

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	PB165032BSD	SDG No.:	P4860
Lab Sample ID:	PB165032BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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	11/18/24 16:39	PB165032

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.37		1	0.38	1.00	mg/kg FC067809.D
Aliphatic C12-C16	Aliphatic C12-C16	5.32		1	0.24	0.67	mg/kg FC067809.D
Aliphatic C16-C21	Aliphatic C16-C21	8.08		1	0.30	1.00	mg/kg FC067809.D
Aliphatic C21-C28	Aliphatic C21-C28	10.4		1	0.80	1.33	mg/kg FC067809.D
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1	1.80	2.00	mg/kg FC067809.D
Aromatic C10-C12	Aromatic C10-C12	5.24		1	0.30	0.67	mg/kg FD048768.D
Aromatic C12-C16	Aromatic C12-C16	9.30		1	0.34	1.00	mg/kg FD048768.D
Aromatic C16-C21	Aromatic C16-C21	17.0		1	0.96	1.67	mg/kg FD048768.D
Aromatic C21-C36	Aromatic C21-C36	26.7		1	2.00	2.66	mg/kg FD048768.D
Total AliphaticEPH	Total AliphaticEPH	47.9			3.52	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	58.2			3.60	6.00	mg/kg
Total EPH	Total EPH	106			7.12	12.0	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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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
FC067809.D	1	11/16/24	11/18/24	PB165032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	6.37		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.32		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.08		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.4		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.7		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB165032BSD	Acq On:	18 Nov 2024 16:39
Client Sample ID:	PB165032BSD	Operator:	YP/AJ
Data file:	FC067809.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	15845078	95.572	300	ug/ml
Aliphatic C12-C16	6.449	9.838	13606967	79.86	200	ug/ml
Aliphatic C16-C21	9.839	13.196	20569153	121.265	300	ug/ml
Aliphatic C21-C28	13.197	16.850	24547765	156.077	400	ug/ml
Aliphatic C28-C40	16.851	21.691	32153817	265.49	600	ug/ml
Aliphatic EPH	3.172	21.691	106722780	718.264		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	4658064	32.09		ug/ml
Aliphatic C9-C28	3.172	16.850	74568963	452.774	1200	ug/ml