

Report of Analysis

Client:	PSEG	Date Collected:	03/03/25
Project:	Westville Laydown	Date Received:	03/03/25
Client Sample ID:	TP-3-WATER-SAMPLE	SDG No.:	Q1480
Lab Sample ID:	Q1480-33	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:25	03/05/25 17:50	PB166976

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	21.9	J	1	5.82	30.3	ug/l	FC068372.D
Aliphatic C12-C16	Aliphatic C12-C16	9.66	J	1	3.65	20.2	ug/l	FC068372.D
Aliphatic C16-C21	Aliphatic C16-C21	7.59	J	1	5.19	30.3	ug/l	FC068372.D
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	1	9.06	40.4	ug/l	FC068372.D
Aliphatic C28-C40	Aliphatic C28-C40	60.9		1	17.2	60.6	ug/l	FC068372.D
Aromatic C10-C12	Aromatic C10-C12	345		1	3.35	20.2	ug/l	FD049162.D
Aromatic C12-C16	Aromatic C12-C16	84.3		1	3.73	30.3	ug/l	FD049162.D
Aromatic C16-C21	Aromatic C16-C21	32.8	J	1	12.8	50.5	ug/l	FD049162.D
Aromatic C21-C36	Aromatic C21-C36	41.2	J	1	25.5	80.8	ug/l	FD049162.D
Total AliphaticEPH	Total AliphaticEPH	100	J		40.9	182	ug/l	
Total AromaticEPH	Total AromaticEPH	503			45.4	182	ug/l	
Total EPH	Total EPH	603			86.3	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068372.D	1	03/05/25	03/05/25	PB166976

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Aliphatic C16-C21	Aliphatic C16-C21	7.59	J	5.19	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	40.4	U	9.06	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	60.9		17.2	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1480-33	Acq On:	05 Mar 2025 17:50
Client Sample ID:	TP-3-WATER-SAMPLE	Operator:	YP/AJ
Data file:	FC068372.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	3.102	6.366	1527600	10.831	300	ug/ml
Aliphatic C12-C16	6.367	9.749	653113	4.779	200	ug/ml
Aliphatic C16-C21	9.750	13.103	494694	3.758	300	ug/ml
Aliphatic C21-C28	13.104	16.755	397624	3.241	400	ug/ml
Aliphatic C28-C40	16.756	21.556	3099828	30.14	600	ug/ml
Aliphatic EPH	3.102	21.556	6172859	52.75		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.834	12.834	3630135	32.28		ug/ml
Aliphatic C9-C28	3.102	16.755	3073031	22.609	1200	ug/ml