

Report of Analysis

Client:	PSEG	Date Collected:	02/26/25
Project:	Bayway Switch	Date Received:	02/26/25
Client Sample ID:	286107	SDG No.:	Q1435
Lab Sample ID:	Q1435-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :	SW3510	Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 08:42	02/27/25 22:25	PB166905

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.71	J	1	5.82	30.3	ug/l	FE052547.D
Aliphatic C12-C16	Aliphatic C12-C16	12.0	J	1	3.65	20.2	ug/l	FE052547.D
Aliphatic C16-C21	Aliphatic C16-C21	10.9	J	1	5.19	30.3	ug/l	FE052547.D
Aliphatic C21-C28	Aliphatic C21-C28	9.17	J	1	9.06	40.4	ug/l	FE052547.D
Aliphatic C28-C40	Aliphatic C28-C40	200		1	17.2	60.6	ug/l	FE052547.D
Aromatic C10-C12	Aromatic C10-C12	7.93	J	1	3.35	20.2	ug/l	FG015418.D
Aromatic C12-C16	Aromatic C12-C16	11.1	J	1	3.73	30.3	ug/l	FG015418.D
Aromatic C16-C21	Aromatic C16-C21	69.8		1	12.8	50.5	ug/l	FG015418.D
Aromatic C21-C36	Aromatic C21-C36	32.6	J	1	25.5	80.8	ug/l	FG015418.D
Total AliphaticEPH	Total AliphaticEPH	242			40.9	182	ug/l	
Total AromaticEPH	Total AromaticEPH	121	J		45.4	182	ug/l	
Total EPH	Total EPH	363	J		86.3	364	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:			uL
Prep Method :	SW3510	Final Vol:	2000
		Test:	EPH

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052547.D	1	02/27/25	02/27/25	PB166905

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Aliphatic C16-C21	Aliphatic C16-C21	10.9	J	5.19	30.3	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	9.17	J	9.06	40.4	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	200		17.2	60.6	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.8		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1435-01	Acq On:	27 Feb 2025 22:25
Client Sample ID:	286107	Operator:	YP\AJ
Data file:	FE052547.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.799	748922	4.806	300	ug/ml
Aliphatic C12-C16	6.800	10.251	950325	5.922	200	ug/ml
Aliphatic C16-C21	10.252	13.629	867357	5.403	300	ug/ml
Aliphatic C21-C28	13.630	17.301	705147	4.537	400	ug/ml
Aliphatic C28-C40	17.302	22.224	13028328	99.465	600	ug/ml
Aliphatic EPH	3.155	22.224	16300079	120.133		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	4000875	28.78		ug/ml
Aliphatic C9-C28	3.155	17.301	3271751	20.668	1200	ug/ml