

Report of Analysis

Client:	CDM Smith	Date Collected:	10/01/25
Project:	MWCO CJO WTP Edison 295110	Date Received:	10/01/25
Client Sample ID:	ENV-3-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.3
Sample Wt/Vol:	30.05 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 20:05	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.23	J	1	0.17	1.24	mg/kg	FE056157.D
Aliphatic C12-C16	Aliphatic C12-C16	0.35	J	1	0.14	0.83	mg/kg	FE056157.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	J	1	0.16	1.24	mg/kg	FE056157.D
Aliphatic C21-C28	Aliphatic C21-C28	0.66	U	1	0.66	1.66	mg/kg	FE056157.D
Aliphatic C28-C40	Aliphatic C28-C40	6.31		1	1.47	2.49	mg/kg	FE056157.D
Aromatic C10-C12	Aromatic C10-C12	0.27	J	1	0.15	0.83	mg/kg	FD049815.D
Aromatic C12-C16	Aromatic C12-C16	2.80		1	0.29	1.24	mg/kg	FD049815.D
Aromatic C16-C21	Aromatic C16-C21	1.36	J	1	0.50	2.07	mg/kg	FD049815.D
Aromatic C21-C36	Aromatic C21-C36	1.48	U	1	1.48	3.32	mg/kg	FD049815.D
Total AliphaticEPH	Total AliphaticEPH	7.24	J		2.60	7.46	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.43	J		2.41	7.46	mg/kg	
Total EPH	Total EPH	11.7	J		5.01	14.9	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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049815.D	1	10/02/25	10/03/25	PB169950

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.27	J	0.15	0.83	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.80		0.29	1.24	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.36	J	0.50	2.07	mg/kg
Aromatic C21-C36	Aromatic C21-C36	1.48	U	1.48	3.32	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	50.0		40 - 140	100%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	50.3		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3266-01	Acq On:	03 Oct 2025 11:00
Client Sample ID:	ENV-3-6FT	Operator:	YP/AJ
Data file:	FD049815.D	Misc:	
Instrument:	FID_D	ALS Vial:	56
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.432	6.134	396631	3.23	200	ug/ml
Aromatic C12-C16	6.135	8.763	4843280	33.784	300	ug/ml
Aromatic C16-C21	8.764	13.053	2338399	16.448	500	ug/ml
Aromatic C21-C36	13.054	18.473	1604491	12.958	800	ug/ml
Aromatic EPH	4.432	18.473	9182801	66.42		ug/ml
ortho-Terphenyl (SURR)	11.610	11.610	3901319	26.13		ug/ml
2-Bromonaphthalene (SURR)	7.701	7.701	5941401	50.01		ug/ml
2-Fluorobiphenyl (SURR)	8.565	8.565	4269872	50.29		ug/ml