

Report of Analysis

Client:	Weston Solutions, Inc.	Date Collected:	02/24/25
Project:	RFP 905	Date Received:	02/24/25
Client Sample ID:	P001-CLAY-CF01-01	SDG No.:	Q1421
Lab Sample ID:	Q1421-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 08:00	02/28/25 17:44	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS								
Total AliphaticEPH	Total AliphaticEPH	4.01	J		2.97	4.26	8.52	mg/kg
Total AromaticEPH	Total AromaticEPH	5.11	U		5.11	4.26	8.53	mg/kg
Total EPH	Total EPH	8.08	U		8.08	8.52	17.0	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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Sample Wt/Vol:	30.05	Units: g	Final Vol:	2000	uL
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Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	02/28/25 17:44	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aromatic C10-C12	Aromatic C10-C12	0.47	J	1	0.43	0.95	mg/kg	FD049140.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.48	1.42	mg/kg	FD049140.D
Aromatic C16-C21	Aromatic C16-C21	2.61		1	1.36	2.37	mg/kg	FD049140.D
Aromatic C21-C36	Aromatic C21-C36	2.84	U	1	2.84	3.79	mg/kg	FD049140.D
Total AliphaticEPH	Total AliphaticEPH	4.01	J		2.97	8.52	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.11	U		5.11	8.53	mg/kg	
Total EPH	Total EPH	8.08	U		8.08	17.0	mg/kg	

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Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 08:00	02/28/25 17:44	PB166923

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.29	J	1	0.20	1.42	mg/kg	FC068332.D
Aliphatic C12-C16	Aliphatic C12-C16	0.50	J	1	0.16	0.95	mg/kg	FC068332.D
Aliphatic C16-C21	Aliphatic C16-C21	0.43	J	1	0.19	1.42	mg/kg	FC068332.D
Aliphatic C21-C28	Aliphatic C21-C28	0.75	U	1	0.75	1.89	mg/kg	FC068332.D
Aliphatic C28-C40	Aliphatic C28-C40	2.80	J	1	1.68	2.84	mg/kg	FC068332.D
Aromatic C10-C12	Aromatic C10-C12	0.47	J	1	0.43	0.95	mg/kg	FD049140.D
Aromatic C12-C16	Aromatic C12-C16	0.65	J	1	0.48	1.42	mg/kg	FD049140.D
Aromatic C16-C21	Aromatic C16-C21	2.61		1	1.36	2.37	mg/kg	FD049140.D
Aromatic C21-C36	Aromatic C21-C36	2.84	U	1	2.84	3.79	mg/kg	FD049140.D
Total AliphaticEPH	Total AliphaticEPH	4.01	J		2.97	8.52	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.11	U		5.11	8.53	mg/kg	
Total EPH	Total EPH	8.08	U		8.08	17.0	mg/kg	

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Analytical Method:	NJEPH	% Solid:	70.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068332.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.29	J	0.20	1.42	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.50	J	0.16	0.95	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.43	J	0.19	1.42	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.75	U	0.75	1.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.80	J	1.68	2.84	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.6		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1421-01	Acq On:	28 Feb 2025 17:44
Client Sample ID:	P001-CLAY-CF01-01	Operator:	YP/AJ
Data file:	FC068332.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	427569	3.032	300	ug/ml
Aliphatic C12-C16	6.370	9.754	720630	5.273	200	ug/ml
Aliphatic C16-C21	9.755	13.107	594221	4.514	300	ug/ml
Aliphatic C21-C28	13.108	16.761	597602	4.871	400	ug/ml
Aliphatic C28-C40	16.762	21.565	3044821	29.606	600	ug/ml
Aliphatic EPH	3.104	21.565	5384843	47.296		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	5911856	52.56		ug/ml
Aliphatic C9-C28	3.104	16.761	2340022	17.69	1200	ug/ml