

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-4-6FT	SDG No.:	Q3266
Lab Sample ID:	Q3266-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.06 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 20:36	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.36	J	1	0.16	1.15	mg/kg	FE056158.D
Aliphatic C12-C16	Aliphatic C12-C16	0.60	J	1	0.13	0.77	mg/kg	FE056158.D
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	1	0.15	1.15	mg/kg	FE056158.D
Aliphatic C21-C28	Aliphatic C21-C28	1.11	J	1	0.61	1.53	mg/kg	FE056158.D
Aliphatic C28-C40	Aliphatic C28-C40	7.08		1	1.35	2.29	mg/kg	FE056158.D
Aromatic C10-C12	Aromatic C10-C12	0.32	J	1	0.14	0.77	mg/kg	FD049809.D
Aromatic C12-C16	Aromatic C12-C16	0.36	J	1	0.26	1.15	mg/kg	FD049809.D
Aromatic C16-C21	Aromatic C16-C21	2.95		1	0.46	1.91	mg/kg	FD049809.D
Aromatic C21-C36	Aromatic C21-C36	8.16		1	1.37	3.06	mg/kg	FD049809.D
Total AliphaticEPH	Total AliphaticEPH	9.61			2.39	6.88	mg/kg	
Total AromaticEPH	Total AromaticEPH	11.8			2.23	6.88	mg/kg	
Total EPH	Total EPH	21.4			4.63	13.8	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049809.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	0.32	J	0.14	0.77	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.36	J	0.26	1.15	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.95		0.46	1.91	mg/kg
Aromatic C21-C36	Aromatic C21-C36	8.16		1.37	3.06	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.1		40 - 140	98%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3266-02	Acq On:	02 Oct 2025 23:07
Client Sample ID:	ENV-3-6FT	Operator:	YP/AJ
Data file:	FD049809.D	Misc:	
Instrument:	FID_D	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	508884	4.144	200	ug/ml
Aromatic C12-C16	6.132	8.759	666863	4.652	300	ug/ml
Aromatic C16-C21	8.760	13.049	5478100	38.532	500	ug/ml
Aromatic C21-C36	13.050	18.468	13205354	106.648	800	ug/ml
Aromatic EPH	4.389	18.468	19859201	153.976		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	5450117	36.51		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	5839926	49.15		ug/ml
2-Fluorobiphenyl (SURR)	8.563	8.563	4156975	48.96		ug/ml