

### Report of Analysis

Client:	PSEG	Date Collected:	01/08/25
Project:	Ironbound to Elizabeth OP	Date Received:	01/08/25
Client Sample ID:	28612	SDG No.:	Q1033
Lab Sample ID:	Q1033-01	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
01/09/25 14:30	01/10/25 12:56	PB166003

**Datafile**

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
<b>TARGETS</b>								
Aliphatic C9-C12	Aliphatic C9-C12	10.8	J	1	5.76	30.0	ug/l	FC068094.D
Aliphatic C12-C16	Aliphatic C12-C16	13.9	J	1	3.61	20.0	ug/l	FC068094.D
Aliphatic C16-C21	Aliphatic C16-C21	5.97	J	1	5.14	30.0	ug/l	FC068094.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	8.97	40.0	ug/l	FC068094.D
Aliphatic C28-C40	Aliphatic C28-C40	69.7		1	17.0	60.0	ug/l	FC068094.D
Aromatic C10-C12	Aromatic C10-C12	164		1	3.32	20.0	ug/l	FD048932.D
Aromatic C12-C16	Aromatic C12-C16	151		1	3.69	30.0	ug/l	FD048932.D
Aromatic C16-C21	Aromatic C16-C21	27.7	J	1	12.7	50.0	ug/l	FD048932.D
Aromatic C21-C36	Aromatic C21-C36	31.1	J	1	25.2	80.0	ug/l	FD048932.D
Total AliphaticEPH	Total AliphaticEPH	100	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	374			44.9	180	ug/l	
Total EPH	Total EPH	474			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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			uL

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068094.D	1	01/09/25	01/10/25	PB166003

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<b>TARGETS</b>						
	Aliphatic C9-C12	10.8	J	5.76	30.0	ug/l
	Aliphatic C12-C16	13.9	J	3.61	20.0	ug/l
	Aliphatic C16-C21	5.97	J	5.14	30.0	ug/l
	Aliphatic C21-C28	40.0	U	8.97	40.0	ug/l
	Aliphatic C28-C40	69.7		17.0	60.0	ug/l
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	38.1		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

### Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1033-01	Acq On:	10 Jan 2025 12:56
Client Sample ID:	28612	Operator:	YP/AJ
Data file:	FC068094.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	3.135	6.403	742048	5.382	300	ug/ml
Aliphatic C12-C16	6.404	9.787	945061	6.939	200	ug/ml
Aliphatic C16-C21	9.788	13.140	395594	2.987	300	ug/ml
Aliphatic C21-C28	13.141	16.791	297472	2.417	400	ug/ml
Aliphatic C28-C40	16.792	21.604	3382970	34.837	600	ug/ml
Aliphatic EPH	3.135	21.604	5763145	52.562		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.872	12.872	4326783	38.12		ug/ml
Aliphatic C9-C28	3.135	16.791	2380175	17.725	1200	ug/ml