

Report of Analysis

Client:	PSEG	Date Collected:	12/19/24
Project:	Hanover M&R	Date Received:	12/19/24
Client Sample ID:	STAND-PIPE	SDG No.:	P5356
Lab Sample ID:	P5356-01	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
12/20/24 08:48	12/20/24 21:17	PB165783

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	FC068075.D
Aliphatic C12-C16	Aliphatic C12-C16	7.06	J	1	3.61	20.0	ug/l	FC068075.D
Aliphatic C16-C21	Aliphatic C16-C21	6.55	J	1	5.14	30.0	ug/l	FC068075.D
Aliphatic C21-C28	Aliphatic C21-C28	14.2	J	1	8.97	40.0	ug/l	FC068075.D
Aliphatic C28-C40	Aliphatic C28-C40	144		1	17.0	60.0	ug/l	FC068075.D
Aromatic C10-C12	Aromatic C10-C12	4.71	J	1	3.32	20.0	ug/l	FD048913.D
Aromatic C12-C16	Aromatic C12-C16	92.0		1	3.69	30.0	ug/l	FD048913.D
Aromatic C16-C21	Aromatic C16-C21	32.8	J	1	12.7	50.0	ug/l	FD048913.D
Aromatic C21-C36	Aromatic C21-C36	55.9	J	1	25.2	80.0	ug/l	FD048913.D
Total AliphaticEPH	Total AliphaticEPH	172	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	185			44.9	180	ug/l	
Total EPH	Total EPH	357	J		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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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
FC068075.D	1	12/20/24	12/20/24	PB165783

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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	7.06	J	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	6.55	J	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	14.2	J	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	144		17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.1		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5356-01	Acq On:	20 Dec 2024 21:17
Client Sample ID:	STAND-PIPE	Operator:	YP/AJ
Data file:	FC068075.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	392011	2.476	300	ug/ml
Aliphatic C12-C16	6.390	9.779	565408	3.528	200	ug/ml
Aliphatic C16-C21	9.780	13.137	499258	3.277	300	ug/ml
Aliphatic C21-C28	13.138	16.791	967751	7.096	400	ug/ml
Aliphatic C28-C40	16.792	21.609	7660088	72.289	600	ug/ml
Aliphatic EPH	3.117	21.609	10084516	88.666		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.885	12.885	6771712	53.07		ug/ml
Aliphatic C9-C28	3.117	16.791	2424428	16.377	1200	ug/ml