

Report of Analysis

Client:	Weston Solutions, Inc.		Date Collected:		
Project:	RFP 905		Date Received:		
Client Sample ID:	PB167362BSD		SDG No.:	Q1664	
Lab Sample ID:	PB167362BSD		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
03/28/25 08:10	03/28/25 17:28	PB167362

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.02		1	0.14	1.00	mg/kg	FF015745.D
Aliphatic C12-C16	Aliphatic C12-C16	4.35		1	0.11	0.67	mg/kg	FF015745.D
Aliphatic C16-C21	Aliphatic C16-C21	7.93		1	0.13	1.00	mg/kg	FF015745.D
Aliphatic C21-C28	Aliphatic C21-C28	10.9		1	0.53	1.33	mg/kg	FF015745.D
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1	1.18	2.00	mg/kg	FF015745.D
Aromatic C10-C12	Aromatic C10-C12	4.49		1	0.12	0.67	mg/kg	FG015575.D
Aromatic C12-C16	Aromatic C12-C16	7.88		1	0.23	1.00	mg/kg	FG015575.D
Aromatic C16-C21	Aromatic C16-C21	15.0		1	0.40	1.67	mg/kg	FG015575.D
Aromatic C21-C36	Aromatic C21-C36	26.1		1	1.19	2.66	mg/kg	FG015575.D
Total AliphaticEPH	Total AliphaticEPH	45.7			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	53.5			1.94	6.00	mg/kg	
Total EPH	Total EPH	99.2			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

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Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015745.D	1	03/28/25	03/28/25	PB167362

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.02		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	4.35		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	7.93		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	10.9		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.5		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167362BSD	Acq On:	28 Mar 2025 17:28
Client Sample ID:	PB167362BSD	Operator:	YP\AJ
Data file:	FF015745.D	Misc:	
Instrument:	FID_F	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.211	6.833	9678256	75.337	300	ug/ml
Aliphatic C12-C16	6.834	10.268	8594881	65.304	200	ug/ml
Aliphatic C16-C21	10.269	13.634	16106390	118.977	300	ug/ml
Aliphatic C21-C28	13.635	17.200	21589497	163.213	400	ug/ml
Aliphatic C28-C40	17.201	22.202	28418419	262.776	600	ug/ml
Aliphatic EPH	3.211	22.202	84387443	685.606		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.372	13.372	4827939	42.54		ug/ml
Aliphatic C9-C28	3.211	17.200	55969024	422.831	1200	ug/ml