

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-01	SDG No.:	Q3178
Lab Sample ID:	Q3178-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/25/25 08:15	09/25/25 19:52	PB169823

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.32	J	1	0.20	1.40	mg/kg	FG016656.D
Aliphatic C12-C16	Aliphatic C12-C16	1.39		1	0.15	0.93	mg/kg	FG016656.D
Aliphatic C16-C21	Aliphatic C16-C21	4.12		1	0.18	1.40	mg/kg	FG016656.D
Aliphatic C21-C28	Aliphatic C21-C28	0.74	U	1	0.74	1.87	mg/kg	FG016656.D
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1	1.65	2.80	mg/kg	FG016656.D
Aromatic C10-C12	Aromatic C10-C12	0.49	J	1	0.17	0.93	mg/kg	FD049766.D
Aromatic C12-C16	Aromatic C12-C16	2.39		1	0.32	1.40	mg/kg	FD049766.D
Aromatic C16-C21	Aromatic C16-C21	3.83		1	0.56	2.33	mg/kg	FD049766.D
Aromatic C21-C36	Aromatic C21-C36	4.20		1	1.67	3.73	mg/kg	FD049766.D
Total AliphaticEPH	Total AliphaticEPH	32.4			2.92	8.40	mg/kg	
Total AromaticEPH	Total AromaticEPH	10.9			2.72	8.39	mg/kg	
Total EPH	Total EPH	43.3			5.64	16.8	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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Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD049766.D	1	09/25/25	09/26/25	PB169823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.49	J	0.17	0.93	mg/kg
Aromatic C12-C16	Aromatic C12-C16	2.39		0.32	1.40	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.83		0.56	2.33	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4.20		1.67	3.73	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	38.8		40 - 140	78%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.8		40 - 140	70%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3178-01	Acq On:	26 Sep 2025 09:52
Client Sample ID:	EME-TS14-01	Operator:	YP/AJ
Data file:	FD049766.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	4.389	6.132	611560	5.27	200	ug/ml
Aromatic C12-C16	6.133	8.761	3487360	25.668	300	ug/ml
Aromatic C16-C21	8.762	13.054	5571334	41.035	500	ug/ml
Aromatic C21-C36	13.055	18.477	5331907	45.063	800	ug/ml
Aromatic EPH	4.389	18.477	15002161	117.035		ug/ml
2-Bromonaphthalene (SURR)	7.698	7.698	4368269	38.84		ug/ml
2-Fluorobiphenyl (SURR)	8.562	8.562	2593804	32.31		ug/ml
ortho-Terphenyl (SURR)	11.611	11.611	4924114	34.8		ug/ml