284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	10/21/25
Project:	New Brunswick Gas and Appliance Service MA00006789	Date Received:	10/21/25
Client Sample ID:	NB-08-10212025-E2	SDG No.:	Q3416
Lab Sample ID:	Q3416-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.08 g Final Vol: 2000 uL	Test:	EPH_NF
Prep Method :	Prep Date : 10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	22.9		1	1.25	2.12	mg/kg	FE056447.D	10/22/25 18:05	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	96.8		2	1.94	8.49	mg/kg	FE056456.D	10/23/25 9:28	PB170207
Total AliphaticEPH	Total AliphaticEPH	120			3.19	10.6	mg/kg			
Total EPH	Total EPH	120			3.19	10.6	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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Prep Method :		Prep Date	10/22/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	95.2	E	1	0.97	4.25	mg/kg	10/22/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	22.9		1	1.25	2.12	mg/kg	10/22/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	34.0			40 - 140	68%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	36.8			40 - 140	74%	SPK: 50		

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3416-02	Acq On:	22 Oct 2025 18:05
Client Sample ID:	NB-08-10212025-E2	Operator:	YP\AJ
Data file:	FE056447.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.923	9471220	57.374	300	ug/ml
Aliphatic C12-C16	6.924	10.374	116003822	680.193	200	ug/ml
Aliphatic C16-C21	10.375	13.753	91464456	512.01	300	ug/ml
Aliphatic C21-C28	13.754	17.425	16705632	93.281	400	ug/ml
Aliphatic C28-C40	17.426	22.420	44858671	323.183	600	ug/ml
Aliphatic EPH	3.296	22.420	278503801	1670		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	7512373	36.77		ug/ml
1-chlorooctadecane (SURR)	13.489	13.489	5180471	33.95		ug/ml
Aliphatic C9-C28	3.296	17.425	233645130	1340	1200	ug/ml