

Report of Analysis

Client:	PSEG	Date Collected:	05/09/25
Project:	Camden Gas Plant	Date Received:	05/09/25
Client Sample ID:	252806	SDG No.:	Q2005
Lab Sample ID:	Q2005-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	9800	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
05/13/25 14:05	05/14/25 14:50	PB168001

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	3.06	U	1	0.85	3.06	ug/l	FC068866.D
Aliphatic C12-C16	Aliphatic C12-C16	2.00	J	1	1.38	2.04	ug/l	FC068866.D
Aliphatic C16-C21	Aliphatic C16-C21	14.2		1	0.85	3.06	ug/l	FC068866.D
Aliphatic C21-C28	Aliphatic C21-C28	914		20	25.5	81.6	ug/l	FC068879.D
Aliphatic C28-C40	Aliphatic C28-C40	2930		100	242	612	ug/l	FC068880.D
Aromatic C10-C12	Aromatic C10-C12	4.18		1	0.21	2.04	ug/l	FD049341.D
Aromatic C12-C16	Aromatic C12-C16	3.39		1	0.44	3.06	ug/l	FD049341.D
Aromatic C16-C21	Aromatic C16-C21	11.4		1	0.84	5.10	ug/l	FD049341.D
Aromatic C21-C36	Aromatic C21-C36	207		10	24.3	81.6	ug/l	FD049344.D
Total AliphaticEPH	Total AliphaticEPH	3860			271	702	ug/l	
Total AromaticEPH	Total AromaticEPH	226			25.8	91.8	ug/l	
Total EPH	Total EPH	4090			296	794	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:	9800 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
FC068866.D	1	05/13/25	05/14/25	PB168001

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	3.06	U	0.85	3.06	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	2.00	J	1.38	2.04	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	14.2		0.85	3.06	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	924	E	1.28	4.08	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	2610	E	2.43	6.12	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2005-01	Acq On:	14 May 2025 14:50
Client Sample ID:	252806	Operator:	YP/AJ
Data file:	FC068866.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	3.340	6.640	312312	3.15	300	ug/ml
Aliphatic C12-C16	6.641	10.040	891220	9.795	200	ug/ml
Aliphatic C16-C21	10.041	13.405	5966214	69.568	300	ug/ml
Aliphatic C21-C28	13.406	17.068	376574297	4530	400	ug/ml
Aliphatic C28-C40	17.069	22.062	1080587432	12800	600	ug/ml
Aliphatic EPH	3.340	22.062	1464331475	17400		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	2352384	29.32		ug/ml
Aliphatic C9-C28	3.340	17.068	383744043	4610	1200	ug/ml