

Report of Analysis

Client:	PSEG	Date Collected:	11/21/24
Project:	V-2327 Manhole Inspection	Date Received:	11/21/24
Client Sample ID:	A3988	SDG No.:	P4947
Lab Sample ID:	P4947-01	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
11/25/24 08:40	11/25/24 18:09	PB165222

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	FC067865.D
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	1	3.61	20.0	ug/l	FC067865.D
Aliphatic C16-C21	Aliphatic C16-C21	30.0	U	1	5.14	30.0	ug/l	FC067865.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	8.97	40.0	ug/l	FC067865.D
Aliphatic C28-C40	Aliphatic C28-C40	60.0	U	1	17.0	60.0	ug/l	FC067865.D
Aromatic C10-C12	Aromatic C10-C12	20.0	U	1	3.32	20.0	ug/l	FD048816.D
Aromatic C12-C16	Aromatic C12-C16	30.0	U	1	3.69	30.0	ug/l	FD048816.D
Aromatic C16-C21	Aromatic C16-C21	50.0	U	1	12.7	50.0	ug/l	FD048816.D
Aromatic C21-C36	Aromatic C21-C36	25.3	J	1	25.2	80.0	ug/l	FD048816.D
Total AliphaticEPH	Total AliphaticEPH	180	U		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	180	U		44.9	180	ug/l	
Total EPH	Total EPH	360	U		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
FC067865.D	1	11/25/24	11/25/24	PB165222

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Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	30.0	U	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	60.0	U	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4947-01	Acq On:	25 Nov 2024 18:09
Client Sample ID:	A3988	Operator:	YP/AJ
Data file:	FC067865.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	3.186	6.462	42644	0.257	300	ug/ml
Aliphatic C12-C16	6.463	9.849	95709	0.562	200	ug/ml
Aliphatic C16-C21	9.850	13.205	0	0	300	ug/ml
Aliphatic C21-C28	13.206	16.857	0	0	400	ug/ml
Aliphatic C28-C40	16.858	21.701	351428	2.902	600	ug/ml
Aliphatic EPH	3.186	21.701	489781	3.721		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.938	12.938	5160850	35.55		ug/ml
Aliphatic C9-C28	3.186	16.857	138353	0.819	1200	ug/ml