

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Paterson Remediation	Date Received:	
Client Sample ID:	PB168970BS	SDG No.:	Q2633
Lab Sample ID:	PB168970BS	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
07/22/25 09:15	07/23/25 11:31	PB168970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	198		1	8.28	30.0	ug/l	FC069504.D
Aliphatic C12-C16	Aliphatic C12-C16	180		1	13.5	20.0	ug/l	FC069504.D
Aliphatic C16-C21	Aliphatic C16-C21	298		1	8.34	30.0	ug/l	FC069504.D
Aliphatic C21-C28	Aliphatic C21-C28	405		1	12.5	40.0	ug/l	FC069504.D
Aliphatic C28-C40	Aliphatic C28-C40	679		1	23.8	60.0	ug/l	FC069504.D
Aromatic C10-C12	Aromatic C10-C12	128		1	2.07	20.0	ug/l	FD049585.D
Aromatic C12-C16	Aromatic C12-C16	215		1	4.26	30.0	ug/l	FD049585.D
Aromatic C16-C21	Aromatic C16-C21	405		1	8.27	50.0	ug/l	FD049585.D
Aromatic C21-C36	Aromatic C21-C36	720		1	23.8	80.0	ug/l	FD049585.D
Total AliphaticEPH	Total AliphaticEPH	1760			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1470			38.4	180	ug/l	
Total EPH	Total EPH	3230			105	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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Soil Aliquot Vol:		Final Vol:	2000 uL
		Test:	EPH
Prep Method :	SW3510		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069504.D	1	07/22/25	07/23/25	PB168970

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Aliphatic C9-C12	Aliphatic C9-C12	198		8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	180		13.5	20.0	ug/l
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Aliphatic C21-C28	Aliphatic C21-C28	405		12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	679		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.4		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168970BS	Acq On:	23 Jul 2025 11:31
Client Sample ID:	PB168970BS	Operator:	YP/AJ
Data file:	FC069504.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	13792066	99.224	300	ug/ml
Aliphatic C12-C16	6.598	9.999	13013892	90.328	200	ug/ml
Aliphatic C16-C21	10.000	13.366	20274071	149.077	300	ug/ml
Aliphatic C21-C28	13.367	17.030	24146787	202.933	400	ug/ml
Aliphatic C28-C40	17.031	22.001	30534495	339.713	600	ug/ml
Aliphatic EPH	3.301	22.001	101761311	881.275		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	5350821	47.35		ug/ml
Aliphatic C9-C28	3.301	17.030	71226816	541.562	1200	ug/ml