

Report of Analysis

Client:	PSEG	Date Collected:	03/21/25
Project:	Vauxhall to Elizabeth	Date Received:	03/21/25
Client Sample ID:	FRAC-TANK-A1291	SDG No.:	Q1625
Lab Sample ID:	Q1625-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/26/25 09:20	03/26/25 17:55	PB167327

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	39.2		1	8.28	30.0	ug/l	FC068412.D
Aliphatic C12-C16	Aliphatic C12-C16	27.6		1	13.5	20.0	ug/l	FC068412.D
Aliphatic C16-C21	Aliphatic C16-C21	13.7	J	1	8.34	30.0	ug/l	FC068412.D
Aliphatic C21-C28	Aliphatic C21-C28	17.3	J	1	12.5	40.0	ug/l	FC068412.D
Aliphatic C28-C40	Aliphatic C28-C40	125		1	23.8	60.0	ug/l	FC068412.D
Aromatic C10-C12	Aromatic C10-C12	27.4		1	2.07	20.0	ug/l	FG015558.D
Aromatic C12-C16	Aromatic C12-C16	88.2		1	4.26	30.0	ug/l	FG015558.D
Aromatic C16-C21	Aromatic C16-C21	83.3		1	8.27	50.0	ug/l	FG015558.D
Aromatic C21-C36	Aromatic C21-C36	23.9	J	1	23.8	80.0	ug/l	FG015558.D
Total AliphaticEPH	Total AliphaticEPH	223			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	223			38.4	180	ug/l	
Total EPH	Total EPH	446			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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068412.D	1	03/26/25	03/26/25	PB167327

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	39.2		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	27.6		13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	13.7	J	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	17.3	J	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	125		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1625-01	Acq On:	26 Mar 2025 17:55
Client Sample ID:	FRAC-TANK-A1291	Operator:	YP/AJ
Data file:	FC068412.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	3.099	6.361	3183363	19.612	300	ug/ml
Aliphatic C12-C16	6.362	9.744	2323508	13.814	200	ug/ml
Aliphatic C16-C21	9.745	13.097	1173256	6.841	300	ug/ml
Aliphatic C21-C28	13.098	16.748	1462410	8.66	400	ug/ml
Aliphatic C28-C40	16.749	21.545	8518980	62.561	600	ug/ml
Aliphatic EPH	3.099	21.545	16661517	111.487		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.828	12.828	4758982	31.92		ug/ml
Aliphatic C9-C28	3.099	16.748	8142537	48.927	1200	ug/ml