284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Paterson Remediation	Date Received:	
Client Sample ID:	PB168970BL	SDG No.:	Q2633
Lab Sample ID:	PB168970BL	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 10:48	PB168970

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.0	U	1	8.28	30.0	ug/l	FC069503.D
Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	1	13.5	20.0	ug/l	FC069503.D
Aliphatic C16-C21	Aliphatic C16-C21	30.0	U	1	8.34	30.0	ug/l	FC069503.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	12.5	40.0	ug/l	FC069503.D
Aliphatic C28-C40	Aliphatic C28-C40	60.0	U	1	23.8	60.0	ug/l	FC069503.D
Aromatic C10-C12	Aromatic C10-C12	20.0	U	1	2.07	20.0	ug/l	FD049584.D
Aromatic C12-C16	Aromatic C12-C16	30.0	U	1	4.26	30.0	ug/l	FD049584.D
Aromatic C16-C21	Aromatic C16-C21	50.0	U	1	8.27	50.0	ug/l	FD049584.D
Aromatic C21-C36	Aromatic C21-C36	80.0	U	1	23.8	80.0	ug/l	FD049584.D
Total AliphaticEPH	Total AliphaticEPH	180	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	180	U		38.4	180	ug/l	
Total EPH	Total EPH	360	U		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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Aliphatic C12-C16	Aliphatic C12-C16	20.0	U	1	13.5	20.0	ug/l	FC069503.D
Aliphatic C16-C21	Aliphatic C16-C21	30.0	U	1	8.34	30.0	ug/l	FC069503.D
Aliphatic C21-C28	Aliphatic C21-C28	40.0	U	1	12.5	40.0	ug/l	FC069503.D
Aliphatic C28-C40	Aliphatic C28-C40	60.0	U	1	23.8	60.0	ug/l	FC069503.D
Aromatic C10-C12	Aromatic C10-C12	20.0	U	1	2.07	20.0	ug/l	FD049584.D
Aromatic C12-C16	Aromatic C12-C16	30.0	U	1	4.26	30.0	ug/l	FD049584.D
Aromatic C16-C21	Aromatic C16-C21	50.0	U	1	8.27	50.0	ug/l	FD049584.D
Aromatic C21-C36	Aromatic C21-C36	80.0	U	1	23.8	80.0	ug/l	FD049584.D
Total AliphaticEPH	Total AliphaticEPH	180	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	180	U		38.4	180	ug/l	
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Project:	Paterson Remediation	Date Received:	
Client Sample ID:	PB168970BL	SDG No.:	Q2633
Lab Sample ID:	PB168970BL	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 08:00	07/23/25 10:48	PB168970

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	1	8.28	30.0	ug/l	FC069503.D
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	1	13.5	20.0	ug/l	FC069503.D
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	1	8.34	30.0	ug/l	FC069503.D
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	1	12.5	40.0	ug/l	FC069503.D
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	1	23.8	60.0	ug/l	FC069503.D
Aromatic C10-C12	Aromatic C10-C12	2.07	U	1	2.07	20.0	ug/l	FD049584.D
Aromatic C12-C16	Aromatic C12-C16	4.26	U	1	4.26	30.0	ug/l	FD049584.D
Aromatic C16-C21	Aromatic C16-C21	8.27	U	1	8.27	50.0	ug/l	FD049584.D
Aromatic C21-C36	Aromatic C21-C36	23.8	U	1	23.8	80.0	ug/l	FD049584.D
Total AliphaticEPH	Total AliphaticEPH	66.4	U		66.4	180	ug/l	
Total AromaticEPH	Total AromaticEPH	38.4	U		38.4	180	ug/l	
Total EPH	Total EPH	105	U		105	360	ug/l	

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Report of Analysis

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Project:	Paterson Remediation		Date Received:		
Client Sample ID:	PB168970BL		SDG No.:	Q2633	
Lab Sample ID:	PB168970BL		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				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069503.D	1	07/22/25	07/23/25	PB168970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	8.28	U	8.28	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13.5	U	13.5	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	8.34	U	8.34	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	12.5	U	12.5	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	23.8	U	23.8	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168970BL	Acq On:	23 Jul 2025 10:48
Client Sample ID:	PB168970BL	Operator:	YP/AJ
Data file:	FC069503.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.597	0	0	300	ug/ml
Aliphatic C12-C16	6.598	9.999	0	0	200	ug/ml
Aliphatic C16-C21	10.000	13.366	0	0	300	ug/ml
Aliphatic C21-C28	13.367	17.030	0	0	400	ug/ml
Aliphatic C28-C40	17.031	22.001	0	0	600	ug/ml
Aliphatic EPH	3.301	22.001	0	0		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	4690328	41.5		ug/ml
Aliphatic C9-C28	3.301	17.030	0	0	1200	ug/ml