

Report of Analysis

Client:	PSEG	Date Collected:	07/17/25
Project:	Paterson Remediation	Date Received:	07/17/25
Client Sample ID:	FIBER-GLASS-TANK	SDG No.:	Q2633
Lab Sample ID:	Q2633-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
07/22/25 09:15	07/23/25 12:58	PB168970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.6	U	1	8.45	30.6	ug/l	FC069506.D
Aliphatic C12-C16	Aliphatic C12-C16	20.4	U	1	13.8	20.4	ug/l	FC069506.D
Aliphatic C16-C21	Aliphatic C16-C21	13.7	J	1	8.51	30.6	ug/l	FC069506.D
Aliphatic C21-C28	Aliphatic C21-C28	40.8	U	1	12.8	40.8	ug/l	FC069506.D
Aliphatic C28-C40	Aliphatic C28-C40	56.7	J	1	24.3	61.2	ug/l	FC069506.D
Aromatic C10-C12	Aromatic C10-C12	7.05	J	1	2.11	20.4	ug/l	FD049587.D
Aromatic C12-C16	Aromatic C12-C16	8.76	J	1	4.35	30.6	ug/l	FD049587.D
Aromatic C16-C21	Aromatic C16-C21	44.6	J	1	8.44	51.0	ug/l	FD049587.D
Aromatic C21-C36	Aromatic C21-C36	81.6	U	1	24.3	81.6	ug/l	FD049587.D
Total AliphaticEPH	Total AliphaticEPH	70.4	J		67.9	184	ug/l	
Total AromaticEPH	Total AromaticEPH	60.4	J		39.2	184	ug/l	
Total EPH	Total EPH	131	J		107	367	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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Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069506.D	1	07/22/25	07/23/25	PB168970

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	30.6	U	8.45	30.6	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	20.4	U	13.8	20.4	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.7	J	8.51	30.6	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	40.8	U	12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	56.7	J	24.3	61.2	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2633-02	Acq On:	23 Jul 2025 12:58
Client Sample ID:	FIBER-GLASS-TANK	Operator:	YP/AJ
Data file:	FC069506.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	507897	3.654	300	ug/ml
Aliphatic C12-C16	6.598	9.999	627121	4.353	200	ug/ml
Aliphatic C16-C21	10.000	13.366	910315	6.694	300	ug/ml
Aliphatic C21-C28	13.367	17.030	458226	3.851	400	ug/ml
Aliphatic C28-C40	17.031	22.001	2497846	27.79	600	ug/ml
Aliphatic EPH	3.301	22.001	5001405	46.341		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	4565958	40.4		ug/ml
Aliphatic C9-C28	3.301	17.030	2503559	18.552	1200	ug/ml