

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140609.D	1	11/16/24 08:51	11/25/24 18:07	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	85.4	U	85.4	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.2	U	86.2	180	ug/Kg
95-57-8	2-Chlorophenol	86.0	U	86.0	180	ug/Kg
95-48-7	2-Methylphenol	83.0	U	83.0	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.6	U	93.6	180	ug/Kg
98-86-2	Acetophenone	89.5	U	89.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.2	U	82.2	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.5	U	41.5	82.4	ug/Kg
67-72-1	Hexachloroethane	85.5	U	85.5	180	ug/Kg
98-95-3	Nitrobenzene	93.5	U	93.5	180	ug/Kg
78-59-1	Isophorone	87.1	U	87.1	180	ug/Kg
88-75-5	2-Nitrophenol	97.3	U	97.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.0	U	96.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.4	U	88.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.8	U	77.8	180	ug/Kg
91-20-3	Naphthalene	85.1	U	85.1	180	ug/Kg
106-47-8	4-Chloroaniline	85.1	UQ	85.1	180	ug/Kg
87-68-3	Hexachlorobutadiene	85.8	U	85.8	180	ug/Kg
105-60-2	Caprolactam	89.4	U	89.4	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.8	U	79.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.0	U	85.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.5	U	73.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.2	U	76.2	180	ug/Kg
92-52-4	1,1-Biphenyl	90.0	U	90.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	85.8	U	85.8	180	ug/Kg
88-74-4	2-Nitroaniline	97.8	U	97.8	180	ug/Kg
131-11-3	Dimethylphthalate	84.1	U	84.1	180	ug/Kg

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208-96-8	Acenaphthylene	89.1	U	89.1	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.7	U	85.7	180	ug/Kg
99-09-2	3-Nitroaniline	91.9	UQ	91.9	180	ug/Kg
83-32-9	Acenaphthene	83.5	U	83.5	180	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	86.9	U	86.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.8	U	88.8	180	ug/Kg
84-66-2	Diethylphthalate	82.5	U	82.5	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.2	U	88.2	180	ug/Kg
86-73-7	Fluorene	88.1	U	88.1	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	84.0	U	84.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.3	U	81.3	180	ug/Kg
118-74-1	Hexachlorobenzene	87.5	U	87.5	180	ug/Kg
1912-24-9	Atrazine	94.1	U	94.1	180	ug/Kg
87-86-5	Pentachlorophenol	79.6	U	79.6	340	ug/Kg
85-01-8	Phenanthrene	86.5	U	86.5	180	ug/Kg
120-12-7	Anthracene	86.9	U	86.9	180	ug/Kg
86-74-8	Carbazole	82.7	U	82.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	86.8	U	86.8	180	ug/Kg
206-44-0	Fluoranthene	84.1	U	84.1	180	ug/Kg
129-00-0	Pyrene	85.5	U	85.5	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.7	U	99.7	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.1	U	83.1	180	ug/Kg
218-01-9	Chrysene	81.9	U	81.9	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.7	U	93.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.5	U	83.5	180	ug/Kg

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207-08-9	Benzo(k)fluoranthene	85.1	U	85.1	180	ug/Kg
50-32-8	Benzo(a)pyrene	95.8	U	95.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.4	U	80.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.6	U	83.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.5	U	82.5	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.9	U	76.9	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	98.6		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	97.7		30 (15) - 130 (107)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.9		30 (18) - 130 (107)	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		30 (10) - 130 (116)	62%	SPK: 150
1718-51-0	Terphenyl-d14	71.0		30 (10) - 130 (105)	71%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	64400	6.869
1146-65-2	Naphthalene-d8	240000	8.151
15067-26-2	Acenaphthene-d10	128000	9.904
1517-22-2	Phenanthrene-d10	245000	11.392
1719-03-5	Chrysene-d12	152000	14.045
1520-96-3	Perylene-d12	135000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	160	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	260	J	11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	85.1	J	12.3	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	120	J	12.6	ug/Kg
000483-65-8	Retene	250	J	13.1	ug/Kg
000629-94-7	Heneicosane	72.8	J	13.9	ug/Kg
000630-02-4	Octacosane	80.7	J	15.2	ug/Kg

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	unknown16.286	210	J		16.3	ug/Kg
000566-88-1	Cholestan-3-one, (5.alpha.)-	200	J		16.4	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