

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS12-01	SDG No.:	Q3176
Lab Sample ID:	Q3176-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	66.1
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
09/25/25 08:15	09/25/25 18:22	PB169823

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.55	J	1	0.21	1.51	mg/kg	FG016653.D
Aliphatic C12-C16	Aliphatic C12-C16	2.05		1	0.17	1.01	mg/kg	FG016653.D
Aliphatic C16-C21	Aliphatic C16-C21	0.78	J	1	0.20	1.51	mg/kg	FG016653.D
Aliphatic C21-C28	Aliphatic C21-C28	1.95	J	1	0.80	2.01	mg/kg	FG016653.D
Aliphatic C28-C40	Aliphatic C28-C40	45.4		1	1.78	3.02	mg/kg	FG016653.D
Aromatic C10-C12	Aromatic C10-C12	0.31	J	1	0.18	1.01	mg/kg	FF016454.D
Aromatic C12-C16	Aromatic C12-C16	3.22		1	0.35	1.51	mg/kg	FF016454.D
Aromatic C16-C21	Aromatic C16-C21	3.22		1	0.60	2.52	mg/kg	FF016454.D
Aromatic C21-C36	Aromatic C21-C36	5.63		1	1.80	4.03	mg/kg	FF016454.D
Total AliphaticEPH	Total AliphaticEPH	50.7			3.15	9.06	mg/kg	
Total AromaticEPH	Total AromaticEPH	12.4			2.93	9.07	mg/kg	
Total EPH	Total EPH	63.1			6.08	18.1	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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Lab Sample ID:	Q3176-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	66.1	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016454.D	1	09/25/25	09/25/25	PB169823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.31	J	0.18	1.01	mg/kg
Aromatic C12-C16	Aromatic C12-C16	3.22		0.35	1.51	mg/kg
Aromatic C16-C21	Aromatic C16-C21	3.22		0.60	2.52	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.63		1.80	4.03	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	42.9		40 - 140	86%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	42.4		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.7		40 - 140	49%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3176-01	Acq On:	25 Sep 2025 16:52
Client Sample ID:	EME-TS12-01	Operator:	YP\AJ
Data file:	FF016454.D	Misc:	
Instrument:	FID_F	ALS Vial:	83
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.521	6.398	438274	3.058	200	ug/ml
Aromatic C12-C16	6.399	9.102	4646201	32.002	300	ug/ml
Aromatic C16-C21	9.103	13.422	4605574	31.945	500	ug/ml
Aromatic C21-C36	13.423	18.876	7316564	55.922	800	ug/ml
Aromatic EPH	4.521	18.876	17006613	122.927		ug/ml
ortho-Terphenyl (SURR)	11.979	11.979	3772102	24.74		ug/ml
2-Bromonaphthalene (SURR)	8.034	8.034	5378435	42.94		ug/ml
2-Fluorobiphenyl (SURR)	8.912	8.912	3575060	42.39		ug/ml