

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.5
Sample Wt/Vol:	30.09 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140608.D	1	11/16/24 08:51	11/25/24 17:41	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	190	UQ	190	340	ug/Kg
108-95-2	Phenol	84.8	U	84.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.6	U	85.6	170	ug/Kg
95-57-8	2-Chlorophenol	85.4	U	85.4	170	ug/Kg
95-48-7	2-Methylphenol	82.4	U	82.4	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.0	U	93.0	170	ug/Kg
98-86-2	Acetophenone	88.9	U	88.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.6	U	81.6	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.8	ug/Kg
67-72-1	Hexachloroethane	84.9	U	84.9	170	ug/Kg
98-95-3	Nitrobenzene	92.8	U	92.8	170	ug/Kg
78-59-1	Isophorone	86.5	U	86.5	170	ug/Kg
88-75-5	2-Nitrophenol	96.6	U	96.6	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.3	U	95.3	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.7	U	87.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.2	U	77.2	170	ug/Kg
91-20-3	Naphthalene	84.5	U	84.5	170	ug/Kg
106-47-8	4-Chloroaniline	84.5	UQ	84.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.2	U	85.2	170	ug/Kg
105-60-2	Caprolactam	88.8	U	88.8	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.2	U	79.2	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.4	U	84.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.0	U	73.0	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.7	U	75.7	170	ug/Kg
92-52-4	1,1-Biphenyl	89.4	U	89.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.2	U	85.2	170	ug/Kg
88-74-4	2-Nitroaniline	97.1	U	97.1	170	ug/Kg
131-11-3	Dimethylphthalate	83.5	U	83.5	170	ug/Kg

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208-96-8	Acenaphthylene	88.5	U	88.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.1	U	85.1	170	ug/Kg
99-09-2	3-Nitroaniline	91.2	UQ	91.2	170	ug/Kg
83-32-9	Acenaphthene	82.9	U	82.9	170	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	340	ug/Kg
132-64-9	Dibenzofuran	86.3	U	86.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.1	U	88.1	170	ug/Kg
84-66-2	Diethylphthalate	81.9	U	81.9	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.5	U	87.5	170	ug/Kg
86-73-7	Fluorene	87.4	U	87.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	83.4	U	83.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80.7	U	80.7	170	ug/Kg
118-74-1	Hexachlorobenzene	86.9	U	86.9	170	ug/Kg
1912-24-9	Atrazine	93.5	U	93.5	170	ug/Kg
87-86-5	Pentachlorophenol	79.0	U	79.0	340	ug/Kg
85-01-8	Phenanthrene	85.9	U	85.9	170	ug/Kg
120-12-7	Anthracene	86.3	U	86.3	170	ug/Kg
86-74-8	Carbazole	82.1	U	82.1	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.2	U	86.2	170	ug/Kg
206-44-0	Fluoranthene	83.5	U	83.5	170	ug/Kg
129-00-0	Pyrene	84.9	U	84.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	99.0	U	99.0	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.5	U	82.5	170	ug/Kg
218-01-9	Chrysene	81.3	U	81.3	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.1	U	93.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.9	U	82.9	170	ug/Kg

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207-08-9	Benzo(k)fluoranthene	84.5	U	84.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.1	U	95.1	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.9	U	79.9	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.0	U	83.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.9	U	81.9	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.8	U	88.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.4	U	76.4	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	91.0		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	90.5		30 (15) - 130 (107)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.2		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.7		30 (20) - 130 (109)	67%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.8		30 (10) - 130 (116)	57%	SPK: 150
1718-51-0	Terphenyl-d14	60.5		30 (10) - 130 (105)	61%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	65700	6.869
1146-65-2	Naphthalene-d8	249000	8.151
15067-26-2	Acenaphthene-d10	136000	9.904
1517-22-2	Phenanthrene-d10	254000	11.392
1719-03-5	Chrysene-d12	176000	14.045
1520-96-3	Perylene-d12	146000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	330	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	220	J	11.9	ug/Kg
001454-84-8	n-Nonadecanol-1	170	J	13.9	ug/Kg
	unknown16.457	78.1	J	16.5	ug/Kg

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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