

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	10/29/24
Project:	RFP 872	Date Received:	10/29/24
Client Sample ID:	P001-CF07-01	SDG No.:	P4620
Lab Sample ID:	P4620-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.5
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
11/03/24 08:45	11/04/24 17:14	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	1.04	mg/kg	FC067605.D
Aliphatic C12-C16	Aliphatic C12-C16	0.25	U	1	0.25	0.70	mg/kg	FC067605.D
Aliphatic C16-C21	Aliphatic C16-C21	0.31	U	1	0.31	1.04	mg/kg	FC067605.D
Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	1	0.84	1.39	mg/kg	FC067605.D
Aliphatic C28-C40	Aliphatic C28-C40	1.88	U	1	1.88	2.09	mg/kg	FC067605.D
Aromatic C10-C12	Aromatic C10-C12	0.31	U	1	0.31	0.70	mg/kg	FD048642.D
Aromatic C12-C16	Aromatic C12-C16	0.36	U	1	0.36	1.04	mg/kg	FD048642.D
Aromatic C16-C21	Aromatic C16-C21	1.00	U	1	1.00	1.74	mg/kg	FD048642.D
Aromatic C21-C36	Aromatic C21-C36	2.09	U	1	2.09	2.79	mg/kg	FD048642.D
Total AliphaticEPH	Total AliphaticEPH	3.68	U		3.68	6.26	mg/kg	
Total AromaticEPH	Total AromaticEPH	3.76	U		3.76	6.27	mg/kg	
Total EPH	Total EPH	7.43	U		7.43	12.5	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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FC067605.D	1	11/03/24	11/04/24	PB164618

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Aliphatic C21-C28	Aliphatic C21-C28	0.84	U	0.84	1.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.88	U	1.88	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4620-03	Acq On:	04 Nov 2024 17:14
Client Sample ID:	P001-CF07-01	Operator:	YP/AJ
Data file:	FC067605.D	Misc:	
Instrument:	FID_C	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.449	117884	0.87	300	ug/ml
Aliphatic C12-C16	6.450	9.838	38234	0.29	200	ug/ml
Aliphatic C16-C21	9.839	13.196	49241	0.387	300	ug/ml
Aliphatic C21-C28	13.197	16.847	189508	1.578	400	ug/ml
Aliphatic C28-C40	16.848	21.685	544280	5.384	600	ug/ml
Aliphatic EPH	3.171	21.685	939147	8.51		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.928	12.928	4330615	40.1		ug/ml
Aliphatic C9-C28	3.171	16.847	394867	3.125	1200	ug/ml