Alliance TECHNICAL GROUP
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:	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

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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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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