

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:	Solid	
Analytical Method:	NJEPH		% Solid:	97.5	
Sample Wt/Vol:	30.03	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 12:16	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	1.02	mg/kg	FG014866.D
Aliphatic C12-C16	Aliphatic C12-C16	0.25	U	1	0.25	0.68	mg/kg	FG014866.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.02	mg/kg	FG014866.D
Aliphatic C21-C28	Aliphatic C21-C28	0.82	U	1	0.82	1.37	mg/kg	FG014866.D
Aliphatic C28-C40	Aliphatic C28-C40	1.84	U	1	1.84	2.05	mg/kg	FG014866.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FF015097.D
Aromatic C12-C16	Aromatic C12-C16	0.35	U	1	0.35	1.02	mg/kg	FF015097.D
Aromatic C16-C21	Aromatic C16-C21	1.03	J	1	0.98	1.71	mg/kg	FF015097.D
Aromatic C21-C36	Aromatic C21-C36	2.05	U	1	2.05	2.73	mg/kg	FF015097.D
Total AliphaticEPH	Total AliphaticEPH	3.60	U		3.60	6.14	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.69	U		3.69	6.14	mg/kg	
Total EPH	Total EPH	7.29	U		7.29	12.3	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:	97.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015097.D	1	11/16/24	11/19/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	U	0.31	0.68	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.35	U	0.35	1.02	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.03	J	0.98	1.71	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.05	U	2.05	2.73	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.8		40 - 140	104%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.2		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.7		40 - 140	57%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-09	Acq On:	19 Nov 2024 12:16
Client Sample ID:	PH2-BOT-006	Operator:	YP\AJ
Data file:	FF015097.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.362	236885	1.732	200	ug/ml
Aromatic C12-C16	6.363	9.056	90814	0.673	300	ug/ml
Aromatic C16-C21	9.057	13.369	1919248	15.007	500	ug/ml
Aromatic C21-C36	13.370	18.810	897426	7.364	800	ug/ml
Aromatic EPH	4.496	18.810	3144373	24.775		ug/ml
2-Bromonaphthalene (SURR)	7.988	7.988	6327225	51.81		ug/ml
2-Fluorobiphenyl (SURR)	8.861	8.861	4096157	50.17		ug/ml
ortho-Terphenyl (SURR)	11.922	11.922	3853118	28.72		ug/ml