

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/06/25
Project:	Edison Landfill	Date Received:	11/07/25
Client Sample ID:	SW-1	SDG No.:	Q3584
Lab Sample ID:	Q3584-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 mL	Test:	EPH
Prep Method :	Final Vol: 2000 uL Prep Date : 11/12/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	8.36	U	1	8.36	30.3	ug/l	FG016908.D	11/13/25 12:38	PB170496
Aliphatic C12-C16	Aliphatic C12-C16	13.6	U	1	13.6	20.2	ug/l	FG016908.D	11/13/25 12:38	PB170496
Aliphatic C16-C21	Aliphatic C16-C21	61.1		1	8.42	30.3	ug/l	FG016908.D	11/13/25 12:38	PB170496
Aliphatic C21-C28	Aliphatic C21-C28	23.1	J	1	12.6	40.4	ug/l	FG016908.D	11/13/25 12:38	PB170496
Aliphatic C28-C40	Aliphatic C28-C40	112		1	24.0	60.6	ug/l	FG016908.D	11/13/25 12:38	PB170496
Aromatic C10-C12	Aromatic C10-C12	4.22	J	1	2.09	20.2	ug/l	FF016660.D	11/12/25 16:55	PB170496
Aromatic C12-C16	Aromatic C12-C16	6.88	J	1	4.30	30.3	ug/l	FF016660.D	11/12/25 16:55	PB170496
Aromatic C16-C21	Aromatic C16-C21	32.7	J	1	8.35	50.5	ug/l	FF016660.D	11/12/25 16:55	PB170496
Aromatic C21-C36	Aromatic C21-C36	24.0	U	1	24.0	80.8	ug/l	FF016660.D	11/12/25 16:55	PB170496
Total AliphaticEPH	Total AliphaticEPH	196			67.0	182	ug/l			
Total AromaticEPH	Total AromaticEPH	43.8	J		38.7	182	ug/l			
Total EPH	Total EPH	240	J		106	364	ug/l			

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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Aliphatic C21-C28	Aliphatic C21-C28	23.1	J	1	12.6	40.4	ug/l	11/13/25	PB170496
Aliphatic C28-C40	Aliphatic C28-C40	112		1	24.0	60.6	ug/l	11/13/25	PB170496
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.5			40 - 140	55%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3584-01	Acq On:	13 Nov 2025 12:38
Client Sample ID:	SW-1	Operator:	YP\AJ
Data file:	FG016908.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.260	6.903	346034	2.836	300	ug/ml
Aliphatic C12-C16	6.904	10.362	539574	4.392	200	ug/ml
Aliphatic C16-C21	10.363	13.751	4005888	30.257	300	ug/ml
Aliphatic C21-C28	13.752	17.437	1593074	11.458	400	ug/ml
Aliphatic C28-C40	17.438	22.462	6356082	55.856	600	ug/ml
Aliphatic EPH	3.260	22.462	12840652	104.799		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.487	13.487	3316772	27.54		ug/ml
Aliphatic C9-C28	3.260	17.437	6484570	48.943	1200	ug/ml