

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-007		SDG No.:	P4860	
Lab Sample ID:	P4860-08		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98	
Sample Wt/Vol:	30.08	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 11:47	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	FG014865.D
Aliphatic C12-C16	Aliphatic C12-C16	0.40	J	1	0.24	0.68	mg/kg	FG014865.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.02	mg/kg	FG014865.D
Aliphatic C21-C28	Aliphatic C21-C28	1.12	J	1	0.81	1.36	mg/kg	FG014865.D
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1	1.83	2.04	mg/kg	FG014865.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FF015096.D
Aromatic C12-C16	Aromatic C12-C16	0.35	U	1	0.35	1.02	mg/kg	FF015096.D
Aromatic C16-C21	Aromatic C16-C21	0.98	U	1	0.98	1.70	mg/kg	FF015096.D
Aromatic C21-C36	Aromatic C21-C36	2.04	U	1	2.04	2.71	mg/kg	FF015096.D
Total AliphaticEPH	Total AliphaticEPH	4.29	J		3.58	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.67	U		3.67	6.11	mg/kg	
Total EPH	Total EPH	7.25	U		7.25	12.2	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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Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015096.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	0.98	U	0.98	1.70	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.04	U	2.04	2.71	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.9		40 - 140	104%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	48.6		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.5		40 - 140	49%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-08	Acq On:	19 Nov 2024 11:47
Client Sample ID:	PH2-BOT-007	Operator:	YP\AJ
Data file:	FF015096.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.496	6.362	173154	1.266	200	ug/ml
Aromatic C12-C16	6.363	9.056	86456	0.64	300	ug/ml
Aromatic C16-C21	9.057	13.369	1581781	12.368	500	ug/ml
Aromatic C21-C36	13.370	18.810	1301710	10.681	800	ug/ml
Aromatic EPH	4.496	18.810	3143101	24.955		ug/ml
2-Bromonaphthalene (SURR)	7.988	7.988	6337278	51.9		ug/ml
2-Fluorobiphenyl (SURR)	8.861	8.861	3970343	48.63		ug/ml
ortho-Terphenyl (SURR)	11.921	11.921	3285749	24.49		ug/ml