

Report of Analysis

Client:	CDM Smith	Date Collected:	09/29/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	09/30/25
Client Sample ID:	ENV2-6FT	SDG No.:	Q3257
Lab Sample ID:	Q3257-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/02/25 09:05	10/02/25 19:35	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.25	J	1	0.17	1.18	mg/kg	FE056156.D
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	1	0.13	0.79	mg/kg	FE056156.D
Aliphatic C16-C21	Aliphatic C16-C21	0.33	J	1	0.15	1.18	mg/kg	FE056156.D
Aliphatic C21-C28	Aliphatic C21-C28	0.63	U	1	0.63	1.57	mg/kg	FE056156.D
Aliphatic C28-C40	Aliphatic C28-C40	7.29		1	1.39	2.36	mg/kg	FE056156.D
Aromatic C10-C12	Aromatic C10-C12	0.22	J	1	0.14	0.79	mg/kg	FD049807.D
Aromatic C12-C16	Aromatic C12-C16	0.30	J	1	0.27	1.18	mg/kg	FD049807.D
Aromatic C16-C21	Aromatic C16-C21	1.49	J	1	0.47	1.97	mg/kg	FD049807.D
Aromatic C21-C36	Aromatic C21-C36	1.40	U	1	1.40	3.15	mg/kg	FD049807.D
Total AliphaticEPH	Total AliphaticEPH	8.23			2.46	7.08	mg/kg	
Total AromaticEPH	Total AromaticEPH	2.29	U		2.29	7.09	mg/kg	
Total EPH	Total EPH	10.2	J		4.75	14.2	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049807.D	1	10/02/25	10/02/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.22	J	0.14	0.79	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.30	J	0.27	1.18	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.49	J	0.47	1.97	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.40	U	1.40	3.15	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	47.6		40 - 140	95%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	47.6		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.1		40 - 140	42%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3257-02	Acq On:	02 Oct 2025 21:44
Client Sample ID:	ENV2-6FT	Operator:	YP/AJ
Data file:	FD049807.D	Misc:	
Instrument:	FID_D	ALS Vial:	70
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	344049	2.802	200	ug/ml
Aromatic C12-C16	6.132	8.759	548015	3.823	300	ug/ml
Aromatic C16-C21	8.760	13.049	2694138	18.95	500	ug/ml
Aromatic C21-C36	13.050	18.468	1565812	12.646	800	ug/ml
Aromatic EPH	4.389	18.468	5152014	38.22		ug/ml
2-Bromonaphthalene (SURRE)	7.698	7.698	5656632	47.61		ug/ml
2-Fluorobiphenyl (SURRE)	8.563	8.563	4038060	47.56		ug/ml
ortho-Terphenyl (SURRE)	11.606	11.606	3155571	21.14		ug/ml