

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-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
Sample Wt/Vol:	30.02 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
BF140588.D	1	11/16/24 08:51	11/22/24 19:53	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	85.6	U	85.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	86.4	U	86.4	180	ug/Kg
95-57-8	2-Chlorophenol	86.2	U	86.2	180	ug/Kg
95-48-7	2-Methylphenol	83.2	U	83.2	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	93.8	U	93.8	180	ug/Kg
98-86-2	Acetophenone	89.7	U	89.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	82.4	U	82.4	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	82.6	ug/Kg
67-72-1	Hexachloroethane	85.7	U	85.7	180	ug/Kg
98-95-3	Nitrobenzene	93.7	U	93.7	180	ug/Kg
78-59-1	Isophorone	87.3	U	87.3	180	ug/Kg
88-75-5	2-Nitrophenol	97.6	U	97.6	180	ug/Kg
105-67-9	2,4-Dimethylphenol	96.2	U	96.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	88.6	U	88.6	180	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	180	ug/Kg
91-20-3	Naphthalene	85.3	U	85.3	180	ug/Kg
106-47-8	4-Chloroaniline	85.3	UQ	85.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	86.0	U	86.0	180	ug/Kg
105-60-2	Caprolactam	89.6	U	89.6	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.0	U	80.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	85.2	U	85.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73.7	U	73.7	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	76.4	U	76.4	180	ug/Kg
92-52-4	1,1-Biphenyl	90.2	U	90.2	180	ug/Kg
91-58-7	2-Chloronaphthalene	86.0	U	86.0	180	ug/Kg
88-74-4	2-Nitroaniline	98.1	U	98.1	180	ug/Kg
131-11-3	Dimethylphthalate	84.3	U	84.3	180	ug/Kg

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208-96-8	Acenaphthylene	89.3	U	89.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.9	U	85.9	180	ug/Kg
99-09-2	3-Nitroaniline	92.1	UQ	92.1	180	ug/Kg
83-32-9	Acenaphthene	83.7	U	83.7	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	87.1	U	87.1	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.0	U	89.0	180	ug/Kg
84-66-2	Diethylphthalate	82.7	U	82.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88.4	U	88.4	180	ug/Kg
86-73-7	Fluorene	88.3	U	88.3	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	84.2	U	84.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81.5	U	81.5	180	ug/Kg
118-74-1	Hexachlorobenzene	87.8	U	87.8	180	ug/Kg
1912-24-9	Atrazine	94.4	U	94.4	180	ug/Kg
87-86-5	Pentachlorophenol	79.8	U	79.8	340	ug/Kg
85-01-8	Phenanthrene	86.7	U	86.7	180	ug/Kg
120-12-7	Anthracene	87.1	U	87.1	180	ug/Kg
86-74-8	Carbazole	82.9	U	82.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.0	U	87.0	180	ug/Kg
206-44-0	Fluoranthene	84.3	U	84.3	180	ug/Kg
129-00-0	Pyrene	85.7	U	85.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	99.9	U	99.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	83.3	U	83.3	180	ug/Kg
218-01-9	Chrysene	82.1	U	82.1	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	420		93.9	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	83.7	U	83.7	180	ug/Kg

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207-08-9	Benzo(k)fluoranthene	85.3	U	85.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	96.0	U	96.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.6	U	80.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	83.8	U	83.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82.7	U	82.7	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.6	U	89.6	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.1	U	77.1	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	99.7		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	96.8		30 (15) - 130 (107)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.8		30 (18) - 130 (107)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.9		30 (20) - 130 (109)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.7		30 (10) - 130 (116)	58%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		30 (10) - 130 (105)	68%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	92000	6.869
1146-65-2	Naphthalene-d8	310000	8.151
15067-26-2	Acenaphthene-d10	141000	9.904
1517-22-2	Phenanthrene-d10	224000	11.398
1719-03-5	Chrysene-d12	149000	14.045
1520-96-3	Perylene-d12	113000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1200	JB	2.13	ug/Kg
055000-52-7	Hexadecane, 2,6,10-trimethyl-	230	J	10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	500	J	11.9	ug/Kg
1000197-14-1	4b,8-Dimethyl-2-isopropylphenanthr	220	J	12.3	ug/Kg
006566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13	730	J	12.7	ug/Kg
055045-10-8	Tridecane, 6-propyl-	240	J	13.2	ug/Kg
000629-78-7	Heptadecane	410	J	13.6	ug/Kg

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028336-57-4	Cyclohexane, 1,3,5-triphenyl-	600	J		13.8	ug/Kg
000112-95-8	Eicosane	750	J		13.9	ug/Kg
004757-69-1	1H-Indole, 2-methyl-3-phenyl-	360	J		14.2	ug/Kg
000638-67-5	Tricosane	950	J		14.2	ug/Kg
000629-94-7	Heneicosane	650	J		14.5	ug/Kg
000630-02-4	Octacosane	410	J		14.8	ug/Kg
007683-64-9	Supraene	250	J		14.9	ug/Kg
055282-11-6	Heneicosane, 11-(1-ethylpropyl)-	420	J		15.2	ug/Kg
014905-56-7	Tetradecane, 2,6,10-trimethyl-	240	J		16.0	ug/Kg
1000514-95-7	5.beta.-Cholestan-3.alpha.-ol, 2-m	1600	J		16.2	ug/Kg
1010210-43-4	Cholestan-2-one	1800	J		16.5	ug/Kg
019466-47-8	Stigmastanol	320	J		17.4	ug/Kg
	unknown17.657	440	J		17.7	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