

Report of Analysis

Client:	PSEG	Date Collected:	12/05/24
Project:	New Dover Substation	Date Received:	12/05/24
Client Sample ID:	286085	SDG No.:	P5145
Lab Sample ID:	P5145-01	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
12/09/24 08:05	12/10/24 1:09	PB165500

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	1	5.76	30.0	ug/l	FC067956.D
Aliphatic C12-C16	Aliphatic C12-C16	167		1	3.61	20.0	ug/l	FC067956.D
Aliphatic C16-C21	Aliphatic C16-C21	1310		5	25.7	150	ug/l	FC067969.D
Aliphatic C21-C28	Aliphatic C21-C28	338		1	8.97	40.0	ug/l	FC067956.D
Aliphatic C28-C40	Aliphatic C28-C40	52.0	J	1	17.0	60.0	ug/l	FC067956.D
Aromatic C10-C12	Aromatic C10-C12	9.99	J	1	3.32	20.0	ug/l	FD048857.D
Aromatic C12-C16	Aromatic C12-C16	36.4		1	3.69	30.0	ug/l	FD048857.D
Aromatic C16-C21	Aromatic C16-C21	657		1	12.7	50.0	ug/l	FD048857.D
Aromatic C21-C36	Aromatic C21-C36	236		1	25.2	80.0	ug/l	FD048857.D
Total AliphaticEPH	Total AliphaticEPH	1870			61.0	300	ug/l	
Total AromaticEPH	Total AromaticEPH	939			44.9	180	ug/l	
Total EPH	Total EPH	2810			106	480	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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Analytical Method:	NJEPH	% Solid:	0
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
FC067956.D	1	12/09/24	12/10/24	PB165500

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TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	167		3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	1150	E	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	338		8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	52.0	J	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.2		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5145-01	Acq On:	10 Dec 2024 01:09
Client Sample ID:	286085	Operator:	YP/AJ
Data file:	FC067956.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.430	429701	2.592	300	ug/ml
Aliphatic C12-C16	6.431	9.821	14303324	83.947	200	ug/ml
Aliphatic C16-C21	9.822	13.180	97341108	573.872	300	ug/ml
Aliphatic C21-C28	13.181	16.834	26617992	169.239	400	ug/ml
Aliphatic C28-C40	16.835	21.670	3150855	26.016	600	ug/ml
Aliphatic EPH	3.152	21.670	141842980	855.667		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.915	12.915	7002350	48.24		ug/ml
Aliphatic C9-C28	3.152	16.834	138692125	829.65	1200	ug/ml