

Report of Analysis

Client:	PSEG	Date Collected:	11/08/24
Project:	Hawthorne Sub	Date Received:	11/08/24
Client Sample ID:	MANHOLE-WASTE-DRUM	SDG No.:	P4792
Lab Sample ID:	P4792-04	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	11/11/24 18:23	PB164847

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	39.2		1	5.76	30.0	ug/l	FC067699.D
Aliphatic C12-C16	Aliphatic C12-C16	4210		20	72.2	400	ug/l	FC067707.D
Aliphatic C16-C21	Aliphatic C16-C21	27800		100	514	3000	ug/l	FC067708.D
Aliphatic C21-C28	Aliphatic C21-C28	32500		100	897	4000	ug/l	FC067708.D
Aliphatic C28-C40	Aliphatic C28-C40	7410		20	340	1200	ug/l	FC067707.D
Aromatic C10-C12	Aromatic C10-C12	18.4	J	1	3.32	20.0	ug/l	FD048703.D
Aromatic C12-C16	Aromatic C12-C16	852		2	7.38	60.0	ug/l	FD048710.D
Aromatic C16-C21	Aromatic C16-C21	14800		20	254	1000	ug/l	FD048711.D
Aromatic C21-C36	Aromatic C21-C36	15300		20	504	1600	ug/l	FD048711.D
Total AliphaticEPH	Total AliphaticEPH	72000			1830	8630	ug/l	
Total AromaticEPH	Total AromaticEPH	30900			769	2680	ug/l	
Total EPH	Total EPH	103000			2600	11300	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
FC067699.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	39.2		5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	3620	E	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	22200	E	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	28800	E	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	6560	E	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	67.1		40 - 140	134%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4792-04	Acq On:	11 Nov 2024 18:23
Client Sample ID:	MANHOLE-WASTE-DRU	Operator:	YP/AJ
Data file:	FC067699.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.170	6.450	2652213	19.578	300	ug/ml
Aliphatic C12-C16	6.451	9.840	238572503	1810	200	ug/ml
Aliphatic C16-C21	9.841	13.198	1412105447	11100	300	ug/ml
Aliphatic C21-C28	13.199	16.853	1731260453	14400	400	ug/ml
Aliphatic C28-C40	16.854	21.695	331636785	3280	600	ug/ml
Aliphatic EPH	3.170	21.695	3716227401	30600		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.954	12.954	7246989	67.11		ug/ml
Aliphatic C9-C28	3.170	16.853	3384590616	27300	1200	ug/ml