

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF16-02	SDG No.:	P4620
Lab Sample ID:	P4620-29	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.2
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
11/03/24 08:45	11/05/24 10:18	PB164618

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.40	U	1	0.40	1.05	mg/kg	FC067628.D
Aliphatic C12-C16	Aliphatic C12-C16	0.47	J	1	0.25	0.70	mg/kg	FC067628.D
Aliphatic C16-C21	Aliphatic C16-C21	0.46	J	1	0.32	1.05	mg/kg	FC067628.D
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	1.40	mg/kg	FC067628.D
Aliphatic C28-C40	Aliphatic C28-C40	2.68		1	1.89	2.10	mg/kg	FC067628.D
Aromatic C10-C12	Aromatic C10-C12	0.32	U	1	0.32	0.70	mg/kg	FD048655.D
Aromatic C12-C16	Aromatic C12-C16	0.36	U	1	0.36	1.05	mg/kg	FD048655.D
Aromatic C16-C21	Aromatic C16-C21	1.01	U	1	1.01	1.75	mg/kg	FD048655.D
Aromatic C21-C36	Aromatic C21-C36	2.10	U	1	2.10	2.80	mg/kg	FD048655.D
Total AliphaticEPH	Total AliphaticEPH	3.69	U		3.69	6.30	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.78	U		3.78	6.30	mg/kg	
Total EPH	Total EPH	7.48	U		7.48	12.6	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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FC067628.D	1	11/03/24	11/05/24	PB164618

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Aliphatic C28-C40	Aliphatic C28-C40	2.68		1.89	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.4		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4620-29	Acq On:	05 Nov 2024 10:18
Client Sample ID:	P001-CF16-02	Operator:	YP/AJ
Data file:	FC067628.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.449	432931	3.196	300	ug/ml
Aliphatic C12-C16	6.450	9.838	876738	6.658	200	ug/ml
Aliphatic C16-C21	9.839	13.196	834408	6.558	300	ug/ml
Aliphatic C21-C28	13.197	16.847	796258	6.63	400	ug/ml
Aliphatic C28-C40	16.848	21.685	3867879	38.261	600	ug/ml
Aliphatic EPH	3.171	21.685	6808214	61.303		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.928	12.928	2851347	26.4		ug/ml
Aliphatic C9-C28	3.171	16.847	2940335	23.042	1200	ug/ml