

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Edison FOPL2	Date Received:	
Client Sample ID:	TP-2MSD	SDG No.:	Q3123
Lab Sample ID:	Q3123-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.5
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
09/22/25 08:35	09/22/25 19:27	PB169768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	7.35		1	0.16	1.10	mg/kg FE055932.D
Aliphatic C12-C16	Aliphatic C12-C16	7.72		1	0.12	0.74	mg/kg FE055932.D
Aliphatic C16-C21	Aliphatic C16-C21	12.1		1	0.14	1.10	mg/kg FE055932.D
Aliphatic C21-C28	Aliphatic C21-C28	15.0		1	0.59	1.47	mg/kg FE055932.D
Aliphatic C28-C40	Aliphatic C28-C40	29.1		1	1.30	2.21	mg/kg FE055932.D
Aromatic C10-C12	Aromatic C10-C12	5.45		1	0.13	0.74	mg/kg FD049744.D
Aromatic C12-C16	Aromatic C12-C16	10.6		1	0.25	1.10	mg/kg FD049744.D
Aromatic C16-C21	Aromatic C16-C21	36.2		1	0.44	1.84	mg/kg FD049744.D
Aromatic C21-C36	Aromatic C21-C36	54.9		1	1.31	2.94	mg/kg FD049744.D
Total AliphaticEPH	Total AliphaticEPH	71.3			2.31	6.62	mg/kg
Total AromaticEPH	Total AromaticEPH	107			2.14	6.62	mg/kg
Total EPH	Total EPH	178			4.44	13.2	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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Analytical Method:	NJEPH	% Solid:	90.5
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
FD049744.D	1	09/22/25	09/22/25	PB169768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	5.45		0.13	0.74	mg/kg
Aromatic C12-C16	Aromatic C12-C16	10.6		0.25	1.10	mg/kg
Aromatic C16-C21	Aromatic C16-C21	36.2		0.44	1.84	mg/kg
Aromatic C21-C36	Aromatic C21-C36	54.9		1.31	2.94	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.6		40 - 140	93%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	40.0		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3123-01MSD	Acq On:	22 Sep 2025 19:15
Client Sample ID:	Q3123-01MSD	Operator:	YP/AJ
Data file:	FD049744.D	Misc:	
Instrument:	FID_D	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.389	6.131	8588803	74.006	200	ug/ml
Aromatic C12-C16	6.132	8.759	19649423	144.624	300	ug/ml
Aromatic C16-C21	8.760	13.050	66677932	491.108	500	ug/ml
Aromatic C21-C36	13.051	18.469	88284067	746.135	800	ug/ml
Aromatic EPH	4.389	18.469	183200225	1460		ug/ml
2-Bromonaphthalene (SURRE)	7.698	7.698	5245254	46.64		ug/ml
2-Fluorobiphenyl (SURRE)	8.562	8.562	3213511	40.03		ug/ml
ortho-Terphenyl (SURRE)	11.610	11.610	4502339	31.82		ug/ml