

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:	Solid	
Analytical Method:	NJEPH		% Solid:	96.8	
Sample Wt/Vol:	30.1	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/16/24 09:30	11/19/24 13:12	PB165032

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.39	U	1	0.39	1.03	mg/kg	FG014868.D
Aliphatic C12-C16	Aliphatic C12-C16	0.30	J	1	0.25	0.69	mg/kg	FG014868.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	J	1	0.31	1.03	mg/kg	FG014868.D
Aliphatic C21-C28	Aliphatic C21-C28	0.82	U	1	0.82	1.37	mg/kg	FG014868.D
Aliphatic C28-C40	Aliphatic C28-C40	1.89	J	1	1.85	2.06	mg/kg	FG014868.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.69	mg/kg	FD048760.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.35	1.03	mg/kg	FD048760.D
Aromatic C16-C21	Aromatic C16-C21	1.28	J	1	0.99	1.72	mg/kg	FD048760.D
Aromatic C21-C36	Aromatic C21-C36	2.31	J	1	2.06	2.75	mg/kg	FD048760.D
Total AliphaticEPH	Total AliphaticEPH	3.62	U		3.62	6.18	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.00	J		3.71	6.19	mg/kg	
Total EPH	Total EPH	7.33	U		7.33	12.4	mg/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

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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Analytical Method:	NJEPH	% Solid:	96.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048760.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.69	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.41	J	0.35	1.03	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.28	J	0.99	1.72	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.31	J	2.06	2.75	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	52.4		40 - 140	105%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.1		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-01	Acq On:	18 Nov 2024 10:38
Client Sample ID:	DUP-01	Operator:	YP/AJ
Data file:	FD048760.D	Misc:	
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	728652	3.795	200	ug/ml
Aromatic C12-C16	5.806	8.411	1136633	5.906	300	ug/ml
Aromatic C16-C21	8.412	12.674	3469775	18.674	500	ug/ml
Aromatic C21-C36	12.675	18.081	5289666	33.643	800	ug/ml
Aromatic EPH	4.088	18.081	10624726	62.017		ug/ml
2-Bromonaphthalene (SURR)	7.367	7.367	9232725	52.44		ug/ml
2-Fluorobiphenyl (SURR)	8.217	8.217	6235407	54.14		ug/ml
ortho-Terphenyl (SURR)	11.251	11.251	5492809	28.56		ug/ml