

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-004		SDG No.:	P4860	
Lab Sample ID:	P4860-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	98.1	
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 8:37	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	FC067816.D
Aliphatic C12-C16	Aliphatic C12-C16	0.35	J	1	0.24	0.68	mg/kg	FC067816.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.02	mg/kg	FC067816.D
Aliphatic C21-C28	Aliphatic C21-C28	0.81	U	1	0.81	1.36	mg/kg	FC067816.D
Aliphatic C28-C40	Aliphatic C28-C40	2.30		1	1.83	2.04	mg/kg	FC067816.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.68	mg/kg	FD048775.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.35	1.02	mg/kg	FD048775.D
Aromatic C16-C21	Aromatic C16-C21	3.63		1	0.98	1.70	mg/kg	FD048775.D
Aromatic C21-C36	Aromatic C21-C36	2.04	U	1	2.04	2.71	mg/kg	FD048775.D
Total AliphaticEPH	Total AliphaticEPH	3.58	U		3.58	6.12	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.04	J		3.67	6.11	mg/kg	
Total EPH	Total EPH	7.25	U		7.25	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	
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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067816.D	1	11/16/24	11/19/24	PB165032

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Aliphatic C21-C28	Aliphatic C21-C28	0.81	U	0.81	1.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.30		1.83	2.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.1		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4860-05	Acq On:	19 Nov 2024 08:37
Client Sample ID:	PH2-BOT-004	Operator:	YP/AJ
Data file:	FC067816.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	402363	2.427	300	ug/ml
Aliphatic C12-C16	6.449	9.838	875885	5.141	200	ug/ml
Aliphatic C16-C21	9.839	13.196	456323	2.69	300	ug/ml
Aliphatic C21-C28	13.197	16.850	534171	3.396	400	ug/ml
Aliphatic C28-C40	16.851	21.691	4105991	33.903	600	ug/ml
Aliphatic EPH	3.172	21.691	6374733	47.557		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	3785982	26.08		ug/ml
Aliphatic C9-C28	3.172	16.850	2268742	13.654	1200	ug/ml