

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-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.6
Sample Wt/Vol:	30.02 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 0:53	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	1.03	mg/kg	FC067813.D
Aliphatic C12-C16	Aliphatic C12-C16	0.47	J	1	0.25	0.69	mg/kg	FC067813.D
Aliphatic C16-C21	Aliphatic C16-C21	0.96	J	1	0.31	1.03	mg/kg	FC067813.D
Aliphatic C21-C28	Aliphatic C21-C28	4.22		1	0.83	1.38	mg/kg	FC067813.D
Aliphatic C28-C40	Aliphatic C28-C40	6.76		1	1.86	2.07	mg/kg	FC067813.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.69	mg/kg	FD048772.D
Aromatic C12-C16	Aromatic C12-C16	3.52		1	0.35	1.03	mg/kg	FD048772.D
Aromatic C16-C21	Aromatic C16-C21	1.68	J	1	0.99	1.72	mg/kg	FD048772.D
Aromatic C21-C36	Aromatic C21-C36	4.83		1	2.07	2.76	mg/kg	FD048772.D
Total AliphaticEPH	Total AliphaticEPH	12.4			3.64	6.20	mg/kg	
Total AromaticEPH	Total AromaticEPH	10.0			3.73	6.20	mg/kg	
Total EPH	Total EPH	22.4			7.36	12.4	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067813.D	1	11/16/24	11/19/24	PB165032

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Aliphatic C21-C28	Aliphatic C21-C28	4.22		0.83	1.38	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.76		1.86	2.07	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.2		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4860-03	Acq On:	19 Nov 2024 00:53
Client Sample ID:	PH2-BOT-002	Operator:	YP/AJ
Data file:	FC067813.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	450422	2.717	300	ug/ml
Aliphatic C12-C16	6.449	9.838	1170792	6.871	200	ug/ml
Aliphatic C16-C21	9.839	13.196	2363878	13.936	300	ug/ml
Aliphatic C21-C28	13.197	16.850	9631908	61.24	400	ug/ml
Aliphatic C28-C40	16.851	21.691	11877843	98.074	600	ug/ml
Aliphatic EPH	3.172	21.691	25494843	182.839		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	5545169	38.2		ug/ml
Aliphatic C9-C28	3.172	16.850	13617000	84.764	1200	ug/ml