

Report of Analysis

Client:	PSEG	Date Collected:	01/09/25
Project:	Burlington Gas District	Date Received:	01/09/25
Client Sample ID:	FRAC-TANK-257952	SDG No.:	Q1049
Lab Sample ID:	Q1049-01	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
01/09/25 14:30	01/10/25 13:32	PB166003

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	74.4		1	5.76	30.0	ug/l	FC068095.D
Aliphatic C12-C16	Aliphatic C12-C16	102		1	3.61	20.0	ug/l	FC068095.D
Aliphatic C16-C21	Aliphatic C16-C21	367		1	5.14	30.0	ug/l	FC068095.D
Aliphatic C21-C28	Aliphatic C21-C28	529		1	8.97	40.0	ug/l	FC068095.D
Aliphatic C28-C40	Aliphatic C28-C40	163		1	17.0	60.0	ug/l	FC068095.D
Aromatic C10-C12	Aromatic C10-C12	118		1	3.32	20.0	ug/l	FD048933.D
Aromatic C12-C16	Aromatic C12-C16	93.1		1	3.69	30.0	ug/l	FD048933.D
Aromatic C16-C21	Aromatic C16-C21	228		1	12.7	50.0	ug/l	FD048933.D
Aromatic C21-C36	Aromatic C21-C36	401		1	25.2	80.0	ug/l	FD048933.D
Total AliphaticEPH	Total AliphaticEPH	1240			40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	840			44.9	180	ug/l	
Total EPH	Total EPH	2080			85.4	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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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
FC068095.D	1	01/09/25	01/10/25	PB166003

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Aliphatic C21-C28	Aliphatic C21-C28	529		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	163		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.5		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1049-01	Acq On:	10 Jan 2025 13:32
Client Sample ID:	FRAC-TANK-257952	Operator:	YP/AJ
Data file:	FC068095.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.403	5126961	37.183	300	ug/ml
Aliphatic C12-C16	6.404	9.787	6966432	51.152	200	ug/ml
Aliphatic C16-C21	9.788	13.140	24363341	183.932	300	ug/ml
Aliphatic C21-C28	13.141	16.791	32584703	264.73	400	ug/ml
Aliphatic C28-C40	16.792	21.604	7926590	81.627	600	ug/ml
Aliphatic EPH	3.135	21.604	76968027	618.625		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.872	12.872	2555199	22.51		ug/ml
Aliphatic C9-C28	3.135	16.791	69041437	536.997	1200	ug/ml