

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:	P4620-30	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
11/03/24 08:20	11/04/24 17:50	PB164637

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.76	U	1	5.76	30.0	ug/l	FG014649.D
Aliphatic C12-C16	Aliphatic C12-C16	3.61	U	1	3.61	20.0	ug/l	FG014649.D
Aliphatic C16-C21	Aliphatic C16-C21	5.14	U	1	5.14	30.0	ug/l	FG014649.D
Aliphatic C21-C28	Aliphatic C21-C28	8.97	U	1	8.97	40.0	ug/l	FG014649.D
Aliphatic C28-C40	Aliphatic C28-C40	17.0	U	1	17.0	60.0	ug/l	FG014649.D
Aromatic C10-C12	Aromatic C10-C12	3.32	U	1	3.32	20.0	ug/l	FF014919.D
Aromatic C12-C16	Aromatic C12-C16	3.69	U	1	3.69	30.0	ug/l	FF014919.D
Aromatic C16-C21	Aromatic C16-C21	44.9	J	1	12.7	50.0	ug/l	FF014919.D
Aromatic C21-C36	Aromatic C21-C36	25.2	U	1	25.2	80.0	ug/l	FF014919.D
Total AliphaticEPH	Total AliphaticEPH	40.5	U		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	44.9	U		44.9	180	ug/l	
Total EPH	Total EPH	85.4	U		85.4	360	ug/l	

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:	1000	Units: mL	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :	SW3510				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF014919.D	1	11/03/24	11/04/24	PB164637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	3.32	U	3.32	20.0	ug/l
Aromatic C12-C16	Aromatic C12-C16	3.69	U	3.69	30.0	ug/l
Aromatic C16-C21	Aromatic C16-C21	44.9	J	12.7	50.0	ug/l
Aromatic C21-C36	Aromatic C21-C36	25.2	U	25.2	80.0	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	58.4		40 - 140	117%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.9		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.6		40 - 140	103%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P4620-30	Acq On:	04 Nov 2024 17:50
Client Sample ID:	P001-CF16-02	Operator:	YP\AJ
Data file:	FF014919.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.508	6.372	450047	2.883	200	ug/ml
Aromatic C12-C16	6.373	9.064	321906	2.017	300	ug/ml
Aromatic C16-C21	9.065	13.375	3485121	22.429	500	ug/ml
Aromatic C21-C36	13.376	18.817	550115	3.706	800	ug/ml
Aromatic EPH	4.508	18.817	4807189	31.035		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	8249880	51.57		ug/ml
2-Bromonaphthalene (SURR)	7.994	7.994	8147040	58.42		ug/ml
2-Fluorobiphenyl (SURR)	8.867	8.867	5176436	54.89		ug/ml