

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	09/23/25
Project:	RFP 916	Date Received:	09/23/25
Client Sample ID:	EME-TS14-02	SDG No.:	Q3176
Lab Sample ID:	Q3176-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70
Sample Wt/Vol:	30.07 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 19:22	PB169823

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.46	J	1	0.20	1.43	mg/kg	FG016655.D
Aliphatic C12-C16	Aliphatic C12-C16	1.82		1	0.16	0.95	mg/kg	FG016655.D
Aliphatic C16-C21	Aliphatic C16-C21	0.71	J	1	0.19	1.43	mg/kg	FG016655.D
Aliphatic C21-C28	Aliphatic C21-C28	1.37	J	1	0.76	1.90	mg/kg	FG016655.D
Aliphatic C28-C40	Aliphatic C28-C40	30.0		1	1.68	2.85	mg/kg	FG016655.D
Aromatic C10-C12	Aromatic C10-C12	0.25	J	1	0.17	0.95	mg/kg	FF016464.D
Aromatic C12-C16	Aromatic C12-C16	0.58	J	1	0.33	1.43	mg/kg	FF016464.D
Aromatic C16-C21	Aromatic C16-C21	2.40		1	0.57	2.38	mg/kg	FF016464.D
Aromatic C21-C36	Aromatic C21-C36	2.60	J	1	1.70	3.80	mg/kg	FF016464.D
Total AliphaticEPH	Total AliphaticEPH	34.4			2.98	8.56	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.84	J		2.77	8.56	mg/kg	
Total EPH	Total EPH	40.2			5.75	17.1	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016464.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	0.25	J	0.17	0.95	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.58	J	0.33	1.43	mg/kg
Aromatic C16-C21	Aromatic C16-C21	2.40		0.57	2.38	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.60	J	1.70	3.80	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.2		40 - 140	102%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	43.9		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.0		40 - 140	74%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3176-03	Acq On:	26 Sep 2025 09:41
Client Sample ID:	EME-TS14-02	Operator:	YP\AJ
Data file:	FF016464.D	Misc:	
Instrument:	FID_F	ALS Vial:	92
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.521	6.398	381508	2.662	200	ug/ml
Aromatic C12-C16	6.399	9.102	892041	6.144	300	ug/ml
Aromatic C16-C21	9.103	13.422	3646195	25.29	500	ug/ml
Aromatic C21-C36	13.423	18.876	3575121	27.326	800	ug/ml
Aromatic EPH	4.521	18.876	8494865	61.422		ug/ml
ortho-Terphenyl (SURR)	11.977	11.977	5637601	36.98		ug/ml
2-Bromonaphthalene (SURR)	8.033	8.033	6415274	51.21		ug/ml
2-Fluorobiphenyl (SURR)	8.909	8.909	3705467	43.94		ug/ml