

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:	Solid
Analytical Method:	NJEPH	% Solid:	96.8
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 13:43	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	FG014869.D
Aliphatic C12-C16	Aliphatic C12-C16	0.49	J	1	0.25	0.69	mg/kg	FG014869.D
Aliphatic C16-C21	Aliphatic C16-C21	3.72		1	0.31	1.03	mg/kg	FG014869.D
Aliphatic C21-C28	Aliphatic C21-C28	7.06		1	0.83	1.38	mg/kg	FG014869.D
Aliphatic C28-C40	Aliphatic C28-C40	7.02		1	1.86	2.06	mg/kg	FG014869.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.69	mg/kg	FD048761.D
Aromatic C12-C16	Aromatic C12-C16	2.82		1	0.35	1.03	mg/kg	FD048761.D
Aromatic C16-C21	Aromatic C16-C21	2.37		1	0.99	1.72	mg/kg	FD048761.D
Aromatic C21-C36	Aromatic C21-C36	5.82		1	2.06	2.75	mg/kg	FD048761.D
Total AliphaticEPH	Total AliphaticEPH	18.3			3.64	6.19	mg/kg	
Total AromaticEPH	Total AromaticEPH	11.0			3.71	6.19	mg/kg	
Total EPH	Total EPH	29.3			7.35	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048761.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	2.82		0.35	1.03	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.37		0.99	1.72	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.82		2.06	2.75	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	57.4		40 - 140	115%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	58.9		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4860-02	Acq On:	18 Nov 2024 11:41
Client Sample ID:	PH2-BOT-001	Operator:	YP/AJ
Data file:	FD048761.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.088	5.805	734678	3.826	200	ug/ml
Aromatic C12-C16	5.806	8.411	7878386	40.935	300	ug/ml
Aromatic C16-C21	8.412	12.674	6407951	34.488	500	ug/ml
Aromatic C21-C36	12.675	18.081	13308598	84.644	800	ug/ml
Aromatic EPH	4.088	18.081	28329613	163.893		ug/ml
2-Bromonaphthalene (SURRE)	7.366	7.366	10111530	57.43		ug/ml
2-Fluorobiphenyl (SURRE)	8.215	8.215	6778668	58.86		ug/ml
ortho-Terphenyl (SURRE)	11.252	11.252	6471330	33.65		ug/ml