

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-CF01-02	SDG No.:	Q1421
Lab Sample ID:	Q1421-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
02/26/25 11:45	02/27/25 15:17	PB166883

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOD	LOQ / CRQL	Units	
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	1	5.76	15.0	30.0	ug/l	FC068314.D
Aliphatic C12-C16	Aliphatic C12-C16	7.61	J	1	3.61	10.0	20.0	ug/l	FC068314.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	15.0	30.0	ug/l	FC068314.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	20.0	40.0	ug/l	FC068314.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	30.0	60.0	ug/l	FC068314.D
Aromatic C10-C12	Aromatic C10-C12	10.5	J	1	3.32	10.0	20.0	ug/l	FD049123.D
Aromatic C12-C16	Aromatic C12-C16	14.4	J	1	3.69	15.0	30.0	ug/l	FD049123.D
Aromatic C16-C21	Aromatic C16-C21	48.3	J	1	12.7	25.0	50.0	ug/l	FD049123.D
Aromatic C21-C36	Aromatic C21-C36	92.7		1	25.2	40.0	80.0	ug/l	FD049123.D
Total AliphaticEPH	Total AliphaticEPH	40.5	U		40.5	90.0	180	ug/l	
Total AromaticEPH	Total AromaticEPH	166	J		44.9	90.0	180	ug/l	
Total EPH	Total EPH	174	J		85.4	180	360	ug/l	

U = Not Detected

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Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	20.0	40.0	ug/l	FC068314.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	30.0	60.0	ug/l	FC068314.D
Aromatic C10-C12	Aromatic C10-C12	10.5	J	1	3.32	10.0	20.0	ug/l	FD049123.D
Aromatic C12-C16	Aromatic C12-C16	14.4	J	1	3.69	15.0	30.0	ug/l	FD049123.D
Aromatic C16-C21	Aromatic C16-C21	48.3	J	1	12.7	25.0	50.0	ug/l	FD049123.D
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SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1421-08	Acq On:	27 Feb 2025 15:17
Client Sample ID:	P001-CLAY-CF01-02	Operator:	YP/AJ
Data file:	FC068314.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.370	320371	2.272	300	ug/ml
Aliphatic C12-C16	6.371	9.754	520165	3.806	200	ug/ml
Aliphatic C16-C21	9.755	13.108	457228	3.474	300	ug/ml
Aliphatic C21-C28	13.109	16.762	555317	4.526	400	ug/ml
Aliphatic C28-C40	16.763	21.566	2645290	25.721	600	ug/ml
Aliphatic EPH	3.104	21.566	4498371	39.798		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.840	12.840	3691135	32.82		ug/ml
Aliphatic C9-C28	3.104	16.762	1853081	14.078	1200	ug/ml