

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BS	SDG No.:	Q3257
Lab Sample ID:	PB169950BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 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 15:32	PB169950

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	5.10		1	0.14	1.00	mg/kg FE056148.D
Aliphatic C12-C16	Aliphatic C12-C16	4.79		1	0.11	0.67	mg/kg FE056148.D
Aliphatic C16-C21	Aliphatic C16-C21	8.05		1	0.13	1.00	mg/kg FE056148.D
Aliphatic C21-C28	Aliphatic C21-C28	10.6		1	0.53	1.33	mg/kg FE056148.D
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1	1.18	2.00	mg/kg FE056148.D
Aromatic C10-C12	Aromatic C10-C12	4.37		1	0.12	0.67	mg/kg FD049799.D
Aromatic C12-C16	Aromatic C12-C16	7.19		1	0.23	1.00	mg/kg FD049799.D
Aromatic C16-C21	Aromatic C16-C21	14.7		1	0.40	1.67	mg/kg FD049799.D
Aromatic C21-C36	Aromatic C21-C36	24.8		1	1.19	2.66	mg/kg FD049799.D
Total AliphaticEPH	Total AliphaticEPH	46.4			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	51.1			1.94	6.00	mg/kg
Total EPH	Total EPH	97.5			4.03	12.0	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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	MWCO CJO WTP Edison 295110	Date Received:	
Client Sample ID:	PB169950BS	SDG No.:	Q3257
Lab Sample ID:	PB169950BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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
FD049799.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	4.37		0.12	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	7.19		0.23	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	14.7		0.40	1.67	mg/kg
Aromatic C21-C36	Aromatic C21-C36	24.8		1.19	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.1		40 - 140	76%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.9		40 - 140	86%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	PB169950BS	Acq On:	02 Oct 2025 16:01
Client Sample ID:	PB169950BS	Operator:	YP/AJ
Data file:	FD049799.D	Misc:	
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	8045935	65.526	200	ug/ml
Aromatic C12-C16	6.132	8.759	15474304	107.941	300	ug/ml
Aromatic C16-C21	8.760	13.049	31275271	219.983	500	ug/ml
Aromatic C21-C36	13.050	18.468	46046516	371.877	800	ug/ml
Aromatic EPH	4.389	18.468	100842026	765.327		ug/ml
ortho-Terphenyl (SURR)	11.609	11.609	6400876	42.88		ug/ml
2-Bromonaphthalene (SURR)	7.697	7.697	4532878	38.15		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	3230599	38.05		ug/ml