

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	12/09/25
Project:	R37092		Date Received:	12/11/25
Client Sample ID:	C0AN5		SDG No.:	Q3839
Lab Sample ID:	Q3839-09		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	71.9
Sample Wt/Vol:	30.09 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 12/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	220	U	1	220	460	ug/Kg	12/12/25 19:07	PB170916
108-95-2	Phenol	30.6	U	1	30.6	240	ug/Kg	12/12/25 19:07	PB170916
111-44-4	bis(2-Chloroethyl)ether	33.7	U	1	33.7	240	ug/Kg	12/12/25 19:07	PB170916
95-57-8	2-Chlorophenol	33.8	U	1	33.8	240	ug/Kg	12/12/25 19:07	PB170916
95-48-7	2-Methylphenol	41.5	U	1	41.5	240	ug/Kg	12/12/25 19:07	PB170916
108-60-1	2,2-oxybis(1-Chloropropane)	52.0	U	1	52.0	240	ug/Kg	12/12/25 19:07	PB170916
98-86-2	Acetophenone	40.9	U	1	40.9	240	ug/Kg	12/12/25 19:07	PB170916
65794-96-9	3+4-Methylphenols	120	J	1	57.0	460	ug/Kg	12/12/25 19:07	PB170916
621-64-7	n-Nitroso-di-n-propylamine	65.7	U	1	65.7	110	ug/Kg	12/12/25 19:07	PB170916
67-72-1	Hexachloroethane	24.4	U	1	24.4	240	ug/Kg	12/12/25 19:07	PB170916
98-95-3	Nitrobenzene	25.4	U	1	25.4	240	ug/Kg	12/12/25 19:07	PB170916
78-59-1	Isophorone	45.5	U	1	45.5	240	ug/Kg	12/12/25 19:07	PB170916
88-75-5	2-Nitrophenol	80.7	U	1	80.7	240	ug/Kg	12/12/25 19:07	PB170916
105-67-9	2,4-Dimethylphenol	89.9	U	1	89.9	240	ug/Kg	12/12/25 19:07	PB170916
111-91-1	bis(2-Chloroethoxy)methane	42.7	U	1	42.7	240	ug/Kg	12/12/25 19:07	PB170916
120-83-2	2,4-Dichlorophenol	39.2	U	1	39.2	240	ug/Kg	12/12/25 19:07	PB170916
91-20-3	Naphthalene	31.5	U	1	31.5	240	ug/Kg	12/12/25 19:07	PB170916
106-47-8	4-Chloroaniline	49.1	U	1	49.1	240	ug/Kg	12/12/25 19:07	PB170916
87-68-3	Hexachlorobutadiene	35.1	U	1	35.1	240	ug/Kg	12/12/25 19:07	PB170916
105-60-2	Caprolactam	72.2	U	1	72.2	460	ug/Kg	12/12/25 19:07	PB170916
59-50-7	4-Chloro-3-methylphenol	39.8	U	1	39.8	240	ug/Kg	12/12/25 19:07	PB170916
91-57-6	2-Methylnaphthalene	35.5	U	1	35.5	240	ug/Kg	12/12/25 19:07	PB170916
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	460	ug/Kg	12/12/25 19:07	PB170916
88-06-2	2,4,6-Trichlorophenol	27.5	U	1	27.5	240	ug/Kg	12/12/25 19:07	PB170916
95-95-4	2,4,5-Trichlorophenol	40.4	U	1	40.4	240	ug/Kg	12/12/25 19:07	PB170916
92-52-4	1,1-Biphenyl	30.2	U	1	30.2	240	ug/Kg	12/12/25 19:07	PB170916
91-58-7	2-Chloronaphthalene	31.2	U	1	31.2	240	ug/Kg	12/12/25 19:07	PB170916
88-74-4	2-Nitroaniline	66.7	U	1	66.7	240	ug/Kg	12/12/25 19:07	PB170916
131-11-3	Dimethylphthalate	37.6	U	1	37.6	240	ug/Kg	12/12/25 19:07	PB170916
208-96-8	Acenaphthylene	40.1	U	1	40.1	240	ug/Kg	12/12/25 19:07	PB170916
606-20-2	2,6-Dinitrotoluene	46.6	U	1	46.6	240	ug/Kg	12/12/25 19:07	PB170916
99-09-2	3-Nitroaniline	63.8	U	1	63.8	240	ug/Kg	12/12/25 19:07	PB170916
83-32-9	Acenaphthene	29.5	U	1	29.5	240	ug/Kg	12/12/25 19:07	PB170916
51-28-5	2,4-Dinitrophenol	320	U	1	320	460	ug/Kg	12/12/25 19:07	PB170916
100-02-7	4-Nitrophenol	150	U	1	150	460	ug/Kg	12/12/25 19:07	PB170916
132-64-9	Dibenzofuran	31.5	U	1	31.5	240	ug/Kg	12/12/25 19:07	PB170916
121-14-2	2,4-Dinitrotoluene	69.5	U	1	69.5	240	ug/Kg	12/12/25 19:07	PB170916
84-66-2	Diethylphthalate	39.2	U	1	39.2	240	ug/Kg	12/12/25 19:07	PB170916
7005-72-3	4-Chlorophenyl-phenylether	37.0	U	1	37.0	240	ug/Kg	12/12/25 19:07	PB170916
86-73-7	Fluorene	35.1	U	1	35.1	240	ug/Kg	12/12/25 19:07	PB170916
100-01-6	4-Nitroaniline	89.0	U	1	89.0	240	ug/Kg	12/12/25 19:07	PB170916
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	460	ug/Kg	12/12/25 19:07	PB170916

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Sample Wt/Vol:	30.09 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	12/12/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	45.6	U	1	45.6	240	ug/Kg	12/12/25 19:07	PB170916
101-55-3	4-Bromophenyl-phenylether	38.5	U	1	38.5	240	ug/Kg	12/12/25 19:07	PB170916
118-74-1	Hexachlorobenzene	35.1	U	1	35.1	240	ug/Kg	12/12/25 19:07	PB170916
1912-24-9	Atrazine	47.1	U	1	47.1	240	ug/Kg	12/12/25 19:07	PB170916
87-86-5	Pentachlorophenol	71.1	U	1	71.1	460	ug/Kg	12/12/25 19:07	PB170916
85-01-8	Phenanthrene	29.0	U	1	29.0	240	ug/Kg	12/12/25 19:07	PB170916
120-12-7	Anthracene	46.2	U	1	46.2	240	ug/Kg	12/12/25 19:07	PB170916
86-74-8	Carbazole	43.3	U	1	43.3	240	ug/Kg	12/12/25 19:07	PB170916
84-74-2	Di-n-butylphthalate	66.4	U	1	66.4	240	ug/Kg	12/12/25 19:07	PB170916
206-44-0	Fluoranthene	41.6	U	1	41.6	240	ug/Kg	12/12/25 19:07	PB170916
129-00-0	Pyrene	49.9	U	1	49.9	240	ug/Kg	12/12/25 19:07	PB170916
85-68-7	Butylbenzylphthalate	99.0	U	1	99.0	240	ug/Kg	12/12/25 19:07	PB170916
91-94-1	3,3-Dichlorobenzidine	50.9	U	1	50.9	460	ug/Kg	12/12/25 19:07	PB170916
56-55-3	Benzo(a)anthracene	31.9	U	1	31.9	240	ug/Kg	12/12/25 19:07	PB170916
218-01-9	Chrysene	27.6	U	1	27.6	240	ug/Kg	12/12/25 19:07	PB170916
117-81-7	Bis(2-ethylhexyl)phthalate	82.1	U	1	82.1	240	ug/Kg	12/12/25 19:07	PB170916
117-84-0	Di-n-octyl phthalate	120	U	1	120	460	ug/Kg	12/12/25 19:07	PB170916
205-99-2	Benzo(b)fluoranthene	26.3	U	1	26.3	240	ug/Kg	12/12/25 19:07	PB170916
207-08-9	Benzo(k)fluoranthene	31.1	U	1	31.1	240	ug/Kg	12/12/25 19:07	PB170916
50-32-8	Benzo(a)pyrene	40.9	U	1	40.9	240	ug/Kg	12/12/25 19:07	PB170916
193-39-5	Indeno(1,2,3-cd)pyrene	40.4	U	1	40.4	240	ug/Kg	12/12/25 19:07	PB170916
53-70-3	Dibenzo(a,h)anthracene	38.0	U	1	38.0	240	ug/Kg	12/12/25 19:07	PB170916
191-24-2	Benzo(g,h,i)perylene	35.6	U	1	35.6	240	ug/Kg	12/12/25 19:07	PB170916
95-94-3	1,2,4,5-Tetrachlorobenzene	35.5	U	1	35.5	240	ug/Kg	12/12/25 19:07	PB170916
123-91-1	1,4-Dioxane	62.7	U	1	62.7	240	ug/Kg	12/12/25 19:07	PB170916
58-90-2	2,3,4,6-Tetrachlorophenol	38.0	U	1	38.0	240	ug/Kg	12/12/25 19:07	PB170916

SURROGATES

367-12-4	2-Fluorophenol	71.7		10 - 105	48%	SPK: 150
13127-88-3	Phenol-d6	70.9		10 - 103	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.7		10 - 108	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.1		10 - 108	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.6		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	37.5		10 - 109	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	218000
1146-65-2	Naphthalene-d8	934000
15067-26-2	Acenaphthene-d10	637000
1517-22-2	Phenanthrene-d10	1430000
1719-03-5	Chrysene-d12	1710000
1520-96-3	Perylene-d12	1890000

TENTATIVE IDENTIFIED COMPOUNDS

000124-07-2	Octanoic acid	140	J	9.76	ug/Kg
010208-80-7	.alpha.-Muuroylene	120	J	14.3	ug/Kg

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Sample Wt/Vol:	30.09 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 12/12/25		

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000473-14-3	Naphthalene, 2,3,4,4a,5,6-hexahydr	110	J			14.5	ug/Kg		
000119-61-9	Benzophenone	320	J			15.7	ug/Kg		
000483-78-3	Naphthalene, 1,6-dimethyl-4-(1-met	120	J			16.0	ug/Kg		
1000432-25-9	3-Ethyl-2,6,10-trimethylundecane	110	J			16.9	ug/Kg		
000057-10-3	n-Hexadecanoic acid	1000	J			18.0	ug/Kg		
000629-62-9	Pentadecane	160	J			18.3	ug/Kg		
001560-92-5	Hexadecane, 2-methyl-	170	J			18.8	ug/Kg		
000629-94-7	Heneicosane	180	J			19.0	ug/Kg		
000506-17-2	cis-Vaccenic acid	600	J			19.3	ug/Kg		
000057-11-4	Octadecanoic acid	350	J			19.4	ug/Kg		
015594-90-8	1-Heneicosanol	560	J			21.2	ug/Kg		
1010351-87-0	Heptadecyl trifluoroacetate	520	J			22.4	ug/Kg		
290299-12-6	5-Cholestene-3-ol, 24-methyl-	470	J			28.8	ug/Kg		
000083-47-6	.gamma.-Sitosterol	2100	J			30.4	ug/Kg		
019466-47-8	Stigmastanol	2600	J			30.7	ug/Kg		
001259-10-5	9,19-Cyclolanost-24-en-3-ol, aceta	2500	J			31.2	ug/Kg		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products