

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-003		SDG No.:	P4860	
Lab Sample ID:	P4860-04		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	97.8	
Sample Wt/Vol:	30.09	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 2:45	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	FC067814.D
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	1	0.25	0.68	mg/kg	FC067814.D
Aliphatic C16-C21	Aliphatic C16-C21	0.37	J	1	0.31	1.02	mg/kg	FC067814.D
Aliphatic C21-C28	Aliphatic C21-C28	0.82	U	1	0.82	1.36	mg/kg	FC067814.D
Aliphatic C28-C40	Aliphatic C28-C40	6.53		1	1.83	2.04	mg/kg	FC067814.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FD048773.D
Aromatic C12-C16	Aromatic C12-C16	0.48	J	1	0.35	1.02	mg/kg	FD048773.D
Aromatic C16-C21	Aromatic C16-C21	1.49	J	1	0.98	1.70	mg/kg	FD048773.D
Aromatic C21-C36	Aromatic C21-C36	2.19	J	1	2.04	2.72	mg/kg	FD048773.D
Total AliphaticEPH	Total AliphaticEPH	7.34			3.58	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.16	J		3.67	6.12	mg/kg	
Total EPH	Total EPH	11.5	J		7.26	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
FC067814.D	1	11/16/24	11/19/24	PB165032

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Aliphatic C21-C28	Aliphatic C21-C28	0.82	U	0.82	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.53		1.83	2.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.9		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4860-04	Acq On:	19 Nov 2024 02:45
Client Sample ID:	PH2-BOT-003	Operator:	YP/AJ
Data file:	FC067814.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	564233	3.403	300	ug/ml
Aliphatic C12-C16	6.449	9.838	1105695	6.489	200	ug/ml
Aliphatic C16-C21	9.839	13.196	912978	5.382	300	ug/ml
Aliphatic C21-C28	13.197	16.850	1409377	8.961	400	ug/ml
Aliphatic C28-C40	16.851	21.691	11642285	96.129	600	ug/ml
Aliphatic EPH	3.172	21.691	15634568	120.365		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	4193020	28.89		ug/ml
Aliphatic C9-C28	3.172	16.850	3992283	24.235	1200	ug/ml