

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-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 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
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	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	84.7	U	84.7	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	85.5	U	85.5	170	ug/Kg
95-57-8	2-Chlorophenol	85.3	U	85.3	170	ug/Kg
95-48-7	2-Methylphenol	82.3	U	82.3	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92.9	U	92.9	170	ug/Kg
98-86-2	Acetophenone	88.8	U	88.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	81.5	U	81.5	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.2	U	41.2	81.7	ug/Kg
67-72-1	Hexachloroethane	84.8	U	84.8	170	ug/Kg
98-95-3	Nitrobenzene	92.7	U	92.7	170	ug/Kg
78-59-1	Isophorone	86.4	U	86.4	170	ug/Kg
88-75-5	2-Nitrophenol	96.5	U	96.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	95.2	U	95.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	87.6	U	87.6	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.1	U	77.1	170	ug/Kg
91-20-3	Naphthalene	84.4	U	84.4	170	ug/Kg
106-47-8	4-Chloroaniline	84.4	UQ	84.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	85.1	U	85.1	170	ug/Kg
105-60-2	Caprolactam	88.7	U	88.7	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	79.2	U	79.2	170	ug/Kg
91-57-6	2-Methylnaphthalene	84.3	U	84.3	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	UQ	160	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72.9	U	72.9	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75.6	U	75.6	170	ug/Kg
92-52-4	1,1-Biphenyl	89.3	U	89.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	85.1	U	85.1	170	ug/Kg
88-74-4	2-Nitroaniline	97.0	U	97.0	170	ug/Kg
131-11-3	Dimethylphthalate	83.5	U	83.5	170	ug/Kg

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-003		SDG No.:	P4860	
Lab Sample ID:	P4860-04		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	97.8	
Sample Wt/Vol:	30.03	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
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	88.4	U	88.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	85.0	U	85.0	170	ug/Kg
99-09-2	3-Nitroaniline	91.1	UQ	91.1	170	ug/Kg
83-32-9	Acenaphthene	82.8	U	82.8	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	86.2	U	86.2	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	88.1	U	88.1	170	ug/Kg
84-66-2	Diethylphthalate	81.8	U	81.8	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	87.4	U	87.4	170	ug/Kg
86-73-7	Fluorene	87.3	U	87.3	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	80.6	U	80.6	170	ug/Kg
118-74-1	Hexachlorobenzene	86.8	U	86.8	170	ug/Kg
1912-24-9	Atrazine	93.4	U	93.4	170	ug/Kg
87-86-5	Pentachlorophenol	79.0	U	79.0	340	ug/Kg
85-01-8	Phenanthrene	85.8	U	85.8	170	ug/Kg
120-12-7	Anthracene	86.2	U	86.2	170	ug/Kg
86-74-8	Carbazole	82.0	U	82.0	170	ug/Kg
84-74-2	Di-n-butylphthalate	86.1	U	86.1	170	ug/Kg
206-44-0	Fluoranthene	83.5	U	83.5	170	ug/Kg
129-00-0	Pyrene	84.8	U	84.8	170	ug/Kg
85-68-7	Butylbenzylphthalate	98.9	U	98.9	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	UQ	100	340	ug/Kg
56-55-3	Benzo(a)anthracene	82.4	U	82.4	170	ug/Kg
218-01-9	Chrysene	81.2	U	81.2	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	93.0	U	93.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	82.8	U	82.8	170	ug/Kg

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-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.8
Sample Wt/Vol:	30.03 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
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	84.4	U	84.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	95.0	U	95.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.8	U	79.8	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	82.9	U	82.9	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81.8	U	81.8	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	88.7	U	88.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	76.3	U	76.3	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	102		30 (18) - 130 (112)	68%	SPK: 150
13127-88-3	Phenol-d6	101		30 (15) - 130 (107)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.4		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.2		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	72.7		30 (10) - 130 (105)	73%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	59200	6.869
1146-65-2	Naphthalene-d8	216000	8.151
15067-26-2	Acenaphthene-d10	118000	9.904
1517-22-2	Phenanthrene-d10	223000	11.392
1719-03-5	Chrysene-d12	134000	14.039
1520-96-3	Perylene-d12	132000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	70.8	A	5.09	ug/Kg
000119-61-9	Benzophenone	140	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	120	J	11.9	ug/Kg
074339-53-0	Trichloroacetic acid, pentadecyl e	170	J	13.9	ug/Kg
000111-02-4	Squalene	91.9	J	14.9	ug/Kg
	unknown16.427	77.3	J	16.4	ug/Kg

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-003		SDG No.:	P4860	
Lab Sample ID:	P4860-04		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	97.8	
Sample Wt/Vol:	30.03	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
BF140620.D	1	11/16/24 08:51	11/25/24 22:55	PB165029

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	------------	-------------------

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