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

Report of Analysis

Client:	PSEG	Date Collected:	06/18/25
Project:	Trenton Gas and Appliance Service MA00006789	Date Received:	06/18/25
Client Sample ID:	TR-06-06182025	SDG No.:	Q2357
Lab Sample ID:	Q2357-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/19/25 09:35	06/20/25 8:21	PB168552

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	49.2		2	2.60	4.40	mg/kg	FE054510.D
Aliphatic C9-C28	Aliphatic C9-C28	15.4		1	1.00	4.40	mg/kg	FE054498.D
Total AliphaticEPH	Total AliphaticEPH	64.6			3.60	8.80	mg/kg	
Total EPH	Total EPH	64.6			3.60	8.80	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054498.D	1	06/19/25	06/19/25	PB168552

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		15.4		1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		53.3	E	1.30	2.20	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.6		40 - 140	65%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2357-01	Acq On:	19 Jun 2025 16:26
Client Sample ID:	TR-06-06182025	Operator:	YP\AJ
Data file:	FE054498.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	2442187	19.498	300	ug/ml
Aliphatic C12-C16	6.718	10.164	5624696	42.887	200	ug/ml
Aliphatic C16-C21	10.165	13.537	9247914	69.052	300	ug/ml
Aliphatic C21-C28	13.538	17.203	9921972	78.083	400	ug/ml
Aliphatic C28-C40	17.204	22.070	93167146	726.476	600	ug/ml
Aliphatic EPH	3.072	22.070	120403915	935.996		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	5388051	32.61		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	4362233	35.77		ug/ml
Aliphatic C9-C28	3.072	17.203	27236769	209.52	1200	ug/ml