

Report of Analysis

Client:	Tetra Tech		Date Collected:		
Project:	Ocean County Landfill 2024		Date Received:		
Client Sample ID:	EX-4-TPH-6MS		SDG No.:	P4860	
Lab Sample ID:	P4839-22MS		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.5	
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	11/18/24 23:41	PB165032

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	7.95		1	0.42	1.12	mg/kg FC067811.D
Aliphatic C12-C16	Aliphatic C12-C16	7.89		1	0.27	0.74	mg/kg FC067811.D
Aliphatic C16-C21	Aliphatic C16-C21	10.9		1	0.34	1.12	mg/kg FC067811.D
Aliphatic C21-C28	Aliphatic C21-C28	14.1		1	0.89	1.49	mg/kg FC067811.D
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	2.01	2.23	mg/kg FC067811.D
Aromatic C10-C12	Aromatic C10-C12	6.32		1	0.34	0.74	mg/kg FD048770.D
Aromatic C12-C16	Aromatic C12-C16	14.1		1	0.38	1.12	mg/kg FD048770.D
Aromatic C16-C21	Aromatic C16-C21	23.4		1	1.07	1.86	mg/kg FD048770.D
Aromatic C21-C36	Aromatic C21-C36	37.8		1	2.23	2.98	mg/kg FD048770.D
Total AliphaticEPH	Total AliphaticEPH	67.3			3.93	6.70	mg/kg
Total AromaticEPH	Total AromaticEPH	81.6			4.01	6.70	mg/kg
Total EPH	Total EPH	149			7.95	13.4	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
FC067811.D	1	11/16/24	11/18/24	PB165032

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	7.95		0.42	1.12	mg/kg
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Aliphatic C16-C21	Aliphatic C16-C21	10.9		0.34	1.12	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	14.1		0.89	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4839-22MS	Acq On:	18 Nov 2024 23:41
Client Sample ID:	EX-4-TPH-6MS	Operator:	YP/AJ
Data file:	FC067811.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	17702305	106.775	300	ug/ml
Aliphatic C12-C16	6.449	9.838	18056102	105.973	200	ug/ml
Aliphatic C16-C21	9.839	13.196	24915252	146.887	300	ug/ml
Aliphatic C21-C28	13.197	16.850	29761226	189.224	400	ug/ml
Aliphatic C28-C40	16.851	21.691	43058796	355.531	600	ug/ml
Aliphatic EPH	3.172	21.691	133493681	904.39		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	5629921	38.78		ug/ml
Aliphatic C9-C28	3.172	16.850	90434885	548.859	1200	ug/ml