

Report of Analysis

Client:	PSEG	Date Collected:	01/21/25
Project:	Jackson Road Substation M-2239 Oil Flushouts	Date Received:	01/21/25
Client Sample ID:	FRAC-TANK-F06078	SDG No.:	Q1140
Lab Sample ID:	Q1140-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
01/22/25 08:30	01/22/25 17:27	PB166168

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	30.3	U	1	5.82	30.3	ug/l	FG015124.D
Aliphatic C12-C16	Aliphatic C12-C16	15.6	J	1	3.65	20.2	ug/l	FG015124.D
Aliphatic C16-C21	Aliphatic C16-C21	47.5		1	5.19	30.3	ug/l	FG015124.D
Aliphatic C21-C28	Aliphatic C21-C28	942		5	45.3	202	ug/l	FG015130.D
Aliphatic C28-C40	Aliphatic C28-C40	2380		5	85.9	303	ug/l	FG015130.D
Aromatic C10-C12	Aromatic C10-C12	9.23	J	1	3.35	20.2	ug/l	FF015274.D
Aromatic C12-C16	Aromatic C12-C16	15.7	J	1	3.73	30.3	ug/l	FF015274.D
Aromatic C16-C21	Aromatic C16-C21	38.7	J	1	12.8	50.5	ug/l	FF015274.D
Aromatic C21-C36	Aromatic C21-C36	116		1	25.5	80.8	ug/l	FF015274.D
Total AliphaticEPH	Total AliphaticEPH	3380			146	586	ug/l	
Total AromaticEPH	Total AromaticEPH	180	J		45.4	182	ug/l	
Total EPH	Total EPH	3560			191	768	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

Report of Analysis

Client:	PSEG	Date Collected:	01/21/25
Project:	Jackson Road Substation M-2239 Oil Flushouts	Date Received:	01/21/25
Client Sample ID:	FRAC-TANK-F06078	SDG No.:	Q1140
Lab Sample ID:	Q1140-01	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	990 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
FF015274.D	1	01/22/25	01/22/25	PB166168

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	9.23	J	3.35	20.2	ug/l
Aromatic C12-C16	Aromatic C12-C16	15.7	J	3.73	30.3	ug/l
Aromatic C16-C21	Aromatic C16-C21	38.7	J	12.8	50.5	ug/l
Aromatic C21-C36	Aromatic C21-C36	116		25.5	80.8	ug/l
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	44.6		40 - 140	89%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	46.5		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.7		40 - 140	49%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1140-01	Acq On:	22 Jan 2025 17:27
Client Sample ID:	FRAC-TANK-F06078	Operator:	YP\AJ
Data file:	FF015274.D	Misc:	
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.503	6.371	732502	4.568	200	ug/ml
Aromatic C12-C16	6.372	9.065	1244471	7.762	300	ug/ml
Aromatic C16-C21	9.066	13.380	2998333	19.136	500	ug/ml
Aromatic C21-C36	13.381	18.828	8362369	57.436	800	ug/ml
Aromatic EPH	4.503	18.828	13337675	88.902		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	4251473	24.7		ug/ml
2-Bromonaphthalene (SURR)	7.994	7.994	5883217	44.57		ug/ml
2-Fluorobiphenyl (SURR)	8.868	8.868	3924539	46.49		ug/ml