

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	12/09/25
Project:	R37092		Date Received:	12/11/25
Client Sample ID:	C0AN7		SDG No.:	Q3839
Lab Sample ID:	Q3839-11		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	64.1
Sample Wt/Vol:	30.03 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	240	U	1	240	510	ug/Kg	12/12/25 20:29	PB170916
108-95-2	Phenol	34.4	U	1	34.4	260	ug/Kg	12/12/25 20:29	PB170916
111-44-4	bis(2-Chloroethyl)ether	37.9	U	1	37.9	260	ug/Kg	12/12/25 20:29	PB170916
95-57-8	2-Chlorophenol	38.0	U	1	38.0	260	ug/Kg	12/12/25 20:29	PB170916
95-48-7	2-Methylphenol	46.6	U	1	46.6	260	ug/Kg	12/12/25 20:29	PB170916
108-60-1	2,2-oxybis(1-Chloropropane)	58.4	U	1	58.4	260	ug/Kg	12/12/25 20:29	PB170916
98-86-2	Acetophenone	46.0	U	1	46.0	260	ug/Kg	12/12/25 20:29	PB170916
65794-96-9	3+4-Methylphenols	64.1	U	1	64.1	510	ug/Kg	12/12/25 20:29	PB170916
621-64-7	n-Nitroso-di-n-propylamine	73.9	U	1	73.9	120	ug/Kg	12/12/25 20:29	PB170916
67-72-1	Hexachloroethane	27.4	U	1	27.4	260	ug/Kg	12/12/25 20:29	PB170916
98-95-3	Nitrobenzene	28.5	U	1	28.5	260	ug/Kg	12/12/25 20:29	PB170916
78-59-1	Isophorone	51.1	U	1	51.1	260	ug/Kg	12/12/25 20:29	PB170916
88-75-5	2-Nitrophenol	90.7	U	1	90.7	260	ug/Kg	12/12/25 20:29	PB170916
105-67-9	2,4-Dimethylphenol	100	U	1	100	260	ug/Kg	12/12/25 20:29	PB170916
111-91-1	bis(2-Chloroethoxy)methane	48.0	U	1	48.0	260	ug/Kg	12/12/25 20:29	PB170916
120-83-2	2,4-Dichlorophenol	44.1	U	1	44.1	260	ug/Kg	12/12/25 20:29	PB170916
91-20-3	Naphthalene	35.4	U	1	35.4	260	ug/Kg	12/12/25 20:29	PB170916
106-47-8	4-Chloroaniline	55.2	U	1	55.2	260	ug/Kg	12/12/25 20:29	PB170916
87-68-3	Hexachlorobutadiene	39.4	U	1	39.4	260	ug/Kg	12/12/25 20:29	PB170916
105-60-2	Caprolactam	81.2	U	1	81.2	510	ug/Kg	12/12/25 20:29	PB170916
59-50-7	4-Chloro-3-methylphenol	44.7	U	1	44.7	260	ug/Kg	12/12/25 20:29	PB170916
91-57-6	2-Methylnaphthalene	39.9	U	1	39.9	260	ug/Kg	12/12/25 20:29	PB170916
77-47-4	Hexachlorocyclopentadiene	180	U	1	180	510	ug/Kg	12/12/25 20:29	PB170916
88-06-2	2,4,6-Trichlorophenol	30.9	U	1	30.9	260	ug/Kg	12/12/25 20:29	PB170916
95-95-4	2,4,5-Trichlorophenol	45.4	U	1	45.4	260	ug/Kg	12/12/25 20:29	PB170916
92-52-4	1,1-Biphenyl	34.0	U	1	34.0	260	ug/Kg	12/12/25 20:29	PB170916
91-58-7	2-Chloronaphthalene	35.1	U	1	35.1	260	ug/Kg	12/12/25 20:29	PB170916
88-74-4	2-Nitroaniline	75.0	U	1	75.0	260	ug/Kg	12/12/25 20:29	PB170916
131-11-3	Dimethylphthalate	42.2	U	1	42.2	260	ug/Kg	12/12/25 20:29	PB170916
208-96-8	Acenaphthylene	45.0	U	1	45.0	260	ug/Kg	12/12/25 20:29	PB170916
606-20-2	2,6-Dinitrotoluene	52.4	U	1	52.4	260	ug/Kg	12/12/25 20:29	PB170916
99-09-2	3-Nitroaniline	71.7	U	1	71.7	260	ug/Kg	12/12/25 20:29	PB170916
83-32-9	Acenaphthene	33.2	U	1	33.2	260	ug/Kg	12/12/25 20:29	PB170916
51-28-5	2,4-Dinitrophenol	360	U	1	360	510	ug/Kg	12/12/25 20:29	PB170916
100-02-7	4-Nitrophenol	170	U	1	170	510	ug/Kg	12/12/25 20:29	PB170916
132-64-9	Dibenzofuran	35.4	U	1	35.4	260	ug/Kg	12/12/25 20:29	PB170916
121-14-2	2,4-Dinitrotoluene	78.1	U	1	78.1	260	ug/Kg	12/12/25 20:29	PB170916
84-66-2	Diethylphthalate	44.1	U	1	44.1	260	ug/Kg	12/12/25 20:29	PB170916
7005-72-3	4-Chlorophenyl-phenylether	41.6	U	1	41.6	260	ug/Kg	12/12/25 20:29	PB170916
86-73-7	Fluorene	39.4	U	1	39.4	260	ug/Kg	12/12/25 20:29	PB170916
100-01-6	4-Nitroaniline	100	U	1	100	260	ug/Kg	12/12/25 20:29	PB170916
534-52-1	4,6-Dinitro-2-methylphenol	160	U	1	160	510	ug/Kg	12/12/25 20:29	PB170916

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Lab Sample ID:	Q3839-11		Matrix:	SOIL
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Sample Wt/Vol:	30.03 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
86-30-6	n-Nitrosodiphenylamine	51.3	U	1	51.3	260	ug/Kg	12/12/25 20:29	PB170916
101-55-3	4-Bromophenyl-phenylether	43.3	U	1	43.3	260	ug/Kg	12/12/25 20:29	PB170916
118-74-1	Hexachlorobenzene	39.4	U	1	39.4	260	ug/Kg	12/12/25 20:29	PB170916
1912-24-9	Atrazine	53.0	U	1	53.0	260	ug/Kg	12/12/25 20:29	PB170916
87-86-5	Pentachlorophenol	80.0	U	1	80.0	510	ug/Kg	12/12/25 20:29	PB170916
85-01-8	Phenanthrene	750		1	32.6	260	ug/Kg	12/12/25 20:29	PB170916
120-12-7	Anthracene	250	J	1	51.9	260	ug/Kg	12/12/25 20:29	PB170916
86-74-8	Carbazole	48.6	U	1	48.6	260	ug/Kg	12/12/25 20:29	PB170916
84-74-2	Di-n-butylphthalate	74.7	U	1	74.7	260	ug/Kg	12/12/25 20:29	PB170916
206-44-0	Fluoranthene	1100		1	46.8	260	ug/Kg	12/12/25 20:29	PB170916
129-00-0	Pyrene	910		1	56.1	260	ug/Kg	12/12/25 20:29	PB170916
85-68-7	Butylbenzylphthalate	110	U	1	110	260	ug/Kg	12/12/25 20:29	PB170916
91-94-1	3,3-Dichlorobenzidine	57.2	U	1	57.2	510	ug/Kg	12/12/25 20:29	PB170916
56-55-3	Benzo(a)anthracene	500		1	35.8	260	ug/Kg	12/12/25 20:29	PB170916
218-01-9	Chrysene	480		1	31.0	260	ug/Kg	12/12/25 20:29	PB170916
117-81-7	Bis(2-ethylhexyl)phthalate	92.3	U	1	92.3	260	ug/Kg	12/12/25 20:29	PB170916
117-84-0	Di-n-octyl phthalate	140	U	1	140	510	ug/Kg	12/12/25 20:29	PB170916
205-99-2	Benzo(b)fluoranthene	580		1	29.6	260	ug/Kg	12/12/25 20:29	PB170916
207-08-9	Benzo(k)fluoranthene	200	J	1	34.9	260	ug/Kg	12/12/25 20:29	PB170916
50-32-8	Benzo(a)pyrene	420		1	46.0	260	ug/Kg	12/12/25 20:29	PB170916
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	1	45.4	260	ug/Kg	12/12/25 20:29	PB170916
53-70-3	Dibenzo(a,h)anthracene	42.7	U	1	42.7	260	ug/Kg	12/12/25 20:29	PB170916
191-24-2	Benzo(g,h,i)perylene	210	J	1	40.1	260	ug/Kg	12/12/25 20:29	PB170916
95-94-3	1,2,4,5-Tetrachlorobenzene	39.9	U	1	39.9	260	ug/Kg	12/12/25 20:29	PB170916
123-91-1	1,4-Dioxane	70.4	U	1	70.4	260	ug/Kg	12/12/25 20:29	PB170916
58-90-2	2,3,4,6-Tetrachlorophenol	42.7	U	1	42.7	260	ug/Kg	12/12/25 20:29	PB170916

SURROGATES

367-12-4	2-Fluorophenol	80.7		10 - 105	54%	SPK: 150
13127-88-3	Phenol-d6	81.4		10 - 103	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.3		10 - 108	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	52.4		10 - 108	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.5		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	54.0		10 - 109	54%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	271000
1146-65-2	Naphthalene-d8	1130000
15067-26-2	Acenaphthene-d10	781000
1517-22-2	Phenanthrene-d10	1590000
1719-03-5	Chrysene-d12	1700000
1520-96-3	Perylene-d12	1640000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	360	J	15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	400	J	18.0	ug/Kg

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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
959010-23-2	Trifluoroacetic acid, pentadecyl e	220	J			21.2	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