

Report of Analysis

Client:	PSEG	Date Collected:	11/08/24
Project:	N-2266 Manifold Replacement Project	Date Received:	11/08/24
Client Sample ID:	HINCHMAN-OILY-WATER	SDG No.:	P4791
Lab Sample ID:	P4791-02	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
11/09/24 08:38	11/12/24 14:56	PB164847

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5340		20	115	600	ug/l	FC067711.D
Aliphatic C12-C16	Aliphatic C12-C16	12100		100	361	2000	ug/l	FC067712.D
Aliphatic C16-C21	Aliphatic C16-C21	12900		100	514	3000	ug/l	FC067712.D
Aliphatic C21-C28	Aliphatic C21-C28	3860		20	179	800	ug/l	FC067711.D
Aliphatic C28-C40	Aliphatic C28-C40	2390		20	340	1200	ug/l	FC067711.D
Aromatic C10-C12	Aromatic C10-C12	976		10	33.2	200	ug/l	FD048709.D
Aromatic C12-C16	Aromatic C12-C16	3040		10	36.9	300	ug/l	FD048709.D
Aromatic C16-C21	Aromatic C16-C21	5030		10	127	500	ug/l	FD048709.D
Aromatic C21-C36	Aromatic C21-C36	9520		10	252	800	ug/l	FD048709.D
Total AliphaticEPH	Total AliphaticEPH	36600			1510	7600	ug/l	
Total AromaticEPH	Total AromaticEPH	18600			449	1800	ug/l	
Total EPH	Total EPH	55100			1960	9400	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
FC067698.D	1	11/09/24	11/11/24	PB164847

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5210	E	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	13300	E	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	11200	E	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	4840	E	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	2610	E	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.3		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4791-02	Acq On:	11 Nov 2024 17:47
Client Sample ID:	HINCHMAN-OILY-WATE	Operator:	YP/AJ
Data file:	FC067698.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.170	6.450	352638842	2600	300	ug/ml
Aliphatic C12-C16	6.451	9.840	873140770	6630	200	ug/ml
Aliphatic C16-C21	9.841	13.198	712759306	5600	300	ug/ml
Aliphatic C21-C28	13.199	16.853	290748863	2420	400	ug/ml
Aliphatic C28-C40	16.854	21.695	131683719	1300	600	ug/ml
Aliphatic EPH	3.170	21.695	2360971500	18600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.940	12.940	5102861	47.25		ug/ml
Aliphatic C9-C28	3.170	16.853	2229287781	17300	1200	ug/ml