

Report of Analysis

Client:	CDM Smith	Date Collected:	09/30/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV1-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056155.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.31	J	0.17	1.19	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.44	J	0.13	0.79	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.43	J	0.15	1.19	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.63	U	0.63	1.58	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.26		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3257-01	Acq On:	02 Oct 2025 19:05
Client Sample ID:	ENV1-6FT	Operator:	YP\AJ
Data file:	FE056155.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	542973	3.878	300	ug/ml
Aliphatic C12-C16	6.946	10.395	852070	5.555	200	ug/ml
Aliphatic C16-C21	10.396	13.772	893896	5.389	300	ug/ml
Aliphatic C21-C28	13.773	17.442	774222	5.213	400	ug/ml
Aliphatic C28-C40	17.443	22.448	12524086	91.919	600	ug/ml
Aliphatic EPH	3.311	22.448	15587247	111.953		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4674012	33.49		ug/ml
Aliphatic C9-C28	3.311	17.442	3063161	20.035	1200	ug/ml