

Report of Analysis

Client:	PSEG	Date Collected:	04/14/25
Project:	Moorestown	Date Received:	04/14/25
Client Sample ID:	MOO-25-0118	SDG No.:	Q1810
Lab Sample ID:	Q1810-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	960	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
04/17/25 12:50	04/18/25 14:57	PB167648

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.88	J	1	8.62	31.2	ug/l	FC068634.D
Aliphatic C12-C16	Aliphatic C12-C16	20.5	J	1	14.1	20.8	ug/l	FC068634.D
Aliphatic C16-C21	Aliphatic C16-C21	16.5	J	1	8.69	31.2	ug/l	FC068634.D
Aliphatic C21-C28	Aliphatic C21-C28	16.2	J	1	13.0	41.7	ug/l	FC068634.D
Aliphatic C28-C40	Aliphatic C28-C40	79.3		1	24.8	62.5	ug/l	FC068634.D
Aromatic C10-C12	Aromatic C10-C12	18.8	J	1	2.16	20.8	ug/l	FD049288.D
Aromatic C12-C16	Aromatic C12-C16	29.6	J	1	4.44	31.2	ug/l	FD049288.D
Aromatic C16-C21	Aromatic C16-C21	92.7		1	8.61	52.1	ug/l	FD049288.D
Aromatic C21-C36	Aromatic C21-C36	57.4	J	1	24.8	83.3	ug/l	FD049288.D
Total AliphaticEPH	Total AliphaticEPH	141	J		69.2	187	ug/l	
Total AromaticEPH	Total AromaticEPH	199			40.0	187	ug/l	
Total EPH	Total EPH	340	J		109	375	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068634.D	1	04/17/25	04/18/25	PB167648

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Aliphatic C12-C16	Aliphatic C12-C16	20.5	J	14.1	20.8	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	16.5	J	8.69	31.2	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	16.2	J	13.0	41.7	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	79.3		24.8	62.5	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1810-02	Acq On:	18 Apr 2025 14:57
Client Sample ID:	MOO-25-0118	Operator:	YP/AJ
Data file:	FC068634.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	3.346	6.647	448930	4.264	300	ug/ml
Aliphatic C12-C16	6.648	10.048	1005153	9.823	200	ug/ml
Aliphatic C16-C21	10.049	13.416	783049	7.924	300	ug/ml
Aliphatic C21-C28	13.417	17.083	731679	7.769	400	ug/ml
Aliphatic C28-C40	17.084	22.087	3420879	38.059	600	ug/ml
Aliphatic EPH	3.346	22.087	6389690	67.84		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.152	13.152	2475277	26.65		ug/ml
Aliphatic C9-C28	3.346	17.083	2968811	29.78	1200	ug/ml