

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	Plank Road Substation	Date Received:	05/16/25
Client Sample ID:	VACTRUCK-728068	SDG No.:	Q2065
Lab Sample ID:	Q2065-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
05/20/25 08:38	05/20/25 17:32	PB168080

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	1540		5	42.2	153	ug/l	FC068934.D
Aliphatic C12-C16	Aliphatic C12-C16	3650		25	344	510	ug/l	FC068935.D
Aliphatic C16-C21	Aliphatic C16-C21	10100		25	212	765	ug/l	FC068935.D
Aliphatic C21-C28	Aliphatic C21-C28	44700		100	1280	4080	ug/l	FC068936.D
Aliphatic C28-C40	Aliphatic C28-C40	19200		25	607	1530	ug/l	FC068935.D
Aromatic C10-C12	Aromatic C10-C12	1250		10	21.1	204	ug/l	FD049354.D
Aromatic C12-C16	Aromatic C12-C16	2570		10	43.5	306	ug/l	FD049354.D
Aromatic C16-C21	Aromatic C16-C21	14500		20	168	1020	ug/l	FD049355.D
Aromatic C21-C36	Aromatic C21-C36	49400		100	2430	8160	ug/l	FD049356.D
Total AliphaticEPH	Total AliphaticEPH	79200			2480	7040	ug/l	
Total AromaticEPH	Total AromaticEPH	67700			2660	9690	ug/l	
Total EPH	Total EPH	147000			5140	16700	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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Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068931.D	1	05/20/25	05/20/25	PB168080

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1730	E	8.45	30.6	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3920	E	13.8	20.4	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	10900	E	8.51	30.6	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	45300	E	12.8	40.8	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	17300	E	24.3	61.2	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	191		40 - 140	382%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2065-01	Acq On:	20 May 2025 15:01
Client Sample ID:	VACTRUCK-728068	Operator:	YP/AJ
Data file:	FC068931.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.640	83904395	846.381	300	ug/ml
Aliphatic C12-C16	6.641	10.040	174568973	1920	200	ug/ml
Aliphatic C16-C21	10.041	13.408	457484804	5330	300	ug/ml
Aliphatic C21-C28	13.409	17.070	1845397446	22300	400	ug/ml
Aliphatic C28-C40	17.071	22.065	719237389	8500	600	ug/ml
Aliphatic EPH	3.341	22.065	3280593007	38900		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.161	13.161	15312113	190.86		ug/ml
Aliphatic C9-C28	3.341	17.070	2561355618	30400	1200	ug/ml