

Report of Analysis

Client:	PSEG	Date Collected:	03/17/25
Project:	Burlington Gas District	Date Received:	03/17/25
Client Sample ID:	OILY-DEBRIS-COMP	SDG No.:	Q1592
Lab Sample ID:	Q1592-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/18/25 11:05	03/19/25 10:25	PB167185

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	1180		100	137	233	mg/kg FE052856.D
Aliphatic C9-C28	Aliphatic C9-C28	1090		100	106	465	mg/kg FE052856.D
Total AliphaticEPH	Total AliphaticEPH	2270			243	698	mg/kg
Total EPH	Total EPH	2270			243	698	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
FE052844.D	1	03/18/25	03/18/25	PB167185

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	935	E	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1080	E	1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1592-01	Acq On:	18 Mar 2025 17:43
Client Sample ID:	OILY-DEBRIS-COMP	Operator:	YP\AJ
Data file:	FE052844.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.792	9333816	59.852	300	ug/ml
Aliphatic C12-C16	6.793	10.244	7680858	50.499	200	ug/ml
Aliphatic C16-C21	10.245	13.622	54277228	370.371	300	ug/ml
Aliphatic C21-C28	13.623	17.296	1645931235	11600	400	ug/ml
Aliphatic C28-C40	17.297	22.214	1777675631	13900	600	ug/ml
Aliphatic EPH	3.149	22.214	3494898768	26000		ug/ml
ortho-Terphenyl (SURR)	11.908	11.908	5181579	30.74		ug/ml
1-chlorooctadecane (SURR)	13.358	13.358	4292460	35.35		ug/ml
Aliphatic C9-C28	3.149	17.296	1717223137	12000	1200	ug/ml