

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SED-3	SDG No.:	Q3586
Lab Sample ID:	Q3586-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	50.9
Sample Wt/Vol:	30.07 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	0.38	J	1	0.27	1.96	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C12-C16	Aliphatic C12-C16	0.34	J	1	0.22	1.31	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C16-C21	Aliphatic C16-C21	0.45	J	1	0.26	1.96	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C21-C28	Aliphatic C21-C28	1.28	J	1	1.04	2.61	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aliphatic C28-C40	Aliphatic C28-C40	4.64		1	2.31	3.92	mg/kg	FG016958.D	11/20/25 13:13	PB170577
Aromatic C10-C12	Aromatic C10-C12	0.25	J	1	0.24	1.31	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Aromatic C12-C16	Aromatic C12-C16	4.66		1	0.45	1.96	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Aromatic C16-C21	Aromatic C16-C21	2.53	J	1	0.78	3.27	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.33	U	1	2.33	5.23	mg/kg	FF016724.D	11/17/25 19:01	PB170577
Total AliphaticEPH	Total AliphaticEPH	7.09	J		4.09	11.8	mg/kg			
Total AromaticEPH	Total AromaticEPH	7.44	J		3.80	11.8	mg/kg			
Total EPH	Total EPH	14.5	J		7.89	23.5	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:	30.07 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH
	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	0.25	J	1	0.24	1.31	mg/kg	11/17/25	PB170577
Aromatic C12-C16	Aromatic C12-C16	4.66		1	0.45	1.96	mg/kg	11/17/25	PB170577
Aromatic C16-C21	Aromatic C16-C21	2.53	J	1	0.78	3.27	mg/kg	11/17/25	PB170577
Aromatic C21-C36	Aromatic C21-C36	2.33	U	1	2.33	5.23	mg/kg	11/17/25	PB170577
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	55.6			40 - 140	111%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	59.1			40 - 140	118%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	47.4			40 - 140	95%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3586-03	Acq On:	17 Nov 2025 19:01
Client Sample ID:	SED-3	Operator:	YP\AJ
Data file:	FF016724.D	Misc:	
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.502	6.378	251867	1.909	200	ug/ml
Aromatic C12-C16	6.379	9.083	4815581	35.627	300	ug/ml
Aromatic C16-C21	9.084	13.405	2587692	19.348	500	ug/ml
Aromatic C21-C36	13.406	18.870	890465	7.568	800	ug/ml
Aromatic EPH	4.502	18.870	8545605	64.452		ug/ml
2-Bromonaphthalene (SURR)	8.011	8.011	6303217	55.62		ug/ml
2-Fluorobiphenyl (SURR)	8.886	8.886	4211923	59.06		ug/ml
ortho-Terphenyl (SURR)	11.954	11.954	6957013	47.37		ug/ml