

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	EX-4-TPH-6MSD	SDG No.:	P4860
Lab Sample ID:	P4839-22MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.05 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 0:17	PB165032

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	7.66		1	0.42	1.12	mg/kg FC067812.D
Aliphatic C12-C16	Aliphatic C12-C16	7.36		1	0.27	0.74	mg/kg FC067812.D
Aliphatic C16-C21	Aliphatic C16-C21	10.6		1	0.34	1.12	mg/kg FC067812.D
Aliphatic C21-C28	Aliphatic C21-C28	13.8		1	0.89	1.49	mg/kg FC067812.D
Aliphatic C28-C40	Aliphatic C28-C40	26.0		1	2.01	2.23	mg/kg FC067812.D
Aromatic C10-C12	Aromatic C10-C12	6.28		1	0.34	0.74	mg/kg FD048771.D
Aromatic C12-C16	Aromatic C12-C16	15.1		1	0.38	1.12	mg/kg FD048771.D
Aromatic C16-C21	Aromatic C16-C21	22.7		1	1.07	1.86	mg/kg FD048771.D
Aromatic C21-C36	Aromatic C21-C36	37.6		1	2.23	2.97	mg/kg FD048771.D
Total AliphaticEPH	Total AliphaticEPH	65.4			3.93	6.70	mg/kg
Total AromaticEPH	Total AromaticEPH	81.7			4.01	6.69	mg/kg
Total EPH	Total EPH	147			7.94	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
FC067812.D	1	11/16/24	11/19/24	PB165032

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Aliphatic C21-C28	Aliphatic C21-C28	13.8		0.89	1.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.0		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4839-22MSD	Acq On:	19 Nov 2024 00:17
Client Sample ID:	EX-4-TPH-6MSD	Operator:	YP/AJ
Data file:	FC067812.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	17073606	102.982	300	ug/ml
Aliphatic C12-C16	6.449	9.838	16855603	98.927	200	ug/ml
Aliphatic C16-C21	9.839	13.196	24105998	142.116	300	ug/ml
Aliphatic C21-C28	13.197	16.850	29192307	185.607	400	ug/ml
Aliphatic C28-C40	16.851	21.691	42350168	349.68	600	ug/ml
Aliphatic EPH	3.172	21.691	129577682	879.313		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	5562605	38.32		ug/ml
Aliphatic C9-C28	3.172	16.850	87227514	529.632	1200	ug/ml