

Report of Analysis

Client:	PSEG	Date Collected:	05/20/25
Project:	Hamilton M&R	Date Received:	05/20/25
Client Sample ID:	252820	SDG No.:	Q2088
Lab Sample ID:	Q2088-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
05/22/25 09:13	05/22/25 17:43	PB168132

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.3	U	1	8.36	30.3	ug/l	FC068983.D
Aliphatic C12-C16	Aliphatic C12-C16	20.2	U	1	13.6	20.2	ug/l	FC068983.D
Aliphatic C16-C21	Aliphatic C16-C21	30.3	U	1	8.42	30.3	ug/l	FC068983.D
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	1	12.6	40.4	ug/l	FC068983.D
Aliphatic C28-C40	Aliphatic C28-C40	56.9	J	1	24.0	60.6	ug/l	FC068983.D
Aromatic C10-C12	Aromatic C10-C12	8.48	J	1	2.09	20.2	ug/l	FD049378.D
Aromatic C12-C16	Aromatic C12-C16	11.6	J	1	4.30	30.3	ug/l	FD049378.D
Aromatic C16-C21	Aromatic C16-C21	64.2		1	8.35	50.5	ug/l	FD049378.D
Aromatic C21-C36	Aromatic C21-C36	34.9	J	1	24.0	80.8	ug/l	FD049378.D
Total AliphaticEPH	Total AliphaticEPH	182	U		67.0	182	ug/l	
Total AromaticEPH	Total AromaticEPH	119	J		38.7	182	ug/l	
Total EPH	Total EPH	176	J		106	364	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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Lab Sample ID:	Q2088-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068983.D	1	05/22/25	05/22/25	PB168132

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	30.3	U	8.36	30.3	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	20.2	U	13.6	20.2	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	30.3	U	8.42	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	12.6	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	56.9	J	24.0	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.2		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2088-01	Acq On:	22 May 2025 17:43
Client Sample ID:	252820	Operator:	YP/AJ
Data file:	FC068983.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	288101	2.906	300	ug/ml
Aliphatic C12-C16	6.641	10.039	434911	4.78	200	ug/ml
Aliphatic C16-C21	10.040	13.406	338828	3.951	300	ug/ml
Aliphatic C21-C28	13.407	17.068	410675	4.942	400	ug/ml
Aliphatic C28-C40	17.069	22.061	2384723	28.181	600	ug/ml
Aliphatic EPH	3.340	22.061	3857238	44.76		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	2424860	30.23		ug/ml
Aliphatic C9-C28	3.340	17.068	1472515	16.579	1200	ug/ml