

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Paterson Remediation	Date Received:	
Client Sample ID:	PB168970BSD	SDG No.:	Q2633
Lab Sample ID:	PB168970BSD	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
07/22/25 09:15	07/23/25 12:14	PB168970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	197		1	8.28	30.0	ug/l	FC069505.D
Aliphatic C12-C16	Aliphatic C12-C16	180		1	13.5	20.0	ug/l	FC069505.D
Aliphatic C16-C21	Aliphatic C16-C21	298		1	8.34	30.0	ug/l	FC069505.D
Aliphatic C21-C28	Aliphatic C21-C28	406		1	12.5	40.0	ug/l	FC069505.D
Aliphatic C28-C40	Aliphatic C28-C40	677		1	23.8	60.0	ug/l	FC069505.D
Aromatic C10-C12	Aromatic C10-C12	133		1	2.07	20.0	ug/l	FD049586.D
Aromatic C12-C16	Aromatic C12-C16	224		1	4.26	30.0	ug/l	FD049586.D
Aromatic C16-C21	Aromatic C16-C21	419		1	8.27	50.0	ug/l	FD049586.D
Aromatic C21-C36	Aromatic C21-C36	732		1	23.8	80.0	ug/l	FD049586.D
Total AliphaticEPH	Total AliphaticEPH	1760			66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	1510			38.4	180	ug/l	
Total EPH	Total EPH	3270			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069505.D	1	07/22/25	07/23/25	PB168970

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Aliphatic C28-C40	Aliphatic C28-C40	677		23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.3		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:	PB168970BSD	Acq On:	23 Jul 2025 12:14
Client Sample ID:	PB168970BSD	Operator:	YP/AJ
Data file:	FC069505.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	13705521	98.601	300	ug/ml
Aliphatic C12-C16	6.598	9.999	12977878	90.078	200	ug/ml
Aliphatic C16-C21	10.000	13.366	20282735	149.141	300	ug/ml
Aliphatic C21-C28	13.367	17.030	24166114	203.095	400	ug/ml
Aliphatic C28-C40	17.031	22.001	30447568	338.746	600	ug/ml
Aliphatic EPH	3.301	22.001	101579816	879.662		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	5347841	47.32		ug/ml
Aliphatic C9-C28	3.301	17.030	71132248	540.915	1200	ug/ml