

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-2	SDG No.:	Q3586
Lab Sample ID:	Q3586-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	41.4
Sample Wt/Vol:	30.08 g	Test:	EPH
Prep Method :	Final Vol: 2000 uL 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	0.56	J	1	0.34	2.41	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.82	J	1	0.27	1.61	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.99	J	1	0.31	2.41	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	1.31	J	1	1.28	3.21	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	5.57		1	2.84	4.82	mg/kg	FG016930.D	11/17/25 18:31	PB170577
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.29	1.61	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Aromatic C12-C16	Aromatic C12-C16	0.99	J	1	0.55	2.41	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Aromatic C16-C21	Aromatic C16-C21	9.51		1	0.96	4.02	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.87	U	1	2.87	6.42	mg/kg	FF016723.D	11/17/25 18:31	PB170577
Total AliphaticEPH	Total AliphaticEPH	9.25	J		5.04	14.5	mg/kg			
Total AromaticEPH	Total AromaticEPH	10.9	J		4.68	14.5	mg/kg			
Total EPH	Total EPH	20.2	J		9.71	28.9	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:	41.4
Sample Wt/Vol:	30.08 g	Final Vol:	2000 uL
Prep Method :		Prep Date	11/17/25
		Test:	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aromatic C10-C12	Aromatic C10-C12	0.43	J	1	0.29	1.61	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	0.99	J	1	0.55	2.41	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	9.51		1	0.96	4.02	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.87	U	1	2.87	6.42	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	46.5			40 - 140	93%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	49.5			40 - 140	99%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.5			40 - 140	59%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-02	Acq On:	17 Nov 2025 18:31
Client Sample ID:	SED-2	Operator:	YP\AJ
Data file:	FF016723.D	Misc:	
Instrument:	FID_F	ALS Vial:	77
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	349642	2.65	200	ug/ml
Aromatic C12-C16	6.379	9.083	829078	6.134	300	ug/ml
Aromatic C16-C21	9.084	13.405	7920540	59.222	500	ug/ml
Aromatic C21-C36	13.406	18.870	1394935	11.855	800	ug/ml
Aromatic EPH	4.502	18.870	10494195	79.86		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	4332904	29.51		ug/ml
2-Bromonaphthalene (SURR)	8.010	8.010	5264631	46.46		ug/ml
2-Fluorobiphenyl (SURR)	8.885	8.885	3530106	49.5		ug/ml