14.287				
1517-22-2	Phenanthrene-d10	642000	17.092				
1719-03-5	Chrysene-d12	692000	21.522				
1520-96-3	Perylene-d12	757000	24.821				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.90	A			4.82	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:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	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
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

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:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	30.6		3.90	8.00	10.0	ug/L
108-95-2	Phenol	40.0		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.7		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	41.7		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	39.9		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	34.9		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	38.9		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	38.8		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	33.4		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	38.0		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	37.8		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	35.9		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	43.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.9		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.2		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.9		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	39.4		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.5		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.4		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	39.7		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.5		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.2	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	46.4		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.0		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.8		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.0		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	43.3		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	42.4		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:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	41.4		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.0		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	26.3		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	41.3		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	81.6	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	75.5		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	42.2		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	41.6		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.5		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	42.4		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	40.0		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.3		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.6		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.0		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.4		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	44.4		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	98.8	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	40.6		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	42.4		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	41.5		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	42.5		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	42.4		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	43.1		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	33.0		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	41.9		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	40.8		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.3		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.4		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.5		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:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	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
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	42.7		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.6		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.2		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.1		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	30.9		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122		19 - 119		82%	SPK: 150
13127-88-3	Phenol-d6	117		10 - 130		78%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.5		44 - 120		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		44 - 119		74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		43 - 140		93%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		50 - 134		77%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125000	7.657				
1146-65-2	Naphthalene-d8	495000	10.428				
15067-26-2	Acenaphthene-d10	304000	14.287				
1517-22-2	Phenanthrene-d10	614000	17.081				
1719-03-5	Chrysene-d12	693000	21.516				
1520-96-3	Perylene-d12	828000	24.792				

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:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	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
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	33.3		3.90	8.00	10.0	ug/L
108-95-2	Phenol	41.7		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.9		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	43.8		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	40.8		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.5		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.5		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	34.9		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	39.5		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	42.2		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	37.7		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	47.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	46.0		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.7		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.2		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	42.5		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	34.9		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.8		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	43.3		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.8		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.9		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	99.7	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.8		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.4		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.9		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.2		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	45.1		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		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:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	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
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.7		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.8		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	37.1		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	44.5		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	86.7	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	78.4		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	43.7		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	44.1		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.4		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	45.6		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	43.8		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.0		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.5		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.0		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	47.6		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	47.6		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	44.4		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	46.9		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	46.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.4		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	43.3		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.7		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	41.3		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	44.7		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.2		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.7		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.0		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:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	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
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.9		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.4		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.4		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.0		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	31.5		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.0		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128		19 - 119		85%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 130		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		44 - 120		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		44 - 119		78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		43 - 140		97%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		50 - 134		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140000	7.658				
1146-65-2	Naphthalene-d8	538000	10.422				
15067-26-2	Acenaphthene-d10	330000	14.287				
1517-22-2	Phenanthrene-d10	643000	17.081				
1719-03-5	Chrysene-d12	742000	21.516				
1520-96-3	Perylene-d12	839000	24.792				

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 MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.530	0.513	0.549	8.31
3)		Pyridine		1.054	1.135	1.202	1.198	1.363	1.307	1.263	1.218	8.57
4)		n-Nitrosodimet...		0.536	0.507	0.527	0.517	0.580	0.557	0.537	0.538	4.61
5)	S	2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.223	1.193	1.169	5.50
6)		Aniline		1.717	1.703	1.932	1.917	2.130	2.091	1.999	1.927	8.67
7)	S	Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.620	1.552	1.492	9.09
8)		2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.433	1.376	1.327	7.83
9)		Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.954	0.766	0.966	9.91
10)	C	Phenol		1.373	1.401	1.526	1.509	1.707	1.670	1.597	1.540	8.24
11)		bis(2-Chloroet...		1.317	1.170	1.257	1.213	1.357	1.299	1.247	1.266	5.04
12)		1,3-Dichlorobe...		1.596	1.487	1.520	1.440	1.622	1.546	1.480	1.527	4.29
13)	C	1,4-Dichlorobe...		1.558	1.505	1.525	1.470	1.637	1.567	1.491	1.536	3.67
14)		1,2-Dichlorobe...		1.530	1.467	1.498	1.426	1.579	1.529	1.449	1.497	3.56
15)		Benzyl Alcohol		0.883	0.950	1.128	1.149	1.306	1.288	1.236	1.134	14.43
16)		2,2'-oxybis(1-...		1.543	1.445	1.520	1.467	1.617	1.564	1.454	1.516	4.22
17)		2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.213	1.154	1.105	10.30
18)		Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.597	0.570	0.589	4.04
19)	P	n-Nitroso-di-n...	0.880	0.977	0.967	1.086	1.048	1.142	1.132	1.026	1.032	8.63
20)		3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.692	1.584	1.503	12.21
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.486	0.481	0.511	0.483	0.534	0.512	0.491	0.500	3.97
23)	S	Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.408	0.394	0.396	4.67
24)		Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.356	0.344	0.348	4.03
25)		Isophorone		0.644	0.640	0.695	0.673	0.753	0.721	0.682	0.687	5.91
26)	C	2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.192	0.189	0.171	14.05
27)		2,4-Dimethylph...		0.273	0.279	0.300	0.298	0.329	0.318	0.309	0.301	6.60
28)		bis(2-Chloroet...		0.403	0.391	0.411	0.399	0.443	0.419	0.405	0.410	4.15
29)	C	2,4-Dichloroph...		0.250	0.258	0.290	0.291	0.327	0.316	0.309	0.292	9.96
30)		1,2,4-Trichlor...		0.346	0.322	0.327	0.306	0.347	0.329	0.323	0.329	4.33
31)		Naphthalene		1.064	1.026	1.049	0.980	1.091	1.037	1.007	1.036	3.54
32)		Benzoic acid			0.089	0.146	0.191	0.215	0.220	0.225	0.181	29.55
33)		4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.462	0.442	0.418	10.62
34)	C	Hexachlorobuta...		0.231	0.214	0.211	0.198	0.222	0.209	0.206	0.213	5.08
35)		Caprolactam		0.082	0.092	0.104	0.109	0.121	0.121	0.110	0.106	13.80
36)	C	4-Chloro-3-met...		0.316	0.325	0.358	0.356	0.391	0.384	0.359	0.356	7.78
37)		2-Methylnaphth...		0.673	0.654	0.670	0.640	0.713	0.693	0.654	0.671	3.73
38)		1-Methylnaphth...		0.741	0.700	0.720	0.690	0.751	0.733	0.690	0.718	3.47

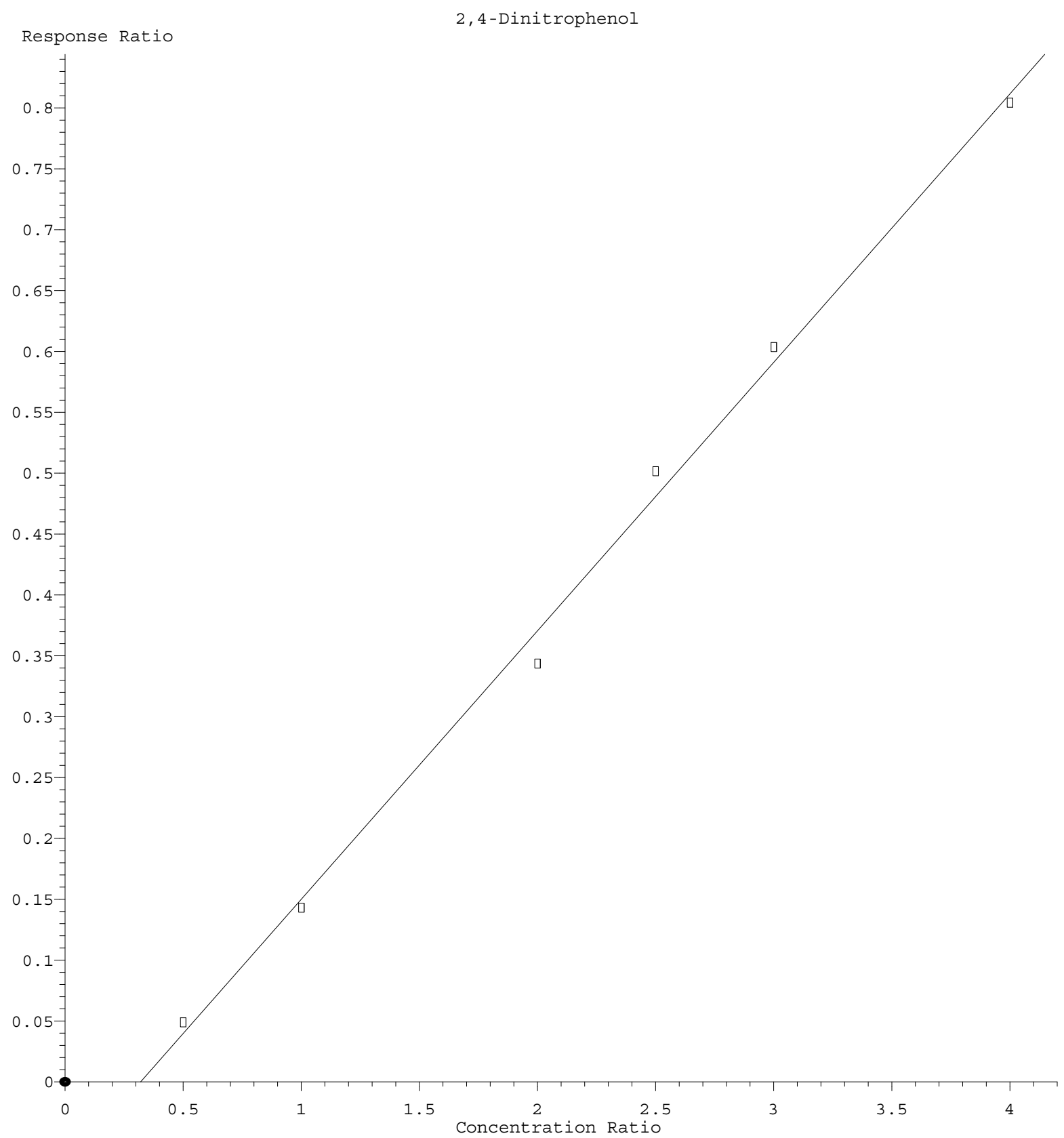
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.558	0.574	0.549	0.625	0.580	0.586	0.581	4.26
41)	P	Hexachlorocycl...	0.250	0.276	0.350	0.356	0.420	0.391	0.421	0.352	19.02
42)	S	2,4,6-Tribromo...	0.324	0.321	0.335	0.323	0.369	0.357	0.346	0.339	5.49
43)	C	2,4,6-Trichlor...	0.305	0.341	0.375	0.371	0.428	0.410	0.402	0.376	11.29
44)		2,4,5-Trichlor...	0.376	0.375	0.418	0.404	0.471	0.447	0.440	0.419	8.68
45)	S	2-Fluorobiphenyl	1.601	1.498	1.553	1.432	1.602	1.515	1.485	1.527	4.10
46)		1,1'-Biphenyl	1.524	1.434	1.492	1.383	1.586	1.473	1.456	1.478	4.40
47)		2-Chloronaphth...	1.147	1.106	1.131	1.065	1.196	1.132	1.113	1.127	3.56
48)		2-Nitroaniline	0.279	0.304	0.331	0.335	0.381	0.364	0.343	0.334	10.28
49)		Acenaphthylene	1.845	1.818	1.920	1.804	2.029	1.930	1.856	1.886	4.19
50)		Dimethylphthalate	1.570	1.527	1.518	1.450	1.611	1.535	1.460	1.524	3.73
51)		2,6-Dinitrotol...	0.299	0.308	0.326	0.312	0.354	0.337	0.319	0.322	5.75
52)	C	Acenaphthene	1.105	1.054	1.094	1.028	1.159	1.099	1.052	1.084	4.02
53)		3-Nitroaniline	0.258	0.275	0.329	0.340	0.379	0.370	0.350	0.329	14.04
54)	P	2,4-Dinitrophenol		0.098	0.143	0.172	0.201	0.201	0.201	0.169	24.79
55)		Dibenzofuran	1.810	1.716	1.740	1.633	1.816	1.733	1.658	1.730	4.00
56)	P	4-Nitrophenol		0.159	0.222	0.257	0.299	0.288	0.274	0.250	20.82
57)		2,4-Dinitrotol...	0.400	0.422	0.456	0.454	0.508	0.483	0.454	0.454	7.87
58)		Fluorene	1.466	1.415	1.410	1.336	1.494	1.410	1.341	1.410	4.14
59)		2,3,4,6-Tetrac...	0.367	0.364	0.381	0.379	0.428	0.406	0.394	0.388	5.89
60)		Diethylphthalate	1.593	1.542	1.537	1.444	1.639	1.563	1.468	1.541	4.40
61)		4-Chlorophenyl...	0.752	0.697	0.700	0.656	0.741	0.709	0.668	0.703	5.01
62)		4-Nitroaniline	0.228	0.259	0.326	0.330	0.375	0.363	0.341	0.317	17.06
63)		Azobenzene	1.327	1.299	1.356	1.250	1.407	1.343	1.243	1.318	4.45
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.120	0.129	0.149	0.143	0.141	0.129	15.64
66)	c	n-Nitrosodiphe...	0.603	0.589	0.627	0.593	0.667	0.621	0.600	0.614	4.41
67)		4-Bromophenyl-...	0.231	0.223	0.237	0.226	0.252	0.242	0.240	0.236	4.31
68)		Hexachlorobenzene	0.303	0.288	0.298	0.282	0.321	0.304	0.300	0.299	4.25
69)		Atrazine	0.210	0.209	0.227	0.218	0.248	0.237	0.226	0.225	6.32
70)	C	Pentachlorophenol	0.124	0.137	0.163	0.172	0.198	0.191	0.192	0.168	17.12
71)		Phenanthrene	1.144	1.085	1.125	1.051	1.170	1.125	1.083	1.112	3.68
72)		Anthracene	1.097	1.064	1.142	1.075	1.205	1.139	1.108	1.119	4.31
73)		Carbazole	0.923	0.944	1.039	1.001	1.114	1.053	1.013	1.012	6.43
74)		Di-n-butylphth...	1.182	1.218	1.332	1.260	1.447	1.363	1.313	1.302	6.97
75)	C	Fluoranthene	1.271	1.254	1.314	1.250	1.399	1.337	1.272	1.300	4.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.362	0.543	0.560	0.657	0.599	0.548	0.545	18.22
78)		Pyrene	1.184	1.137	1.197	1.153	1.273	1.222	1.223	1.198	3.85
79)	S	Terphenyl-d14	1.192	1.113	1.165	1.125	1.226	1.175	1.167	1.166	3.30
80)		Butylbenzylpht...	0.458	0.465	0.537	0.527	0.604	0.571	0.569	0.533	10.28
81)		Benzo(a)anthra...	1.251	1.218	1.253	1.208	1.336	1.275	1.250	1.256	3.36
82)		3,3'-Dichlorob...	0.357	0.392	0.474	0.477	0.539	0.511	0.514	0.466	14.45
83)		Chrysene	1.214	1.180	1.185	1.131	1.255	1.188	1.180	1.190	3.16
84)		Bis(2-ethylhex...	0.673	0.683	0.801	0.766	0.884	0.836	0.841	0.783	10.32
85)	c	Di-n-octyl pht...	1.048	1.116	1.272	1.280	1.458	1.376	1.417	1.281	11.95

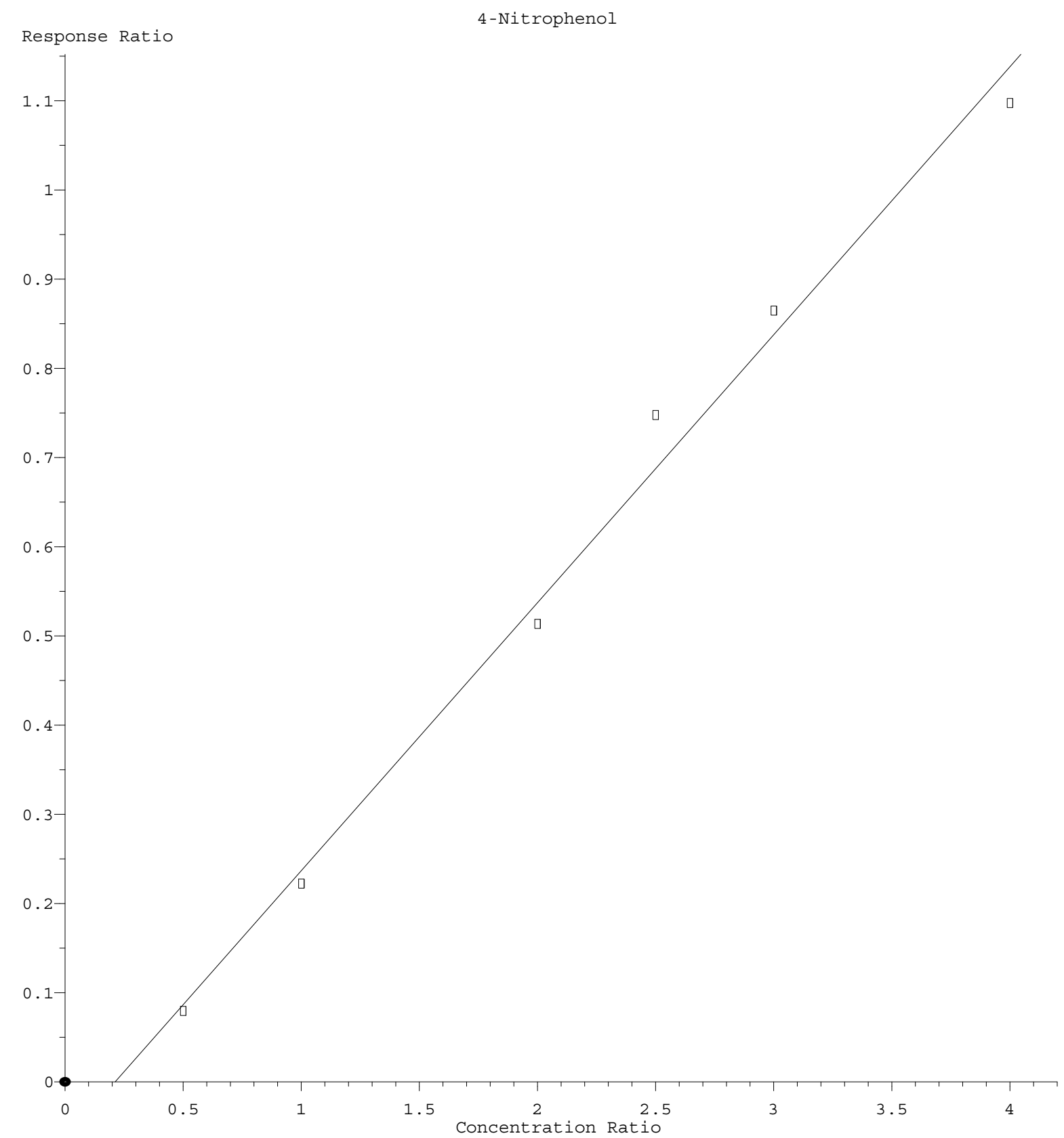
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.341	1.357	1.447	1.424	1.608	1.549	1.494	1.460	6.70
88)		Benzo(b)fluora...	1.028	1.070	1.152	1.103	1.288	1.184	1.189	1.145	7.58
89)		Benzo(k)fluora...	1.147	1.106	1.182	1.140	1.258	1.238	1.185	1.180	4.59
90)	C	Benzo(a)pyrene	0.995	1.001	1.112	1.064	1.221	1.167	1.136	1.099	7.68
91)		Dibenzo(a,h)an...	1.068	1.066	1.186	1.167	1.321	1.271	1.236	1.188	8.18
92)		Benzo(g,h,i)pe...	1.101	1.106	1.167	1.147	1.294	1.242	1.212	1.181	6.07

(#) = Out of Range



Response = 2.207e-001 * Amt - 7.063e-002
Coef of Det (r^2) = 0.996311 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025



Response = 3.005e-001 * Amt - 6.362e-002
Coef of Det (r^2) = 0.991009 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.129		-3.4	
Benzaldehyde	0.966	0.885		-8.4	
Phenol-d6	1.492	1.410		-5.5	
Phenol	1.540	1.418		-7.9	20.0
bis(2-Chloroethyl)ether	1.266	1.114		-12.0	
2-Chlorophenol	1.327	1.280		-3.5	
2-Methylphenol	1.105	1.022		-7.5	
2,2-oxybis(1-Chloropropane)	1.516	1.340		-11.6	
Acetophenone	0.500	0.472		-5.6	
3+4-Methylphenols	1.503	1.381		-8.1	
n-Nitroso-di-n-propylamine	1.032	0.915	0.050	-11.3	
Nitrobenzene-d5	0.396	0.375		-5.3	
Hexachloroethane	0.589	0.545		-7.5	
Nitrobenzene	0.348	0.330		-5.2	
Isophorone	0.687	0.624		-9.2	
2-Nitrophenol	0.171	0.178		4.1	20.0
2,4-Dimethylphenol	0.301	0.296		-1.7	
bis(2-Chloroethoxy)methane	0.410	0.367		-10.5	
2,4-Dichlorophenol	0.292	0.289		-1.0	20.0
Naphthalene	1.036	0.995		-4.0	
4-Chloroaniline	0.418	0.409		-2.2	
Hexachlorobutadiene	0.213	0.211		-0.9	20.0
Caprolactam	0.106	0.098		-7.5	
4-Chloro-3-methylphenol	0.356	0.337		-5.3	20.0
2-Methylnaphthalene	0.671	0.634		-5.5	
Hexachlorocyclopentadiene	0.352	0.351	0.050	-0.3	
2,4,6-Trichlorophenol	0.376	0.384		2.1	20.0
2-Fluorobiphenyl	1.527	1.512		-1.0	
2,4,5-Trichlorophenol	0.419	0.427		1.9	
1,1-Biphenyl	1.478	1.420		-3.9	
2-Chloronaphthalene	1.127	1.097		-2.7	
2-Nitroaniline	0.334	0.320		-4.2	
Dimethylphthalate	1.524	1.412		-7.3	
Acenaphthylene	1.886	1.792		-5.0	
2,6-Dinitrotoluene	0.322	0.312		-3.1	
3-Nitroaniline	0.329	0.315		-4.3	
Acenaphthene	1.084	1.035		-4.5	20.0
2,4-Dinitrophenol	0.169	0.160	0.050	-5.3	
4-Nitrophenol	0.250	0.320	0.050	28.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.654		-4.4	
2,4-Dinitrotoluene	0.454	0.441		-2.9	
Diethylphthalate	1.541	1.438		-6.7	
4-Chlorophenyl-phenylether	0.703	0.679		-3.4	
Fluorene	1.410	1.354		-4.0	
4-Nitroaniline	0.317	0.299		-5.7	
4,6-Dinitro-2-methylphenol	0.129	0.128		-0.8	
n-Nitrosodiphenylamine	0.614	0.596		-2.9	20.0
2,4,6-Tribromophenol	0.339	0.348		2.7	
4-Bromophenyl-phenylether	0.236	0.238		0.8	
Hexachlorobenzene	0.299	0.299		0.0	
Atrazine	0.225	0.224		-0.4	
Pentachlorophenol	0.168	0.165		-1.8	20.0
Phenanthrene	1.112	1.065		-4.2	
Anthracene	1.119	1.093		-2.3	
Carbazole	1.012	0.966		-4.5	
Di-n-butylphthalate	1.302	1.263		-3.0	
Fluoranthene	1.300	1.234		-5.1	20.0
Pyrene	1.198	1.171		-2.3	
Terphenyl-d14	1.166	1.167		0.1	
Butylbenzylphthalate	0.533	0.527		-1.1	
3,3-Dichlorobenzidine	0.466	0.476		2.1	
Benzo(a)anthracene	1.256	1.210		-3.7	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.764		-2.4	
Di-n-octyl phthalate	1.281	1.290		0.7	20.0
Benzo(b)fluoranthene	1.145	1.102		-3.8	
Benzo(k)fluoranthene	1.180	1.133		-4.0	
Benzo(a)pyrene	1.099	1.069		-2.7	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.420		-2.7	
Dibenzo(a,h)anthracene	1.188	1.154		-2.9	
Benzo(g,h,i)perylene	1.181	1.129		-4.4	
1,2,4,5-Tetrachlorobenzene	0.581	0.583		0.3	
1,4-Dioxane	0.549	0.490		-10.7	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.381		-1.8	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.092		-6.6	50.0
Benzaldehyde	0.966	0.838		-13.3	50.0
Phenol-d6	1.492	1.356		-9.1	50.0
Phenol	1.540	1.377		-10.6	50.0
bis(2-Chloroethyl)ether	1.266	1.083		-14.5	50.0
2-Chlorophenol	1.327	1.268		-4.4	50.0
2-Methylphenol	1.105	1.025		-7.2	50.0
2,2-oxybis(1-Chloropropane)	1.516	1.280		-15.6	50.0
Acetophenone	0.500	0.457		-8.6	50.0
3+4-Methylphenols	1.503	1.386		-7.8	50.0
n-Nitroso-di-n-propylamine	1.032	0.882	0.050	-14.5	50.0
Nitrobenzene-d5	0.396	0.354		-10.6	50.0
Hexachloroethane	0.589	0.534		-9.3	50.0
Nitrobenzene	0.348	0.305		-12.4	50.0
Isophorone	0.687	0.600		-12.7	50.0
2-Nitrophenol	0.171	0.177		3.5	50.0
2,4-Dimethylphenol	0.301	0.290		-3.7	50.0
bis(2-Chloroethoxy)methane	0.410	0.351		-14.4	50.0
2,4-Dichlorophenol	0.292	0.292		0.0	50.0
Naphthalene	1.036	0.990		-4.4	50.0
4-Chloroaniline	0.418	0.409		-2.2	50.0
Hexachlorobutadiene	0.213	0.212		-0.5	50.0
Caprolactam	0.106	0.103		-2.8	50.0
4-Chloro-3-methylphenol	0.356	0.345		-3.1	50.0
2-Methylnaphthalene	0.671	0.644		-4.0	50.0
Hexachlorocyclopentadiene	0.352	0.353	0.050	0.3	50.0
2,4,6-Trichlorophenol	0.376	0.399		6.1	50.0
2-Fluorobiphenyl	1.527	1.493		-2.2	50.0
2,4,5-Trichlorophenol	0.419	0.440		5.0	50.0
1,1-Biphenyl	1.478	1.442		-2.4	50.0
2-Chloronaphthalene	1.127	1.121		-0.5	50.0
2-Nitroaniline	0.334	0.327		-2.1	50.0
Dimethylphthalate	1.524	1.441		-5.4	50.0
Acenaphthylene	1.886	1.808		-4.1	50.0
2,6-Dinitrotoluene	0.322	0.307		-4.7	50.0
3-Nitroaniline	0.329	0.314		-4.6	50.0
Acenaphthene	1.084	1.038		-4.2	50.0
2,4-Dinitrophenol	0.169	0.154	0.050	-8.9	50.0
4-Nitrophenol	0.250	0.339	0.050	35.6	50.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.664		-3.8	50.0
2,4-Dinitrotoluene	0.454	0.455		0.2	50.0
Diethylphthalate	1.541	1.454		-5.6	50.0
4-Chlorophenyl-phenylether	0.703	0.687		-2.3	50.0
Fluorene	1.410	1.366		-3.1	50.0
4-Nitroaniline	0.317	0.313		-1.3	50.0
4,6-Dinitro-2-methylphenol	0.129	0.126		-2.3	50.0
n-Nitrosodiphenylamine	0.614	0.608		-1.0	50.0
2,4,6-Tribromophenol	0.339	0.363		7.1	50.0
4-Bromophenyl-phenylether	0.236	0.239		1.3	50.0
Hexachlorobenzene	0.299	0.304		1.7	50.0
Atrazine	0.225	0.226		0.4	50.0
Pentachlorophenol	0.168	0.252		50.0	50.0
Phenanthrene	1.112	1.068		-4.0	50.0
Anthracene	1.119	1.103		-1.4	50.0
Carbazole	1.012	0.988		-2.4	50.0
Di-n-butylphthalate	1.302	1.289		-1.0	50.0
Fluoranthene	1.300	1.253		-3.6	50.0
Pyrene	1.198	1.170		-2.3	50.0
Terphenyl-d14	1.166	1.166		0.0	50.0
Butylbenzylphthalate	0.533	0.540		1.3	50.0
3,3-Dichlorobenzidine	0.466	0.494		6.0	50.0
Benzo(a)anthracene	1.256	1.204		-4.1	50.0
Chrysene	1.190	1.133		-4.8	50.0
Bis(2-ethylhexyl)phthalate	0.783	0.781		-0.3	50.0
Di-n-octyl phthalate	1.281	1.349		5.3	50.0
Benzo(b)fluoranthene	1.145	1.086		-5.2	50.0
Benzo(k)fluoranthene	1.180	1.096		-7.1	50.0
Benzo(a)pyrene	1.099	1.047		-4.7	50.0
Indeno(1,2,3-cd)pyrene	1.460	1.407		-3.6	50.0
Dibenzo(a,h)anthracene	1.188	1.146		-3.5	50.0
Benzo(g,h,i)perylene	1.181	1.125		-4.7	50.0
1,2,4,5-Tetrachlorobenzene	0.581	0.572		-1.5	50.0
1,4-Dioxane	0.549	0.467		-14.9	50.0
2,3,4,6-Tetrachlorophenol	0.388	0.398		2.6	50.0

All other compounds must meet a minimum RRF of 0.010.