

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Moorestown	Date Received:	07/10/25
Client Sample ID:	MOO-25-0192-0193	SDG No.:	Q2565
Lab Sample ID:	Q2565-01	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
07/16/25 08:40	07/17/25 3:12	PB168879

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	FC069473.D
Aliphatic C12-C16	Aliphatic C12-C16	365		1	13.8	20.4	ug/l	FC069473.D
Aliphatic C16-C21	Aliphatic C16-C21	1890		10	85.1	306	ug/l	FC069483.D
Aliphatic C21-C28	Aliphatic C21-C28	675		1	12.8	40.8	ug/l	FC069473.D
Aliphatic C28-C40	Aliphatic C28-C40	331		1	24.3	61.2	ug/l	FC069473.D
Aromatic C10-C12	Aromatic C10-C12	170		1	2.11	20.4	ug/l	FD049563.D
Aromatic C12-C16	Aromatic C12-C16	87.1		1	4.35	30.6	ug/l	FD049563.D
Aromatic C16-C21	Aromatic C16-C21	881		1	8.44	51.0	ug/l	FD049563.D
Aromatic C21-C36	Aromatic C21-C36	524		1	24.3	81.6	ug/l	FD049563.D
Total AliphaticEPH	Total AliphaticEPH	3260			144	459	ug/l	
Total AromaticEPH	Total AromaticEPH	1660			39.2	184	ug/l	
Total EPH	Total EPH	4920			184	643	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
FC069473.D	1	07/16/25	07/17/25	PB168879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	30.6	U	8.45	30.6	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	365		13.8	20.4	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	2020	E	8.51	30.6	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	675		12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	331		24.3	61.2	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	21.1		40 - 140	42%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2565-01	Acq On:	17 Jul 2025 03:12
Client Sample ID:	MOO-25-0192-0193	Operator:	YP/AJ
Data file:	FC069473.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.597	541746	3.897	300	ug/ml
Aliphatic C12-C16	6.598	10.000	25789180	179	200	ug/ml
Aliphatic C16-C21	10.001	13.371	134645476	990.062	300	ug/ml
Aliphatic C21-C28	13.372	17.037	39410030	331.207	400	ug/ml
Aliphatic C28-C40	17.038	22.012	14604753	162.486	600	ug/ml
Aliphatic EPH	3.297	22.012	214991185	1670		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.107	13.107	2383779	21.09		ug/ml
Aliphatic C9-C28	3.297	17.037	200386432	1500	1200	ug/ml