

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Edison Landfill		Date Received:	
Client Sample ID:	SED-3MS		SDG No.:	Q3586
Lab Sample ID:	Q3586-03MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	9.59		1	0.28	1.96	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	8.55		1	0.22	1.31	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	13.9		1	0.26	1.96	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	17.2		1	1.04	2.62	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1	2.32	3.93	mg/kg	FG016960.D	11/20/25 14:56	PB170577
Aromatic C10-C12	Aromatic C10-C12	8.12		1	0.24	1.31	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Aromatic C12-C16	Aromatic C12-C16	13.6		1	0.45	1.96	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Aromatic C16-C21	Aromatic C16-C21	27.8		1	0.79	3.27	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Aromatic C21-C36	Aromatic C21-C36	44.9		1	2.34	5.23	mg/kg	FF016726.D	11/17/25 19:59	PB170577
Total AliphaticEPH	Total AliphaticEPH	76.1			4.11	11.8	mg/kg			
Total AromaticEPH	Total AromaticEPH	94.4			3.81	11.8	mg/kg			
Total EPH	Total EPH	171			7.92	23.6	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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Analytical Method:	NJEPH		% Solid:	50.9
Sample Wt/Vol:	30.03 g	Final Vol: 2000 uL	Test:	EPH
Prep Method :		Prep Date 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	8.12	1		0.24	1.31	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	13.6	1		0.45	1.96	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	27.8	1		0.79	3.27	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	44.9	1		2.34	5.23	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	46.9			40 - 140	94%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	50.2			40 - 140	100%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	34.5			40 - 140	69%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-03MS	Acq On:	17 Nov 2025 19:59
Client Sample ID:	Q3586-03MS	Operator:	YP\AJ
Data file:	FF016726.D	Misc:	
Instrument:	FID_F	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	8187001	62.04	200	ug/ml
Aromatic C12-C16	6.379	9.083	14077774	104.151	300	ug/ml
Aromatic C16-C21	9.084	13.405	28459302	212.791	500	ug/ml
Aromatic C21-C36	13.406	18.870	40420856	343.521	800	ug/ml
Aromatic EPH	4.502	18.870	91144933	722.503		ug/ml
ortho-Terphenyl (SURR)	11.953	11.953	5071986	34.54		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	5315856	46.91		ug/ml
2-Fluorobiphenyl (SURR)	8.886	8.886	3581574	50.22		ug/ml