

Report of Analysis

Client:	PSEG	Date Collected:	10/01/25
Project:	Pennsauken M&R	Date Received:	10/01/25
Client Sample ID:	251818	SDG No.:	Q3263
Lab Sample ID:	Q3263-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000
		Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 08:38	10/03/25 17:13	PB169974

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	1	8.28	30.0	ug/l	FC069931.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC069931.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC069931.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC069931.D
Aliphatic C28-C40	Aliphatic C28-C40	48.3	J	1	23.8	60.0	ug/l	FC069931.D
Aromatic C10-C12	Aromatic C10-C12	6.07	J	1	2.07	20.0	ug/l	FD049821.D
Aromatic C12-C16	Aromatic C12-C16	58.7		1	4.26	30.0	ug/l	FD049821.D
Aromatic C16-C21	Aromatic C16-C21	40.5	J	1	8.27	50.0	ug/l	FD049821.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049821.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	105	J		38.4	180	ug/l	
Total EPH	Total EPH	154	J		105	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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Analytical Method:	NJEPH	% Solid:	0
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
FC069931.D	1	10/03/25	10/03/25	PB169974

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	48.3	J	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.9		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3263-01	Acq On:	03 Oct 2025 17:13
Client Sample ID:	251818	Operator:	YP/AJ
Data file:	FC069931.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	3.385	6.479	503485	3.771	300	ug/ml
Aliphatic C12-C16	8.276	9.879	467691	2.985	200	ug/ml
Aliphatic C16-C21	11.323	13.246	361312	2.012	300	ug/ml
Aliphatic C21-C28	13.833	16.910	360330	1.991	400	ug/ml
Aliphatic C28-C40	17.797	21.861	3104899	24.129	600	ug/ml
Aliphatic EPH	3.385	21.861	4797717	34.889		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.083	13.083	6622856	41.94		ug/ml
Aliphatic C9-C28	3.385	16.910	1692818	10.759	1200	ug/ml