

Report of Analysis

Client:	PSEG	Date Collected:	03/06/25
Project:	Burlington Gas District	Date Received:	03/06/25
Client Sample ID:	OILY-DEBRIS-COMP	SDG No.:	Q1518
Lab Sample ID:	Q1518-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/07/25 09:15	03/10/25 12:00	PB167032

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	920		50	97.5	108	mg/kg	FE052695.D
Aliphatic C9-C28	Aliphatic C9-C28	697		50	93.2	217	mg/kg	FE052695.D
Total AliphaticEPH	Total AliphaticEPH	1620			191	325	mg/kg	
Total EPH	Total EPH	1620			191	325	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052687.D	1	03/07/25	03/07/25	PB167032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	674	E	1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	770	E	1.95	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.5		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.8		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1518-01	Acq On:	07 Mar 2025 18:24
Client Sample ID:	OILY-DEBRIS-COMP	Operator:	YP\AJ
Data file:	FE052687.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	6840025	43.861	300	ug/ml
Aliphatic C12-C16	6.797	10.250	5048018	33.189	200	ug/ml
Aliphatic C16-C21	10.251	13.630	44421365	303.118	300	ug/ml
Aliphatic C21-C28	13.631	17.303	1276799685	8960	400	ug/ml
Aliphatic C28-C40	17.304	22.224	1360532900	10700	600	ug/ml
Aliphatic EPH	3.151	22.224	2693641993	20100		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	4353310	25.82		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	3698441	30.46		ug/ml
Aliphatic C9-C28	3.151	17.303	1333109093	9340	1200	ug/ml