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

LAB CHRONICLE

OrderID:	Q3776	**OrderDate:**	12/4/2025 11:05:38 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WA194808 Dahlgren VA - DOD VELAP
Contact:	Aaron Bernhardt	**Location:**	A11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3776-01	**IDW-RAD-20251203**	**Water**			**12/03/25**			**12/04/25**
			SVOC-TCL BNA -20	8270E		12/05/25	12/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3776

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**IDW-RAD-20251203**									
Q3776-01	IDW-RAD-20251203	WATER	Benzophenone	*	2.900	J	0		0	ug/L
Q3776-01	IDW-RAD-20251203	WATER	Diethyltoluamide	*	33.800	J	0		0	ug/L
Q3776-01	IDW-RAD-20251203	WATER	n-Hexadecanoic acid	*	3.500	J	0		0	ug/L
			Total Tics :				**40.20**			
			Total Concentration:				**40.20**			

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:	12/03/25
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	12/04/25
Client Sample ID:	IDW-RAD-20251203	SDG No.:	Q3776
Lab Sample ID:	Q3776-01	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	990 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.10	U	1	3.90	8.10	10.1	ug/L	12/08/25 16:27	PB170839
108-95-2	Phenol	4.00	U	1	0.92	4.00	5.10	ug/L	12/08/25 16:27	PB170839
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.82	4.00	5.10	ug/L	12/08/25 16:27	PB170839
95-57-8	2-Chlorophenol	4.00	U	1	0.59	4.00	5.10	ug/L	12/08/25 16:27	PB170839
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.10	ug/L	12/08/25 16:27	PB170839
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.10	ug/L	12/08/25 16:27	PB170839
98-86-2	Acetophenone	4.00	U	1	0.75	4.00	5.10	ug/L	12/08/25 16:27	PB170839
65794-96-9	3+4-Methylphenols	8.10	U	1	1.10	8.10	10.1	ug/L	12/08/25 16:27	PB170839
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	12/08/25 16:27	PB170839
67-72-1	Hexachloroethane	4.00	U	1	0.66	4.00	5.10	ug/L	12/08/25 16:27	PB170839
98-95-3	Nitrobenzene	4.00	U	1	0.77	4.00	5.10	ug/L	12/08/25 16:27	PB170839
78-59-1	Isophorone	4.00	U	1	0.76	4.00	5.10	ug/L	12/08/25 16:27	PB170839
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.10	ug/L	12/08/25 16:27	PB170839
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.10	ug/L	12/08/25 16:27	PB170839
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.69	4.00	5.10	ug/L	12/08/25 16:27	PB170839
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.53	4.00	5.10	ug/L	12/08/25 16:27	PB170839
91-20-3	Naphthalene	4.00	U	1	0.51	4.00	5.10	ug/L	12/08/25 16:27	PB170839
106-47-8	4-Chloroaniline	4.00	U	1	0.85	4.00	5.10	ug/L	12/08/25 16:27	PB170839
87-68-3	Hexachlorobutadiene	4.00	U	1	0.55	4.00	5.10	ug/L	12/08/25 16:27	PB170839
105-60-2	Caprolactam	8.10	U	1	1.10	8.10	10.1	ug/L	12/08/25 16:27	PB170839
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.60	4.00	5.10	ug/L	12/08/25 16:27	PB170839
91-57-6	2-Methylnaphthalene	4.00	U	1	0.57	4.00	5.10	ug/L	12/08/25 16:27	PB170839
77-47-4	Hexachlorocyclopentadiene	8.10	U	1	3.70	8.10	10.1	ug/L	12/08/25 16:27	PB170839
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.52	4.00	5.10	ug/L	12/08/25 16:27	PB170839
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.63	4.00	5.10	ug/L	12/08/25 16:27	PB170839
92-52-4	1,1-Biphenyl	4.00	U	1	0.54	4.00	5.10	ug/L	12/08/25 16:27	PB170839
91-58-7	2-Chloronaphthalene	4.00	U	1	0.62	4.00	5.10	ug/L	12/08/25 16:27	PB170839
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.10	ug/L	12/08/25 16:27	PB170839
131-11-3	Dimethylphthalate	4.00	U	1	0.62	4.00	5.10	ug/L	12/08/25 16:27	PB170839
208-96-8	Acenaphthylene	4.00	U	1	0.76	4.00	5.10	ug/L	12/08/25 16:27	PB170839
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.93	4.00	5.10	ug/L	12/08/25 16:27	PB170839
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.10	ug/L	12/08/25 16:27	PB170839
83-32-9	Acenaphthene	4.00	U	1	0.56	4.00	5.10	ug/L	12/08/25 16:27	PB170839
51-28-5	2,4-Dinitrophenol	8.10	U	1	6.00	8.10	10.1	ug/L	12/08/25 16:27	PB170839
100-02-7	4-Nitrophenol	8.10	U	1	2.40	8.10	10.1	ug/L	12/08/25 16:27	PB170839
132-64-9	Dibenzofuran	4.00	U	1	0.62	4.00	5.10	ug/L	12/08/25 16:27	PB170839
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.10	ug/L	12/08/25 16:27	PB170839
84-66-2	Diethylphthalate	4.00	U	1	0.70	4.00	5.10	ug/L	12/08/25 16:27	PB170839
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.69	4.00	5.10	ug/L	12/08/25 16:27	PB170839
86-73-7	Fluorene	4.00	U	1	0.64	4.00	5.10	ug/L	12/08/25 16:27	PB170839
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.10	ug/L	12/08/25 16:27	PB170839
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	1	2.90	8.10	10.1	ug/L	12/08/25 16:27	PB170839

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:	12/03/25
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	12/04/25
Client Sample ID:	IDW-RAD-20251203	SDG No.:	Q3776
Lab Sample ID:	Q3776-01	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	990 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.59	4.00	5.10	ug/L	12/08/25 16:27	PB170839
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.10	ug/L	12/08/25 16:27	PB170839
118-74-1	Hexachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	12/08/25 16:27	PB170839
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.10	ug/L	12/08/25 16:27	PB170839
87-86-5	Pentachlorophenol	8.10	U	1	1.60	8.10	10.1	ug/L	12/08/25 16:27	PB170839
85-01-8	Phenanthrene	4.00	U	1	0.51	4.00	5.10	ug/L	12/08/25 16:27	PB170839
120-12-7	Anthracene	4.00	U	1	0.62	4.00	5.10	ug/L	12/08/25 16:27	PB170839
86-74-8	Carbazole	4.00	U	1	0.73	4.00	5.10	ug/L	12/08/25 16:27	PB170839
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.10	ug/L	12/08/25 16:27	PB170839
206-44-0	Fluoranthene	4.00	U	1	0.83	4.00	5.10	ug/L	12/08/25 16:27	PB170839
129-00-0	Pyrene	4.00	U	1	0.51	4.00	5.10	ug/L	12/08/25 16:27	PB170839
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.10	ug/L	12/08/25 16:27	PB170839
91-94-1	3,3-Dichlorobenzidine	8.10	U	1	0.94	8.10	10.1	ug/L	12/08/25 16:27	PB170839
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.10	ug/L	12/08/25 16:27	PB170839
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.10	ug/L	12/08/25 16:27	PB170839
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.10	ug/L	12/08/25 16:27	PB170839
117-84-0	Di-n-octyl phthalate	8.10	U	1	2.40	8.10	10.1	ug/L	12/08/25 16:27	PB170839
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.10	ug/L	12/08/25 16:27	PB170839
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.10	ug/L	12/08/25 16:27	PB170839
50-32-8	Benzo(a)pyrene	4.00	U	1	0.56	4.00	5.10	ug/L	12/08/25 16:27	PB170839
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.60	4.00	5.10	ug/L	12/08/25 16:27	PB170839
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.68	4.00	5.10	ug/L	12/08/25 16:27	PB170839
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.70	4.00	5.10	ug/L	12/08/25 16:27	PB170839
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	12/08/25 16:27	PB170839
123-91-1	1,4-Dioxane	4.00	U	1	1.00	4.00	5.10	ug/L	12/08/25 16:27	PB170839
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.73	4.00	5.10	ug/L	12/08/25 16:27	PB170839
SURROGATES										
367-12-4	2-Fluorophenol	68.6			19 - 119		46%	SPK: 150		
13127-88-3	Phenol-d6	42.6			10 - 130		28%	SPK: 150		
4165-60-0	Nitrobenzene-d5	87.3			44 - 120		87%	SPK: 100		
321-60-8	2-Fluorobiphenyl	85.7			44 - 119		86%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	143			43 - 140		96%	SPK: 150		
1718-51-0	Terphenyl-d14	85.7			50 - 134		86%	SPK: 100		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	198000								
1146-65-2	Naphthalene-d8	771000								
15067-26-2	Acenaphthene-d10	502000								
1517-22-2	Phenanthrene-d10	1010000								
1719-03-5	Chrysene-d12	1110000								
1520-96-3	Perylene-d12	1320000								
TENTATIVE IDENTIFIED COMPOUNDS										
000134-62-3	Diethyltoluamide	33.8	J				15.0	ug/L		
000119-61-9	Benzophenone	2.90	J				15.7	ug/L		

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	12/03/25
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	12/04/25
Client Sample ID:	IDW-RAD-20251203	SDG No.:	Q3776
Lab Sample ID:	Q3776-01	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	990 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-10-3	n-Hexadecanoic acid	3.50	J				18.0	ug/L		

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.: Q3776

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170839BL	PB170839BL	2-Fluorophenol	150	136	91		19	119
		Phenol-d6	150	130	87		10	130
		Nitrobenzene-d5	100	89.1	89		44	120
		2-Fluorobiphenyl	100	90.0	90		44	119
		2,4,6-Tribromophenol	150	141	94		43	140
		Terphenyl-d14	100	95.2	95		50	134
PB170839BS	PB170839BS	2-Fluorophenol	150	125	83		19	119
		Phenol-d6	150	122	81		10	130
		Nitrobenzene-d5	100	80.6	81		44	120
		2-Fluorobiphenyl	100	82.5	83		44	119
		2,4,6-Tribromophenol	150	134	89		43	140
		Terphenyl-d14	100	88.2	88		50	134
PB170839BSD	PB170839BSD	2-Fluorophenol	150	124	82		19	119
		Phenol-d6	150	120	80		10	130
		Nitrobenzene-d5	100	79.9	80		44	120
		2-Fluorobiphenyl	100	81.8	82		44	119
		2,4,6-Tribromophenol	150	137	91		43	140
		Terphenyl-d14	100	85.6	86		50	134
Q3776-01	IDW-RAD-20251203	2-Fluorophenol	150	68.6	46		19	119
		Phenol-d6	150	42.6	28		10	130
		Nitrobenzene-d5	100	87.3	87		44	120
		2-Fluorobiphenyl	100	85.7	86		44	119
		2,4,6-Tribromophenol	150	143	96		43	140
		Terphenyl-d14	100	85.7	86		50	134

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3776 **Analytical Method:** 8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BP026252.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170839BS	Benzaldehyde	50	28.6	ug/L	57				10	161	
	Phenol	50	42.5	ug/L	85				10	132	
	bis(2-Chloroethyl)ether	50	40.2	ug/L	80				43	118	
	2-Chlorophenol	50	43.8	ug/L	88				38	117	
	2-Methylphenol	50	43.3	ug/L	87				30	117	
	2,2-oxybis(1-Chloropropane)	50	39.8	ug/L	80				37	130	
	Acetophenone	50	42.4	ug/L	85				46	118	
	3+4-Methylphenols	50	41.8	ug/L	84				29	110	
	N-Nitroso-di-n-propylamine	50	39.7	ug/L	79				49	119	
	Hexachloroethane	50	42.4	ug/L	85				21	115	
	Nitrobenzene	50	42.3	ug/L	85				45	121	
	Isophorone	50	40.6	ug/L	81				42	124	
	2-Nitrophenol	50	43.8	ug/L	88				47	123	
	2,4-Dimethylphenol	50	43.3	ug/L	87				31	124	
	bis(2-Chloroethoxy)methane	50	40.1	ug/L	80				48	120	
	2,4-Dichlorophenol	50	44.5	ug/L	89				47	121	
	Naphthalene	50	42.1	ug/L	84				40	121	
	4-Chloroaniline	50	22.2	ug/L	44				33	117	
	Hexachlorobutadiene	50	44.4	ug/L	89				22	124	
	Caprolactam	50	41.9	ug/L	84				10	161	
	4-Chloro-3-methylphenol	50	43.4	ug/L	87				52	119	
	2-Methylnaphthalene	50	38.0	ug/L	76				40	121	
	Hexachlorocyclopentadiene	100	88.3	ug/L	88				10	155	
	2,4,6-Trichlorophenol	50	44.8	ug/L	90				50	125	
	2,4,5-Trichlorophenol	50	45.1	ug/L	90				53	123	
	1,1-Biphenyl	50	43.4	ug/L	87				49	115	
	2-Chloronaphthalene	50	42.6	ug/L	85				40	116	
	2-Nitroaniline	50	43.8	ug/L	88				55	127	
	Dimethylphthalate	50	43.5	ug/L	87				45	127	
	Acenaphthylene	50	43.7	ug/L	87				41	130	
	2,6-Dinitrotoluene	50	47.5	ug/L	95				57	124	
	3-Nitroaniline	50	26.4	ug/L	53				41	128	
	Acenaphthene	50	41.4	ug/L	83				47	122	
	2,4-Dinitrophenol	100	75.3	ug/L	75				23	143	
	4-Nitrophenol	100	85.7	ug/L	86				10	161	
	Dibenzofuran	50	43.7	ug/L	87				53	118	
	2,4-Dinitrotoluene	50	45.8	ug/L	92				57	128	
	Diethylphthalate	50	43.8	ug/L	88				56	125	
	4-Chlorophenyl-phenylether	50	44.2	ug/L	88				53	121	
	Fluorene	50	44.1	ug/L	88				52	124	
	4-Nitroaniline	50	39.9	ug/L	80				35	120	
	4,6-Dinitro-2-methylphenol	50	43.6	ug/L	87				44	137	
	N-Nitrosodiphenylamine	50	45.0	ug/L	90				51	123	
	4-Bromophenyl-phenylether	50	45.1	ug/L	90				55	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3776 **Analytical Method:** 8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BP026252.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170839BS	Hexachlorobenzene	50	45.4	ug/L	91				53	125	
	Atrazine	50	46.6	ug/L	93				44	142	
	Pentachlorophenol	100	90.2	ug/L	90				35	138	
	Phenanthrene	50	44.5	ug/L	89				59	120	
	Anthracene	50	44.8	ug/L	90				57	123	
	Carbazole	50	44.6	ug/L	89				60	122	
	Di-n-butylphthalate	50	44.9	ug/L	90				59	127	
	Fluoranthene	50	44.4	ug/L	89				57	128	
	Pyrene	50	44.1	ug/L	88				57	126	
	Butylbenzylphthalate	50	44.0	ug/L	88				53	134	
	3,3-Dichlorobenzidine	50	28.5	ug/L	57				27	129	
	Benzo(a)anthracene	50	43.0	ug/L	86				58	125	
	Chrysene	50	43.2	ug/L	86				59	123	
	bis(2-Ethylhexyl)phthalate	50	42.8	ug/L	86				55	135	
	Di-n-octyl phthalate	50	43.6	ug/L	87				51	140	
	Benzo(b)fluoranthene	50	44.3	ug/L	89				53	131	
	Benzo(k)fluoranthene	50	46.5	ug/L	93				57	129	
	Benzo(a)pyrene	50	46.0	ug/L	92				54	128	
	Indeno(1,2,3-cd)pyrene	50	46.0	ug/L	92				52	134	
	Dibenz(a,h)anthracene	50	45.8	ug/L	92				51	134	
	Benzo(g,h,i)perylene	50	45.8	ug/L	92				50	134	
	1,2,4,5-Tetrachlorobenzene	50	45.2	ug/L	90				35	121	
	1,4-Dioxane	50	35.8	ug/L	72				70	130	
	2,3,4,6-Tetrachlorophenol	50	47.6	ug/L	95				50	128	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3776 **Analytical Method:** 8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BP026253.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170839BSD	Benzaldehyde	50	28.5	ug/L	57	0			10	161	20
	Phenol	50	42.3	ug/L	85	0			10	132	20
	bis(2-Chloroethyl)ether	50	39.9	ug/L	80	1			43	118	20
	2-Chlorophenol	50	43.3	ug/L	87	1			38	117	20
	2-Methylphenol	50	42.7	ug/L	85	1			30	117	20
	2,2-oxybis(1-Chloropropane)	50	39.4	ug/L	79	1			37	130	20
	Acetophenone	50	41.9	ug/L	84	1			46	118	20
	3+4-Methylphenols	50	42.1	ug/L	84	1			29	110	20
	N-Nitroso-di-n-propylamine	50	39.7	ug/L	79	0			49	119	20
	Hexachloroethane	50	42.1	ug/L	84	1			21	115	20
	Nitrobenzene	50	42.0	ug/L	84	1			45	121	20
	Isophorone	50	41.4	ug/L	83	2			42	124	20
	2-Nitrophenol	50	45.0	ug/L	90	3			47	123	20
	2,4-Dimethylphenol	50	44.2	ug/L	88	2			31	124	20
	bis(2-Chloroethoxy)methane	50	40.6	ug/L	81	1			48	120	20
	2,4-Dichlorophenol	50	45.5	ug/L	91	2			47	121	20
	Naphthalene	50	41.7	ug/L	83	1			40	121	20
	4-Chloroaniline	50	21.7	ug/L	43	2			33	117	20
	Hexachlorobutadiene	50	44.2	ug/L	88	0			22	124	20
	Caprolactam	50	43.4	ug/L	87	4			10	161	20
	4-Chloro-3-methylphenol	50	44.6	ug/L	89	3			52	119	20
	2-Methylnaphthalene	50	38.5	ug/L	77	1			40	121	20
	Hexachlorocyclopentadiene	100	87.9	ug/L	88	0			10	155	20
	2,4,6-Trichlorophenol	50	45.6	ug/L	91	2			50	125	20
	2,4,5-Trichlorophenol	50	45.9	ug/L	92	2			53	123	20
	1,1-Biphenyl	50	43.1	ug/L	86	1			49	115	20
	2-Chloronaphthalene	50	42.3	ug/L	85	1			40	116	20
	2-Nitroaniline	50	45.1	ug/L	90	3			55	127	20
	Dimethylphthalate	50	44.1	ug/L	88	1			45	127	20
	Acenaphthylene	50	44.2	ug/L	88	1			41	130	20
	2,6-Dinitrotoluene	50	49.0	ug/L	98	3			57	124	20
	3-Nitroaniline	50	26.1	ug/L	52	1			41	128	20
	Acenaphthene	50	41.5	ug/L	83	0			47	122	20
	2,4-Dinitrophenol	100	90.5	ug/L	91	18			23	143	20
	4-Nitrophenol	100	85.9	ug/L	86	0			10	161	20
	Dibenzofuran	50	43.8	ug/L	88	0			53	118	20
	2,4-Dinitrotoluene	50	47.1	ug/L	94	3			57	128	20
	Diethylphthalate	50	44.0	ug/L	88	0			56	125	20
	4-Chlorophenyl-phenylether	50	44.1	ug/L	88	0			53	121	20
	Fluorene	50	43.9	ug/L	88	0			52	124	20
	4-Nitroaniline	50	39.7	ug/L	79	1			35	120	20
	4,6-Dinitro-2-methylphenol	50	48.0	ug/L	96	10			44	137	20
	N-Nitrosodiphenylamine	50	44.5	ug/L	89	1			51	123	20
	4-Bromophenyl-phenylether	50	44.7	ug/L	89	1			55	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3776 **Analytical Method:** 8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BP026253.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170839BSD	Hexachlorobenzene	50	45.9	ug/L	92	1			53	125	20
	Atrazine	50	47.1	ug/L	94	1			44	142	20
	Pentachlorophenol	100	93.1	ug/L	93	3			35	138	20
	Phenanthrene	50	44.5	ug/L	89	0			59	120	20
	Anthracene	50	44.2	ug/L	88	1			57	123	20
	Carbazole	50	45.1	ug/L	90	1			60	122	20
	Di-n-butylphthalate	50	45.2	ug/L	90	1			59	127	20
	Fluoranthene	50	44.1	ug/L	88	1			57	128	20
	Pyrene	50	43.8	ug/L	88	1			57	126	20
	Butylbenzylphthalate	50	44.3	ug/L	89	1			53	134	20
	3,3-Dichlorobenzidine	50	28.7	ug/L	57	1			27	129	20
	Benzo(a)anthracene	50	43.3	ug/L	87	1			58	125	20
	Chrysene	50	43.4	ug/L	87	0			59	123	20
	bis(2-Ethylhexyl)phthalate	50	43.5	ug/L	87	2			55	135	20
	Di-n-octyl phthalate	50	43.3	ug/L	87	1			51	140	20
	Benzo(b)fluoranthene	50	44.1	ug/L	88	0			53	131	20
	Benzo(k)fluoranthene	50	46.0	ug/L	92	1			57	129	20
	Benzo(a)pyrene	50	45.5	ug/L	91	1			54	128	20
	Indeno(1,2,3-cd)pyrene	50	45.4	ug/L	91	1			52	134	20
	Dibenz(a,h)anthracene	50	46.0	ug/L	92	0			51	134	20
	Benzo(g,h,i)perylene	50	45.4	ug/L	91	1			50	134	20
	1,2,4,5-Tetrachlorobenzene	50	44.5	ug/L	89	2			35	121	20
	1,4-Dioxane	50	35.9	ug/L	72	0			70	130	20
	2,3,4,6-Tetrachlorophenol	50	47.7	ug/L	95	0			50	128	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170839BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3776

Lab File ID: BP026255.D | Lab Sample ID: PB170839BL

Instrument ID: BNA_P | Date Extracted: 12/05/2025

Matrix: (soil/water) Water | Date Analyzed: 12/08/2025

Level: (low/med) LOW | Time Analyzed: 17:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170839BS	PB170839BS	BP026252.D	12/08/2025
PB170839BSD	PB170839BSD	BP026253.D	12/08/2025
IDW-RAD-20251203	Q3776-01	BP026254.D	12/08/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3776

Lab File ID: BP026142.D | DFTPP Injection Date: 11/18/2025

Instrument ID: BNA_P | DFTPP Injection Time: 13:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.1
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	88.7
443	15.0 - 24.0% of mass 442	17.3 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP026143.D	11/18/2025	14:31
SSTDICC005	SSTDICC005	BP026144.D	11/18/2025	15:12
SSTDICC010	SSTDICC010	BP026145.D	11/18/2025	15:54
SSTDICC020	SSTDICC020	BP026146.D	11/18/2025	16:35
SSTDICCC040	SSTDICCC040	BP026147.D	11/18/2025	17:57
SSTDICC050	SSTDICC050	BP026148.D	11/18/2025	18:38
SSTDICC060	SSTDICC060	BP026149.D	11/18/2025	20:00
SSTDICC080	SSTDICC080	BP026150.D	11/18/2025	21:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q3776

Lab File ID: BP026249.D | DFTPP Injection Date: 12/08/2025

Instrument ID: BNA_P | DFTPP Injection Time: 13:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	93.9
443	15.0 - 24.0% of mass 442	18.2 (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
SSTDCCC040	SSTDCCC040	BP026250.D	12/08/2025	13:44
PB170839BS	PB170839BS	BP026252.D	12/08/2025	15:06
PB170839BSD	PB170839BSD	BP026253.D	12/08/2025	15:46
IDW-RAD-20251203	Q3776-01	BP026254.D	12/08/2025	16:27
PB170839BL	PB170839BL	BP026255.D	12/08/2025	17:08
SSTDCCC040EC	SSTDCCC040	BP026256.D	12/08/2025	17:49

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3776

Client ID : SSTDCCC040 Date Analyzed: 12/08/2025

Lab File ID: BP026250.D Time Analyzed: 13:44

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	172354	7.654	649195	10.42	411240	14.28
	UPPER LIMIT	344708	8.154	1298390	10.919	822480	14.778
	LOWER LIMIT	86177	7.154	324598	9.919	205620	13.778
	EPA SAMPLE NO.						
01	PB170839BS	185542	7.65	731219	10.41	460168	14.27
02	PB170839BSD	234821	7.65	917799	10.42	585344	14.29
03	IDW-RAD-20251203	198328	7.66	770851	10.41	502453	14.28
04	PB170839BL	196288	7.65	746928	10.42	475521	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: Alliance

Lab Code: ACE SDG NO.: Q3776

Client ID: SSTDCCC040 Date Analyzed: 12/08/2025

Lab File ID: BP026250.D Time Analyzed: 13:44

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	838137	17.095	887981	21.536	1051640	24.83
	UPPER LIMIT	1676270	17.595	1775960	22.036	2103280	25.33
	LOWER LIMIT	419069	16.595	443991	21.036	525820	24.33
	EPA SAMPLE NO.						
01	PB170839BS	921617	17.07	1011500	21.52	1169350	24.81
02	PB170839BSD	1186240	17.10	1315710	21.53	1526420	24.82
03	IDW-RAD-20251203	1010060	17.08	1114890	21.53	1317700	24.81
04	PB170839BL	940783	17.09	1076570	21.53	1279350	24.82

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:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	
Client Sample ID:	PB170839BL	SDG No.:	Q3776
Lab Sample ID:	PB170839BL	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.00	U	1	3.90	8.00	10.0	ug/L	12/08/25 17:08	PB170839
108-95-2	Phenol	4.00	U	1	0.91	4.00	5.00	ug/L	12/08/25 17:08	PB170839
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.81	4.00	5.00	ug/L	12/08/25 17:08	PB170839
95-57-8	2-Chlorophenol	4.00	U	1	0.58	4.00	5.00	ug/L	12/08/25 17:08	PB170839
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.00	ug/L	12/08/25 17:08	PB170839
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.00	ug/L	12/08/25 17:08	PB170839
98-86-2	Acetophenone	4.00	U	1	0.74	4.00	5.00	ug/L	12/08/25 17:08	PB170839
65794-96-9	3+4-Methylphenols	8.00	U	1	1.10	8.00	10.0	ug/L	12/08/25 17:08	PB170839
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	12/08/25 17:08	PB170839
67-72-1	Hexachloroethane	4.00	U	1	0.65	4.00	5.00	ug/L	12/08/25 17:08	PB170839
98-95-3	Nitrobenzene	4.00	U	1	0.76	4.00	5.00	ug/L	12/08/25 17:08	PB170839
78-59-1	Isophorone	4.00	U	1	0.75	4.00	5.00	ug/L	12/08/25 17:08	PB170839
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.00	ug/L	12/08/25 17:08	PB170839
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.00	ug/L	12/08/25 17:08	PB170839
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.68	4.00	5.00	ug/L	12/08/25 17:08	PB170839
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.52	4.00	5.00	ug/L	12/08/25 17:08	PB170839
91-20-3	Naphthalene	4.00	U	1	0.50	4.00	5.00	ug/L	12/08/25 17:08	PB170839
106-47-8	4-Chloroaniline	4.00	U	1	0.84	4.00	5.00	ug/L	12/08/25 17:08	PB170839
87-68-3	Hexachlorobutadiene	4.00	U	1	0.54	4.00	5.00	ug/L	12/08/25 17:08	PB170839
105-60-2	Caprolactam	8.00	U	1	1.10	8.00	10.0	ug/L	12/08/25 17:08	PB170839
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.59	4.00	5.00	ug/L	12/08/25 17:08	PB170839
91-57-6	2-Methylnaphthalene	4.00	U	1	0.56	4.00	5.00	ug/L	12/08/25 17:08	PB170839
77-47-4	Hexachlorocyclopentadiene	8.00	U	1	3.60	8.00	10.0	ug/L	12/08/25 17:08	PB170839
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.51	4.00	5.00	ug/L	12/08/25 17:08	PB170839
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.62	4.00	5.00	ug/L	12/08/25 17:08	PB170839
92-52-4	1,1-Biphenyl	4.00	U	1	0.53	4.00	5.00	ug/L	12/08/25 17:08	PB170839
91-58-7	2-Chloronaphthalene	4.00	U	1	0.61	4.00	5.00	ug/L	12/08/25 17:08	PB170839
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.00	ug/L	12/08/25 17:08	PB170839
131-11-3	Dimethylphthalate	4.00	U	1	0.61	4.00	5.00	ug/L	12/08/25 17:08	PB170839
208-96-8	Acenaphthylene	4.00	U	1	0.75	4.00	5.00	ug/L	12/08/25 17:08	PB170839
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.92	4.00	5.00	ug/L	12/08/25 17:08	PB170839
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.00	ug/L	12/08/25 17:08	PB170839
83-32-9	Acenaphthene	4.00	U	1	0.55	4.00	5.00	ug/L	12/08/25 17:08	PB170839
51-28-5	2,4-Dinitrophenol	8.00	U	1	6.00	8.00	10.0	ug/L	12/08/25 17:08	PB170839
100-02-7	4-Nitrophenol	8.00	U	1	2.40	8.00	10.0	ug/L	12/08/25 17:08	PB170839
132-64-9	Dibenzofuran	4.00	U	1	0.61	4.00	5.00	ug/L	12/08/25 17:08	PB170839
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.00	ug/L	12/08/25 17:08	PB170839
84-66-2	Diethylphthalate	4.00	U	1	0.69	4.00	5.00	ug/L	12/08/25 17:08	PB170839
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.68	4.00	5.00	ug/L	12/08/25 17:08	PB170839
86-73-7	Fluorene	4.00	U	1	0.63	4.00	5.00	ug/L	12/08/25 17:08	PB170839
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.00	ug/L	12/08/25 17:08	PB170839
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	1	2.90	8.00	10.0	ug/L	12/08/25 17:08	PB170839

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	
Client Sample ID:	PB170839BL	SDG No.:	Q3776
Lab Sample ID:	PB170839BL	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.58	4.00	5.00	ug/L	12/08/25 17:08	PB170839
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.00	ug/L	12/08/25 17:08	PB170839
118-74-1	Hexachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	12/08/25 17:08	PB170839
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.00	ug/L	12/08/25 17:08	PB170839
87-86-5	Pentachlorophenol	8.00	U	1	1.60	8.00	10.0	ug/L	12/08/25 17:08	PB170839
85-01-8	Phenanthrene	4.00	U	1	0.50	4.00	5.00	ug/L	12/08/25 17:08	PB170839
120-12-7	Anthracene	4.00	U	1	0.61	4.00	5.00	ug/L	12/08/25 17:08	PB170839
86-74-8	Carbazole	4.00	U	1	0.72	4.00	5.00	ug/L	12/08/25 17:08	PB170839
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.00	ug/L	12/08/25 17:08	PB170839
206-44-0	Fluoranthene	4.00	U	1	0.82	4.00	5.00	ug/L	12/08/25 17:08	PB170839
129-00-0	Pyrene	4.00	U	1	0.50	4.00	5.00	ug/L	12/08/25 17:08	PB170839
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.00	ug/L	12/08/25 17:08	PB170839
91-94-1	3,3-Dichlorobenzidine	8.00	U	1	0.93	8.00	10.0	ug/L	12/08/25 17:08	PB170839
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.00	ug/L	12/08/25 17:08	PB170839
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.00	ug/L	12/08/25 17:08	PB170839
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.00	ug/L	12/08/25 17:08	PB170839
117-84-0	Di-n-octyl phthalate	8.00	U	1	2.30	8.00	10.0	ug/L	12/08/25 17:08	PB170839
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.00	ug/L	12/08/25 17:08	PB170839
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.00	ug/L	12/08/25 17:08	PB170839
50-32-8	Benzo(a)pyrene	4.00	U	1	0.55	4.00	5.00	ug/L	12/08/25 17:08	PB170839
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.59	4.00	5.00	ug/L	12/08/25 17:08	PB170839
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.67	4.00	5.00	ug/L	12/08/25 17:08	PB170839
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.69	4.00	5.00	ug/L	12/08/25 17:08	PB170839
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	12/08/25 17:08	PB170839
123-91-1	1,4-Dioxane	4.00	U	1	1.00	4.00	5.00	ug/L	12/08/25 17:08	PB170839
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.72	4.00	5.00	ug/L	12/08/25 17:08	PB170839
SURROGATES										
367-12-4	2-Fluorophenol	136			19 - 119		91%	SPK: 150		
13127-88-3	Phenol-d6	130			10 - 130		87%	SPK: 150		
4165-60-0	Nitrobenzene-d5	89.1			44 - 120		89%	SPK: 100		
321-60-8	2-Fluorobiphenyl	90.0			44 - 119		90%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	141			43 - 140		94%	SPK: 150		
1718-51-0	Terphenyl-d14	95.2			50 - 134		95%	SPK: 100		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	196000								
1146-65-2	Naphthalene-d8	747000								
15067-26-2	Acenaphthene-d10	476000								
1517-22-2	Phenanthrene-d10	941000								
1719-03-5	Chrysene-d12	1080000								
1520-96-3	Perylene-d12	1280000								

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:	
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	
Client Sample ID:	PB170839BL	SDG No.:	Q3776
Lab Sample ID:	PB170839BL	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	
Client Sample ID:	PB170839BS	SDG No.:	Q3776
Lab Sample ID:	PB170839BS	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	28.6		1	3.90	8.00	10.0	ug/L	12/08/25 15:06	PB170839
108-95-2	Phenol	42.5		1	0.91	4.00	5.00	ug/L	12/08/25 15:06	PB170839
111-44-4	bis(2-Chloroethyl)ether	40.2		1	0.81	4.00	5.00	ug/L	12/08/25 15:06	PB170839
95-57-8	2-Chlorophenol	43.8		1	0.58	4.00	5.00	ug/L	12/08/25 15:06	PB170839
95-48-7	2-Methylphenol	43.3		1	1.10	4.00	5.00	ug/L	12/08/25 15:06	PB170839
108-60-1	2,2-oxybis(1-Chloropropane)	39.8		1	1.30	4.00	5.00	ug/L	12/08/25 15:06	PB170839
98-86-2	Acetophenone	42.4		1	0.74	4.00	5.00	ug/L	12/08/25 15:06	PB170839
65794-96-9	3+4-Methylphenols	41.8		1	1.10	8.00	10.0	ug/L	12/08/25 15:06	PB170839
621-64-7	n-Nitroso-di-n-propylamine	39.7		1	1.40	2.50	2.50	ug/L	12/08/25 15:06	PB170839
67-72-1	Hexachloroethane	42.4		1	0.65	4.00	5.00	ug/L	12/08/25 15:06	PB170839
98-95-3	Nitrobenzene	42.3		1	0.76	4.00	5.00	ug/L	12/08/25 15:06	PB170839
78-59-1	Isophorone	40.6		1	0.75	4.00	5.00	ug/L	12/08/25 15:06	PB170839
88-75-5	2-Nitrophenol	43.8		1	1.80	4.00	5.00	ug/L	12/08/25 15:06	PB170839
105-67-9	2,4-Dimethylphenol	43.3		1	1.90	4.00	5.00	ug/L	12/08/25 15:06	PB170839
111-91-1	bis(2-Chloroethoxy)methane	40.1		1	0.68	4.00	5.00	ug/L	12/08/25 15:06	PB170839
120-83-2	2,4-Dichlorophenol	44.5		1	0.52	4.00	5.00	ug/L	12/08/25 15:06	PB170839
91-20-3	Naphthalene	42.1		1	0.50	4.00	5.00	ug/L	12/08/25 15:06	PB170839
106-47-8	4-Chloroaniline	22.2		1	0.84	4.00	5.00	ug/L	12/08/25 15:06	PB170839
87-68-3	Hexachlorobutadiene	44.4		1	0.54	4.00	5.00	ug/L	12/08/25 15:06	PB170839
105-60-2	Caprolactam	41.9		1	1.10	8.00	10.0	ug/L	12/08/25 15:06	PB170839
59-50-7	4-Chloro-3-methylphenol	43.4		1	0.59	4.00	5.00	ug/L	12/08/25 15:06	PB170839
91-57-6	2-Methylnaphthalene	38.0		1	0.56	4.00	5.00	ug/L	12/08/25 15:06	PB170839
77-47-4	Hexachlorocyclopentadiene	88.3	E	1	3.60	8.00	10.0	ug/L	12/08/25 15:06	PB170839
88-06-2	2,4,6-Trichlorophenol	44.8		1	0.51	4.00	5.00	ug/L	12/08/25 15:06	PB170839
95-95-4	2,4,5-Trichlorophenol	45.1		1	0.62	4.00	5.00	ug/L	12/08/25 15:06	PB170839
92-52-4	1,1-Biphenyl	43.4		1	0.53	4.00	5.00	ug/L	12/08/25 15:06	PB170839
91-58-7	2-Chloronaphthalene	42.6		1	0.61	4.00	5.00	ug/L	12/08/25 15:06	PB170839
88-74-4	2-Nitroaniline	43.8		1	1.30	4.00	5.00	ug/L	12/08/25 15:06	PB170839
131-11-3	Dimethylphthalate	43.5		1	0.61	4.00	5.00	ug/L	12/08/25 15:06	PB170839
208-96-8	Acenaphthylene	43.7		1	0.75	4.00	5.00	ug/L	12/08/25 15:06	PB170839
606-20-2	2,6-Dinitrotoluene	47.5		1	0.92	4.00	5.00	ug/L	12/08/25 15:06	PB170839
99-09-2	3-Nitroaniline	26.4		1	1.10	4.00	5.00	ug/L	12/08/25 15:06	PB170839
83-32-9	Acenaphthene	41.4		1	0.55	4.00	5.00	ug/L	12/08/25 15:06	PB170839
51-28-5	2,4-Dinitrophenol	75.3		1	6.00	8.00	10.0	ug/L	12/08/25 15:06	PB170839
100-02-7	4-Nitrophenol	85.7	E	1	2.40	8.00	10.0	ug/L	12/08/25 15:06	PB170839
132-64-9	Dibenzofuran	43.7		1	0.61	4.00	5.00	ug/L	12/08/25 15:06	PB170839
121-14-2	2,4-Dinitrotoluene	45.8		1	1.20	4.00	5.00	ug/L	12/08/25 15:06	PB170839
84-66-2	Diethylphthalate	43.8		1	0.69	4.00	5.00	ug/L	12/08/25 15:06	PB170839
7005-72-3	4-Chlorophenyl-phenylether	44.2		1	0.68	4.00	5.00	ug/L	12/08/25 15:06	PB170839
86-73-7	Fluorene	44.1		1	0.63	4.00	5.00	ug/L	12/08/25 15:06	PB170839
100-01-6	4-Nitroaniline	39.9		1	1.50	4.00	5.00	ug/L	12/08/25 15:06	PB170839
534-52-1	4,6-Dinitro-2-methylphenol	43.6		1	2.90	8.00	10.0	ug/L	12/08/25 15:06	PB170839

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	
Client Sample ID:	PB170839BS	SDG No.:	Q3776
Lab Sample ID:	PB170839BS	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	45.0		1	0.58	4.00	5.00	ug/L	12/08/25 15:06	PB170839
101-55-3	4-Bromophenyl-phenylether	45.1		1	0.40	4.00	5.00	ug/L	12/08/25 15:06	PB170839
118-74-1	Hexachlorobenzene	45.4		1	0.52	4.00	5.00	ug/L	12/08/25 15:06	PB170839
1912-24-9	Atrazine	46.6		1	1.00	4.00	5.00	ug/L	12/08/25 15:06	PB170839
87-86-5	Pentachlorophenol	90.2	E	1	1.60	8.00	10.0	ug/L	12/08/25 15:06	PB170839
85-01-8	Phenanthrene	44.5		1	0.50	4.00	5.00	ug/L	12/08/25 15:06	PB170839
120-12-7	Anthracene	44.8		1	0.61	4.00	5.00	ug/L	12/08/25 15:06	PB170839
86-74-8	Carbazole	44.6		1	0.72	4.00	5.00	ug/L	12/08/25 15:06	PB170839
84-74-2	Di-n-butylphthalate	44.9		1	1.20	4.00	5.00	ug/L	12/08/25 15:06	PB170839
206-44-0	Fluoranthene	44.4		1	0.82	4.00	5.00	ug/L	12/08/25 15:06	PB170839
129-00-0	Pyrene	44.1		1	0.50	4.00	5.00	ug/L	12/08/25 15:06	PB170839
85-68-7	Butylbenzylphthalate	44.0		1	1.90	4.00	5.00	ug/L	12/08/25 15:06	PB170839
91-94-1	3,3-Dichlorobenzidine	28.5		1	0.93	8.00	10.0	ug/L	12/08/25 15:06	PB170839
56-55-3	Benzo(a)anthracene	43.0		1	0.45	4.00	5.00	ug/L	12/08/25 15:06	PB170839
218-01-9	Chrysene	43.2		1	0.44	4.00	5.00	ug/L	12/08/25 15:06	PB170839
117-81-7	Bis(2-ethylhexyl)phthalate	42.8		1	1.60	4.00	5.00	ug/L	12/08/25 15:06	PB170839
117-84-0	Di-n-octyl phthalate	43.6		1	2.30	8.00	10.0	ug/L	12/08/25 15:06	PB170839
205-99-2	Benzo(b)fluoranthene	44.3		1	0.49	4.00	5.00	ug/L	12/08/25 15:06	PB170839
207-08-9	Benzo(k)fluoranthene	46.5		1	0.48	4.00	5.00	ug/L	12/08/25 15:06	PB170839
50-32-8	Benzo(a)pyrene	46.0		1	0.55	4.00	5.00	ug/L	12/08/25 15:06	PB170839
193-39-5	Indeno(1,2,3-cd)pyrene	46.0		1	0.59	4.00	5.00	ug/L	12/08/25 15:06	PB170839
53-70-3	Dibenzo(a,h)anthracene	45.8		1	0.67	4.00	5.00	ug/L	12/08/25 15:06	PB170839
191-24-2	Benzo(g,h,i)perylene	45.8		1	0.69	4.00	5.00	ug/L	12/08/25 15:06	PB170839
95-94-3	1,2,4,5-Tetrachlorobenzene	45.2		1	0.52	4.00	5.00	ug/L	12/08/25 15:06	PB170839
123-91-1	1,4-Dioxane	35.8		1	1.00	4.00	5.00	ug/L	12/08/25 15:06	PB170839
58-90-2	2,3,4,6-Tetrachlorophenol	47.6		1	0.72	4.00	5.00	ug/L	12/08/25 15:06	PB170839
SURROGATES										
367-12-4	2-Fluorophenol	125			19 - 119		83%	SPK: 150		
13127-88-3	Phenol-d6	122			10 - 130		81%	SPK: 150		
4165-60-0	Nitrobenzene-d5	80.6			44 - 120		81%	SPK: 100		
321-60-8	2-Fluorobiphenyl	82.5			44 - 119		83%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	134			43 - 140		89%	SPK: 150		
1718-51-0	Terphenyl-d14	88.2			50 - 134		88%	SPK: 100		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	186000								
1146-65-2	Naphthalene-d8	731000								
15067-26-2	Acenaphthene-d10	460000								
1517-22-2	Phenanthrene-d10	922000								
1719-03-5	Chrysene-d12	1010000								
1520-96-3	Perylene-d12	1170000								

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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WA194808 Dahlgren VA - DOD VELAP			Date Received:	
Client Sample ID:	PB170839BS			SDG No.:	Q3776
Lab Sample ID:	PB170839BS			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	
Client Sample ID:	PB170839BSD	SDG No.:	Q3776
Lab Sample ID:	PB170839BSD	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	28.5		1	3.90	8.00	10.0	ug/L	12/08/25 15:46	PB170839
108-95-2	Phenol	42.3		1	0.91	4.00	5.00	ug/L	12/08/25 15:46	PB170839
111-44-4	bis(2-Chloroethyl)ether	39.9		1	0.81	4.00	5.00	ug/L	12/08/25 15:46	PB170839
95-57-8	2-Chlorophenol	43.3		1	0.58	4.00	5.00	ug/L	12/08/25 15:46	PB170839
95-48-7	2-Methylphenol	42.7		1	1.10	4.00	5.00	ug/L	12/08/25 15:46	PB170839
108-60-1	2,2-oxybis(1-Chloropropane)	39.4		1	1.30	4.00	5.00	ug/L	12/08/25 15:46	PB170839
98-86-2	Acetophenone	41.9		1	0.74	4.00	5.00	ug/L	12/08/25 15:46	PB170839
65794-96-9	3+4-Methylphenols	42.1		1	1.10	8.00	10.0	ug/L	12/08/25 15:46	PB170839
621-64-7	n-Nitroso-di-n-propylamine	39.7		1	1.40	2.50	2.50	ug/L	12/08/25 15:46	PB170839
67-72-1	Hexachloroethane	42.1		1	0.65	4.00	5.00	ug/L	12/08/25 15:46	PB170839
98-95-3	Nitrobenzene	42.0		1	0.76	4.00	5.00	ug/L	12/08/25 15:46	PB170839
78-59-1	Isophorone	41.4		1	0.75	4.00	5.00	ug/L	12/08/25 15:46	PB170839
88-75-5	2-Nitrophenol	45.0		1	1.80	4.00	5.00	ug/L	12/08/25 15:46	PB170839
105-67-9	2,4-Dimethylphenol	44.2		1	1.90	4.00	5.00	ug/L	12/08/25 15:46	PB170839
111-91-1	bis(2-Chloroethoxy)methane	40.6		1	0.68	4.00	5.00	ug/L	12/08/25 15:46	PB170839
120-83-2	2,4-Dichlorophenol	45.5		1	0.52	4.00	5.00	ug/L	12/08/25 15:46	PB170839
91-20-3	Naphthalene	41.7		1	0.50	4.00	5.00	ug/L	12/08/25 15:46	PB170839
106-47-8	4-Chloroaniline	21.7		1	0.84	4.00	5.00	ug/L	12/08/25 15:46	PB170839
87-68-3	Hexachlorobutadiene	44.2		1	0.54	4.00	5.00	ug/L	12/08/25 15:46	PB170839
105-60-2	Caprolactam	43.4		1	1.10	8.00	10.0	ug/L	12/08/25 15:46	PB170839
59-50-7	4-Chloro-3-methylphenol	44.6		1	0.59	4.00	5.00	ug/L	12/08/25 15:46	PB170839
91-57-6	2-Methylnaphthalene	38.5		1	0.56	4.00	5.00	ug/L	12/08/25 15:46	PB170839
77-47-4	Hexachlorocyclopentadiene	87.9	E	1	3.60	8.00	10.0	ug/L	12/08/25 15:46	PB170839
88-06-2	2,4,6-Trichlorophenol	45.6		1	0.51	4.00	5.00	ug/L	12/08/25 15:46	PB170839
95-95-4	2,4,5-Trichlorophenol	45.9		1	0.62	4.00	5.00	ug/L	12/08/25 15:46	PB170839
92-52-4	1,1-Biphenyl	43.1		1	0.53	4.00	5.00	ug/L	12/08/25 15:46	PB170839
91-58-7	2-Chloronaphthalene	42.3		1	0.61	4.00	5.00	ug/L	12/08/25 15:46	PB170839
88-74-4	2-Nitroaniline	45.1		1	1.30	4.00	5.00	ug/L	12/08/25 15:46	PB170839
131-11-3	Dimethylphthalate	44.1		1	0.61	4.00	5.00	ug/L	12/08/25 15:46	PB170839
208-96-8	Acenaphthylene	44.2		1	0.75	4.00	5.00	ug/L	12/08/25 15:46	PB170839
606-20-2	2,6-Dinitrotoluene	49.0		1	0.92	4.00	5.00	ug/L	12/08/25 15:46	PB170839
99-09-2	3-Nitroaniline	26.1		1	1.10	4.00	5.00	ug/L	12/08/25 15:46	PB170839
83-32-9	Acenaphthene	41.5		1	0.55	4.00	5.00	ug/L	12/08/25 15:46	PB170839
51-28-5	2,4-Dinitrophenol	90.5	E	1	6.00	8.00	10.0	ug/L	12/08/25 15:46	PB170839
100-02-7	4-Nitrophenol	85.9	E	1	2.40	8.00	10.0	ug/L	12/08/25 15:46	PB170839
132-64-9	Dibenzofuran	43.8		1	0.61	4.00	5.00	ug/L	12/08/25 15:46	PB170839
121-14-2	2,4-Dinitrotoluene	47.1		1	1.20	4.00	5.00	ug/L	12/08/25 15:46	PB170839
84-66-2	Diethylphthalate	44.0		1	0.69	4.00	5.00	ug/L	12/08/25 15:46	PB170839
7005-72-3	4-Chlorophenyl-phenylether	44.1		1	0.68	4.00	5.00	ug/L	12/08/25 15:46	PB170839
86-73-7	Fluorene	43.9		1	0.63	4.00	5.00	ug/L	12/08/25 15:46	PB170839
100-01-6	4-Nitroaniline	39.7		1	1.50	4.00	5.00	ug/L	12/08/25 15:46	PB170839
534-52-1	4,6-Dinitro-2-methylphenol	48.0		1	2.90	8.00	10.0	ug/L	12/08/25 15:46	PB170839

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:	
Project:	CTO WA194808 Dahlgren VA - DOD VELAP	Date Received:	
Client Sample ID:	PB170839BSD	SDG No.:	Q3776
Lab Sample ID:	PB170839BSD	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C Prep Date: 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	44.5		1	0.58	4.00	5.00	ug/L	12/08/25 15:46	PB170839
101-55-3	4-Bromophenyl-phenylether	44.7		1	0.40	4.00	5.00	ug/L	12/08/25 15:46	PB170839
118-74-1	Hexachlorobenzene	45.9		1	0.52	4.00	5.00	ug/L	12/08/25 15:46	PB170839
1912-24-9	Atrazine	47.1		1	1.00	4.00	5.00	ug/L	12/08/25 15:46	PB170839
87-86-5	Pentachlorophenol	93.1	E	1	1.60	8.00	10.0	ug/L	12/08/25 15:46	PB170839
85-01-8	Phenanthrene	44.5		1	0.50	4.00	5.00	ug/L	12/08/25 15:46	PB170839
120-12-7	Anthracene	44.2		1	0.61	4.00	5.00	ug/L	12/08/25 15:46	PB170839
86-74-8	Carbazole	45.1		1	0.72	4.00	5.00	ug/L	12/08/25 15:46	PB170839
84-74-2	Di-n-butylphthalate	45.2		1	1.20	4.00	5.00	ug/L	12/08/25 15:46	PB170839
206-44-0	Fluoranthene	44.1		1	0.82	4.00	5.00	ug/L	12/08/25 15:46	PB170839
129-00-0	Pyrene	43.8		1	0.50	4.00	5.00	ug/L	12/08/25 15:46	PB170839
85-68-7	Butylbenzylphthalate	44.3		1	1.90	4.00	5.00	ug/L	12/08/25 15:46	PB170839
91-94-1	3,3-Dichlorobenzidine	28.7		1	0.93	8.00	10.0	ug/L	12/08/25 15:46	PB170839
56-55-3	Benzo(a)anthracene	43.3		1	0.45	4.00	5.00	ug/L	12/08/25 15:46	PB170839
218-01-9	Chrysene	43.4		1	0.44	4.00	5.00	ug/L	12/08/25 15:46	PB170839
117-81-7	Bis(2-ethylhexyl)phthalate	43.5		1	1.60	4.00	5.00	ug/L	12/08/25 15:46	PB170839
117-84-0	Di-n-octyl phthalate	43.3		1	2.30	8.00	10.0	ug/L	12/08/25 15:46	PB170839
205-99-2	Benzo(b)fluoranthene	44.1		1	0.49	4.00	5.00	ug/L	12/08/25 15:46	PB170839
207-08-9	Benzo(k)fluoranthene	46.0		1	0.48	4.00	5.00	ug/L	12/08/25 15:46	PB170839
50-32-8	Benzo(a)pyrene	45.5		1	0.55	4.00	5.00	ug/L	12/08/25 15:46	PB170839
193-39-5	Indeno(1,2,3-cd)pyrene	45.4		1	0.59	4.00	5.00	ug/L	12/08/25 15:46	PB170839
53-70-3	Dibenzo(a,h)anthracene	46.0		1	0.67	4.00	5.00	ug/L	12/08/25 15:46	PB170839
191-24-2	Benzo(g,h,i)perylene	45.4		1	0.69	4.00	5.00	ug/L	12/08/25 15:46	PB170839
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5		1	0.52	4.00	5.00	ug/L	12/08/25 15:46	PB170839
123-91-1	1,4-Dioxane	35.9		1	1.00	4.00	5.00	ug/L	12/08/25 15:46	PB170839
58-90-2	2,3,4,6-Tetrachlorophenol	47.7		1	0.72	4.00	5.00	ug/L	12/08/25 15:46	PB170839
SURROGATES										
367-12-4	2-Fluorophenol	124			19 - 119		82%	SPK: 150		
13127-88-3	Phenol-d6	120			10 - 130		80%	SPK: 150		
4165-60-0	Nitrobenzene-d5	79.9			44 - 120		80%	SPK: 100		
321-60-8	2-Fluorobiphenyl	81.8			44 - 119		82%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	137			43 - 140		91%	SPK: 150		
1718-51-0	Terphenyl-d14	85.6			50 - 134		86%	SPK: 100		
INTERNAL STANDARDS		**Area Count**								
3855-82-1	1,4-Dichlorobenzene-d4	235000								
1146-65-2	Naphthalene-d8	918000								
15067-26-2	Acenaphthene-d10	585000								
1517-22-2	Phenanthrene-d10	1190000								
1719-03-5	Chrysene-d12	1320000								
1520-96-3	Perylene-d12	1530000								

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	CTO WA194808 Dahlgren VA - DOD VELAP			Date Received:	
Client Sample ID:	PB170839BSD			SDG No.:	Q3776
Lab Sample ID:	PB170839BSD			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date:	12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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-BP111825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 15 01:38:31 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP026143.D 5 =BP026144.D 10 =BP026145.D 20 =BP026146.D 40 =BP026147.D 50 =BP026148.D 60 =BP026149.D 80 =BP0261
50.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.507	0.520	0.524	0.490	0.502	0.505	0.494	0.506	2.46
3)		Pyridine		1.401	1.459	1.510	1.391	1.485	1.466	1.458	1.453	2.96
4)		n-Nitrosodimet...			0.535	0.560	0.515	0.552	0.549	0.540	0.542	2.93
5)	S	2-Fluorophenol		1.193	1.249	1.277	1.231	1.255	1.258	1.245	1.244	2.14
6)		Aniline		1.953	2.050	2.154	1.885	2.138	2.127	2.117	2.061	5.04
7)	S	Phenol-d6		1.465	1.564	1.623	1.505	1.632	1.606	1.596	1.570	4.02
8)		2-Chlorophenol		1.318	1.398	1.438	1.398	1.452	1.439	1.453	1.414	3.40
9)		Benzaldehyde			0.963	0.899	1.014	0.719	0.812	0.673	0.847	16.00
10)	C	Phenol		1.570	1.658	1.757	1.608	1.759	1.742	1.729	1.689	4.58
11)		bis(2-Chloroet...		1.252	1.334	1.368	1.265	1.363	1.338	1.350	1.324	3.54
12)		1,3-Dichlorobe...		1.511	1.526	1.570	1.537	1.528	1.518	1.518	1.530	1.29
13)	C	1,4-Dichlorobe...		1.495	1.547	1.589	1.552	1.546	1.532	1.530	1.541	1.83
14)		1,2-Dichlorobe...		1.453	1.482	1.521	1.487	1.480	1.470	1.464	1.480	1.47
15)		Benzyl Alcohol			1.074	1.181	1.064	1.194	1.164	1.173	1.142	5.01
16)		2,2'-oxybis(1-...		1.769	1.841	1.961	1.699	1.924	1.852	1.892	1.848	4.89
17)		2-Methylphenol		1.067	1.126	1.191	1.077	1.202	1.180	1.182	1.146	4.92
18)		Hexachloroethane		0.527	0.559	0.569	0.562	0.565	0.557	0.581	0.560	2.98
19)	P	n-Nitroso-di-n...	0.937	0.899	0.960	1.063	0.884	1.039	0.975	0.986	0.968	6.44
20)		3+4-Methylphenols			1.530	1.656	1.450	1.648	1.601	1.613	1.583	5.00
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.497	0.521	0.530	0.499	0.504	0.507	0.493	0.507	2.67
23)	S	Nitrobenzene-d5		0.335	0.357	0.362	0.350	0.351	0.355	0.349	0.351	2.37
24)		Nitrobenzene		0.339	0.356	0.368	0.352	0.357	0.360	0.354	0.355	2.51
25)		Isophorone		0.655	0.693	0.736	0.649	0.710	0.686	0.697	0.689	4.37
26)	C	2-Nitrophenol		0.152	0.164	0.182	0.184	0.189	0.192	0.193	0.180	8.72
27)		2,4-Dimethylph...		0.305	0.327	0.337	0.278	0.328	0.327	0.323	0.318	6.31
28)		bis(2-Chloroet...		0.425	0.439	0.454	0.411	0.442	0.426	0.436	0.433	3.19
29)	C	2,4-Dichloroph...		0.298	0.322	0.335	0.325	0.330	0.330	0.328	0.324	3.73
30)		1,2,4-Trichlor...		0.331	0.337	0.337	0.346	0.325	0.328	0.328	0.333	2.16
31)		Naphthalene		1.080	1.114	1.115	1.075	1.073	1.059	1.052	1.081	2.29
32)		Benzoic acid			0.209	0.268	0.162	0.276	0.329	0.285	0.255	23.37
33)		4-Chloroaniline		0.429	0.461	0.479	0.425	0.463	0.458	0.457	0.453	4.30
34)	C	Hexachlorobuta...		0.213	0.218	0.219	0.231	0.211	0.212	0.219	0.217	3.17
35)		Caprolactam			0.113	0.123	0.106	0.118	0.114	0.113	0.114	4.96
36)	C	4-Chloro-3-met...		0.314	0.342	0.366	0.323	0.356	0.344	0.342	0.341	5.21
37)		2-Methylnaphth...		0.732	0.791	0.804	0.743	0.773	0.746	0.744	0.762	3.64
38)		1-Methylnaphth...		0.735	0.767	0.785	0.731	0.746	0.729	0.719	0.744	3.18

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.607	0.610	0.613	0.637	0.594	0.610	0.603	0.611	2.18
41)	P	Hexachlorocycl...		0.347	0.382	0.306	0.396	0.418	0.436	0.381	12.53
42)	S	2,4,6-Tribromo...	0.241	0.253	0.273	0.269	0.262	0.260	0.262	0.260	4.04
43)	C	2,4,6-Trichlor...	0.380	0.404	0.431	0.422	0.420	0.426	0.420	0.415	4.24
44)		2,4,5-Trichlor...	0.428	0.454	0.482	0.462	0.469	0.473	0.468	0.462	3.71
45)	S	2-Fluorobiphenyl	1.430	1.442	1.453	1.414	1.317	1.325	1.249	1.376	5.70
46)		1,1'-Biphenyl	1.499	1.540	1.580	1.519	1.469	1.504	1.460	1.510	2.74
47)		2-Chloronaphth...	1.167	1.215	1.217	1.208	1.164	1.195	1.162	1.190	2.07
48)		2-Nitroaniline	0.289	0.310	0.345	0.314	0.336	0.349	0.339	0.326	6.75
49)		Acenaphthylene	1.890	1.987	2.051	1.941	1.943	1.951	1.906	1.953	2.75
50)		Dimethylphthalate	1.470	1.517	1.573	1.469	1.470	1.470	1.462	1.490	2.74
51)		2,6-Dinitrotol...	0.235	0.267	0.310	0.305	0.312	0.313	0.319	0.295	10.63
52)	C	Acenaphthene	1.139	1.182	1.180	1.117	1.141	1.153	1.081	1.142	3.10
53)		3-Nitroaniline	0.286	0.330	0.368	0.332	0.364	0.368	0.362	0.344	8.81
54)	P	2,4-Dinitrophenol		0.124	0.174	0.056	0.187	0.194	0.208	0.157	36.56
55)		Dibenzofuran	1.779	1.832	1.880	1.782	1.763	1.738	1.654	1.776	4.01
56)	P	4-Nitrophenol		0.290	0.331	0.269	0.314	0.324	0.317	0.307	7.70
57)		2,4-Dinitrotol...	0.362	0.407	0.469	0.440	0.464	0.465	0.459	0.438	9.14
58)		Fluorene	1.447	1.490	1.500	1.403	1.374	1.351	1.267	1.405	5.89
59)		2,3,4,6-Tetrac...	0.361	0.391	0.409	0.390	0.397	0.396	0.394	0.391	3.73
60)		Diethylphthalate	1.493	1.507	1.592	1.452	1.493	1.462	1.465	1.495	3.16
61)		4-Chlorophenyl...	0.718	0.717	0.741	0.714	0.691	0.673	0.648	0.700	4.53
62)		4-Nitroaniline	0.313	0.359	0.394	0.333	0.368	0.376	0.358	0.357	7.59
63)		Azobenzene	1.200	1.276	1.346	1.206	1.279	1.252	1.240	1.257	3.96
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.123	0.081	0.132	0.134	0.141	0.118	19.93
66)	c	n-Nitrosodiphe...	0.598	0.640	0.641	0.622	0.610	0.609	0.610	0.618	2.68
67)		4-Bromophenyl-...	0.208	0.219	0.223	0.231	0.221	0.221	0.229	0.222	3.43
68)		Hexachlorobenzene	0.243	0.260	0.260	0.269	0.255	0.254	0.263	0.258	3.27
69)		Atrazine	0.217	0.232	0.247	0.232	0.233	0.229	0.237	0.233	3.86
70)	C	Pentachlorophenol		0.170	0.179	0.177	0.179	0.180	0.187	0.179	3.20
71)		Phenanthrene	1.128	1.179	1.179	1.128	1.102	1.089	1.087	1.127	3.43
72)		Anthracene	1.122	1.194	1.198	1.166	1.122	1.134	1.102	1.148	3.29
73)		Carbazole	1.083	1.178	1.151	1.075	1.045	1.050	1.030	1.087	5.16
74)		Di-n-butylphth...	1.219	1.290	1.372	1.292	1.304	1.223	1.290	1.284	4.05
75)	C	Fluoranthene	1.383	1.464	1.452	1.392	1.308	1.319	1.287	1.372	5.12
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.727	0.733	0.575	0.631	0.594	0.508	0.628	14.11
78)		Pyrene	1.266	1.318	1.375	1.275	1.309	1.302	1.277	1.303	2.85
79)	S	Terphenyl-d14	1.024	1.037	1.061	0.974	0.971	0.918	0.866	0.979	7.08
80)		Butylbenzylpht...	0.546	0.552	0.612	0.564	0.588	0.555	0.587	0.572	4.24
81)		Benzo(a)anthra...	1.373	1.401	1.437	1.364	1.349	1.350	1.328	1.372	2.66
82)		3,3'-Dichlorob...		0.513	0.526	0.498	0.492	0.491	0.475	0.499	3.61
83)		Chrysene	1.298	1.336	1.341	1.316	1.266	1.279	1.257	1.299	2.57
84)		Bis(2-ethylhex...	0.842	0.825	0.918	0.836	0.876	0.814	0.911	0.860	4.84
85)	c	Di-n-octyl pht...		1.414	1.572	1.510	1.553	1.467	1.584	1.517	4.37

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP111825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.442	1.484	1.538	1.592	1.483	1.531	1.511	1.512	3.20
88)		Benzo(b)fluora...	1.190	1.226	1.271	1.220	1.222	1.200	1.180	1.215	2.48
89)		Benzo(k)fluora...	1.206	1.228	1.275	1.209	1.213	1.192	1.189	1.216	2.39
90)	C	Benzo(a)pyrene	1.121	1.153	1.198	1.160	1.147	1.146	1.142	1.153	2.05
91)		Dibenzo(a,h)an...	1.177	1.220	1.274	1.296	1.209	1.245	1.232	1.236	3.24
92)		Benzo(g,h,i)pe...	1.175	1.230	1.253	1.307	1.185	1.244	1.234	1.232	3.58

(#) = Out of Range

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3776

Instrument ID: BNA_P Calibration Date/Time: 12/08/2025 13:44

Lab File ID: BP026250.D Init. Calib. Date(s): 11/18/2025 11/18/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:31 21:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.246	1.241		-0.4	
Benzaldehyde	0.831	1.079		29.8	
Phenol-d6	1.586	1.512		-4.7	
Phenol	1.709	1.618		-5.3	20.0
bis(2-Chloroethyl)ether	1.338	1.250		-6.6	
2-Chlorophenol	1.418	1.388		-2.1	
2-Methylphenol	1.163	1.106		-4.9	
2,2-oxybis(1-Chloropropane)	1.879	1.716		-8.7	
Acetophenone	0.508	0.525		3.3	
3+4-Methylphenols	1.612	1.485		-7.9	
n-Nitroso-di-n-propylamine	0.985	0.920	0.050	-6.6	
Nitrobenzene-d5	0.352	0.367		4.3	
Hexachloroethane	0.560	0.581		3.8	
Nitrobenzene	0.356	0.369		3.7	
Isophorone	0.698	0.703		0.7	
2-Nitrophenol	0.180	0.192		6.7	20.0
2,4-Dimethylphenol	0.325	0.309		-4.9	
bis(2-Chloroethoxy)methane	0.437	0.430		-1.6	
2,4-Dichlorophenol	0.325	0.342		5.2	20.0
Naphthalene	1.081	1.123		3.9	
4-Chloroaniline	0.460	0.459		-0.2	
Hexachlorobutadiene	0.215	0.241		12.1	20.0
Caprolactam	0.116	0.114		-1.7	
4-Chloro-3-methylphenol	0.345	0.349		1.2	20.0
2-Methylnaphthalene	0.766	0.789		3.0	
Hexachlorocyclopentadiene	0.396	0.408	0.050	3.0	
2,4,6-Trichlorophenol	0.415	0.439		5.8	20.0
2-Fluorobiphenyl	1.365	1.492		9.3	
2,4,5-Trichlorophenol	0.463	0.487		5.2	
1,1-Biphenyl	1.506	1.539		2.2	
2-Chloronaphthalene	1.184	1.242		4.9	
2-Nitroaniline	0.329	0.334		1.5	
Dimethylphthalate	1.494	1.554		4.0	
Acenaphthylene	1.953	2.058		5.4	
2,6-Dinitrotoluene	0.296	0.312		5.4	
3-Nitroaniline	0.349	0.340		-2.6	
Acenaphthene	1.145	1.164		1.7	20.0
2,4-Dinitrophenol	0.179	0.163	0.050	-8.9	
4-Nitrophenol	0.315	0.278	0.050	-11.7	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3776

Instrument ID: BNA_P Calibration Date/Time: 12/08/2025 13:44

Lab File ID: BP026250.D Init. Calib. Date(s): 11/18/2025 11/18/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:31 21:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.773	1.884		6.3	
2,4-Dinitrotoluene	0.442	0.469		6.1	
Diethylphthalate	1.505	1.567		4.1	
4-Chlorophenyl-phenylether	0.697	0.759		8.9	
Fluorene	1.401	1.512		7.9	
4-Nitroaniline	0.362	0.357		-1.4	
4,6-Dinitro-2-methylphenol	0.127	0.125		-1.6	
n-Nitrosodiphenylamine	0.619	0.650		5.0	20.0
2,4,6-Tribromophenol	0.259	0.288		11.2	
4-Bromophenyl-phenylether	0.221	0.238		7.7	
Hexachlorobenzene	0.257	0.284		10.5	
Atrazine	0.233	0.239		2.6	
Pentachlorophenol	0.180	0.184		2.2	20.0
Phenanthrene	1.127	1.191		5.7	
Anthracene	1.149	1.203		4.7	
Carbazole	1.091	1.105		1.3	
Di-n-butylphthalate	1.294	1.383		6.9	
Fluoranthene	1.369	1.447		5.7	20.0
Pyrene	1.311	1.394		6.3	
Terphenyl-d14	0.981	1.110		13.1	
Butylbenzylphthalate	0.578	0.605		4.7	
3,3-Dichlorobenzidine	0.500	0.511		2.2	
Benzo(a)anthracene	1.374	1.425		3.7	
Chrysene	1.295	1.355		4.6	
Bis(2-ethylhexyl)phthalate	0.874	0.907		3.8	
Di-n-octyl phthalate	1.529	1.601		4.7	20.0
Benzo(b)fluoranthene	1.218	1.224		0.5	
Benzo(k)fluoranthene	1.217	1.267		4.1	
Benzo(a)pyrene	1.154	1.195		3.6	20.0
Indeno(1,2,3-cd)pyrene	1.500	1.568		4.5	
Dibenzo(a,h)anthracene	1.228	1.284		4.6	
Benzo(g,h,i)perylene	1.220	1.272		4.3	
1,2,4,5-Tetrachlorobenzene	0.605	0.653		7.9	
1,4-Dioxane	0.505	0.529		4.8	20.0
2,3,4,6-Tetrachlorophenol	0.393	0.419		6.6	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3776

Instrument ID: BNA_P Calibration Date/Time: 12/08/2025 17:49

Lab File ID: BP026256.D Init. Calib. Date(s): 11/18/2025 11/18/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 14:31 21:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.246	1.259		1.0	50.0
Benzaldehyde	0.831	1.058		27.3	50.0
Phenol-d6	1.586	1.518		-4.3	50.0
Phenol	1.709	1.615		-5.5	50.0
bis(2-Chloroethyl)ether	1.338	1.268		-5.2	50.0
2-Chlorophenol	1.418	1.414		-0.3	50.0
2-Methylphenol	1.163	1.109		-4.6	50.0
2,2-oxybis(1-Chloropropane)	1.879	1.787		-4.9	50.0
Acetophenone	0.508	0.522		2.8	50.0
3+4-Methylphenols	1.612	1.501		-6.9	50.0
n-Nitroso-di-n-propylamine	0.985	0.929	0.050	-5.7	50.0
Nitrobenzene-d5	0.352	0.371		5.4	50.0
Hexachloroethane	0.560	0.599		7.0	50.0
Nitrobenzene	0.356	0.371		4.2	50.0
Isophorone	0.698	0.719		3.0	50.0
2-Nitrophenol	0.180	0.196		8.9	50.0
2,4-Dimethylphenol	0.325	0.314		-3.4	50.0
bis(2-Chloroethoxy)methane	0.437	0.439		0.5	50.0
2,4-Dichlorophenol	0.325	0.344		5.8	50.0
Naphthalene	1.081	1.124		4.0	50.0
4-Chloroaniline	0.460	0.459		-0.2	50.0
Hexachlorobutadiene	0.215	0.243		13.0	50.0
Caprolactam	0.116	0.116		0.0	50.0
4-Chloro-3-methylphenol	0.345	0.356		3.2	50.0
2-Methylnaphthalene	0.766	0.792		3.4	50.0
Hexachlorocyclopentadiene	0.396	0.411	0.050	3.8	50.0
2,4,6-Trichlorophenol	0.415	0.445		7.2	50.0
2-Fluorobiphenyl	1.365	1.480		8.4	50.0
2,4,5-Trichlorophenol	0.463	0.494		6.7	50.0
1,1-Biphenyl	1.506	1.556		3.3	50.0
2-Chloronaphthalene	1.184	1.236		4.4	50.0
2-Nitroaniline	0.329	0.342		4.0	50.0
Dimethylphthalate	1.494	1.573		5.3	50.0
Acenaphthylene	1.953	2.045		4.7	50.0
2,6-Dinitrotoluene	0.296	0.324		9.5	50.0
3-Nitroaniline	0.349	0.345		-1.1	50.0
Acenaphthene	1.145	1.168		2.0	50.0
2,4-Dinitrophenol	0.179	0.207	0.050	15.6	50.0
4-Nitrophenol	0.315	0.289	0.050	-8.3	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q3776

Instrument ID: BNA_P Calibration Date/Time: 12/08/2025 17:49

Lab File ID: BP026256.D Init. Calib. Date(s): 11/18/2025 11/18/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 14:31 21:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.773	1.867		5.3	50.0
2,4-Dinitrotoluene	0.442	0.469		6.1	50.0
Diethylphthalate	1.505	1.570		4.3	50.0
4-Chlorophenyl-phenylether	0.697	0.748		7.3	50.0
Fluorene	1.401	1.494		6.6	50.0
4-Nitroaniline	0.362	0.339		-6.4	50.0
4,6-Dinitro-2-methylphenol	0.127	0.142		11.8	50.0
n-Nitrosodiphenylamine	0.619	0.654		5.7	50.0
2,4,6-Tribromophenol	0.259	0.287		10.8	50.0
4-Bromophenyl-phenylether	0.221	0.244		10.4	50.0
Hexachlorobenzene	0.257	0.287		11.7	50.0
Atrazine	0.233	0.248		6.4	50.0
Pentachlorophenol	0.180	0.193		7.2	50.0
Phenanthrene	1.127	1.175		4.3	50.0
Anthracene	1.149	1.208		5.1	50.0
Carbazole	1.091	1.101		0.9	50.0
Di-n-butylphthalate	1.294	1.410		9.0	50.0
Fluoranthene	1.369	1.450		5.9	50.0
Pyrene	1.311	1.381		5.3	50.0
Terphenyl-d14	0.981	1.086		10.7	50.0
Butylbenzylphthalate	0.578	0.616		6.6	50.0
3,3-Dichlorobenzidine	0.500	0.514		2.8	50.0
Benzo(a)anthracene	1.374	1.404		2.2	50.0
Chrysene	1.295	1.363		5.3	50.0
Bis(2-ethylhexyl)phthalate	0.874	0.926		5.9	50.0
Di-n-octyl phthalate	1.529	1.660		8.6	50.0
Benzo(b)fluoranthene	1.218	1.291		6.0	50.0
Benzo(k)fluoranthene	1.217	1.268		4.2	50.0
Benzo(a)pyrene	1.154	1.209		4.8	50.0
Indeno(1,2,3-cd)pyrene	1.500	1.593		6.2	50.0
Dibenzo(a,h)anthracene	1.228	1.296		5.5	50.0
Benzo(g,h,i)perylene	1.220	1.308		7.2	50.0
1,2,4,5-Tetrachlorobenzene	0.605	0.653		7.9	50.0
1,4-Dioxane	0.505	0.547		8.3	50.0
2,3,4,6-Tetrachlorophenol	0.393	0.417		6.1	50.0

All other compounds must meet a minimum RRF of 0.010.