

Report of Analysis

Client:	PSEG	Date Collected:	09/19/25
Project:	D-3404 Stop Joint Project	Date Received:	09/19/25
Client Sample ID:	1402	SDG No.:	Q3151
Lab Sample ID:	Q3151-02	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
09/22/25 08:32	09/22/25 20:27	PB169763

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	1	8.28	30.0	ug/l	FE055934.D
Aliphatic C12-C16	Aliphatic C12-C16	28.5		1	13.5	20.0	ug/l	FE055934.D
Aliphatic C16-C21	Aliphatic C16-C21	10.6	J	1	8.34	30.0	ug/l	FE055934.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	12.5	40.0	ug/l	FE055934.D
Aliphatic C28-C40	Aliphatic C28-C40	695		1	23.8	60.0	ug/l	FE055934.D
Aromatic C10-C12	Aromatic C10-C12	5.37	J	1	2.07	20.0	ug/l	FF016426.D
Aromatic C12-C16	Aromatic C12-C16	12.1	J	1	4.26	30.0	ug/l	FF016426.D
Aromatic C16-C21	Aromatic C16-C21	45.2	J	1	8.27	50.0	ug/l	FF016426.D
Aromatic C21-C36	Aromatic C21-C36	80.0	U	1	23.8	80.0	ug/l	FF016426.D
Total AliphaticEPH	Total AliphaticEPH	734			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	62.7	J		38.4	180	ug/l	
Total EPH	Total EPH	797			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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Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055934.D	1	09/22/25	09/22/25	PB169763

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Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	695		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	65.6		40 - 140	131%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3151-02	Acq On:	22 Sep 2025 20:27
Client Sample ID:	1402	Operator:	YP\AJ
Data file:	FE055934.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.947	418132	3.256	300	ug/ml
Aliphatic C12-C16	6.948	10.400	1923471	14.238	200	ug/ml
Aliphatic C16-C21	10.401	13.780	763523	5.294	300	ug/ml
Aliphatic C21-C28	13.781	17.452	635423	4.436	400	ug/ml
Aliphatic C28-C40	17.453	22.472	47862883	347.538	600	ug/ml
Aliphatic EPH	3.312	22.472	51603432	374.763		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	8201540	65.59		ug/ml
Aliphatic C9-C28	3.312	17.452	3740549	27.224	1200	ug/ml