

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	03/04/25
Client Sample ID:	OR-03-030425-E2	SDG No.:	Q1482
Lab Sample ID:	Q1482-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
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
03/05/25 08:33	03/06/25 10:06	PB166980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	72.0		5	9.89	11.0	mg/kg	FE052654.D
Aliphatic C9-C28	Aliphatic C9-C28	16.0		1	1.89	4.40	mg/kg	FE052640.D
Total AliphaticEPH	Total AliphaticEPH	88.0			11.8	15.4	mg/kg	
Total EPH	Total EPH	88.0			11.8	15.4	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
FE052640.D	1	03/05/25	03/05/25	PB166980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.0		1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.7	E	1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.5		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1482-02	Acq On:	05 Mar 2025 19:57
Client Sample ID:	OR-03-030425-E2	Operator:	YP\AJ
Data file:	FE052640.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	3.153	6.797	1297102	8.318	300	ug/ml
Aliphatic C12-C16	6.798	10.248	2553992	16.792	200	ug/ml
Aliphatic C16-C21	10.249	13.627	11745535	80.148	300	ug/ml
Aliphatic C21-C28	13.628	17.301	16127518	113.214	400	ug/ml
Aliphatic C28-C40	17.302	22.222	142230857	1110	600	ug/ml
Aliphatic EPH	3.153	22.222	173955004	1330		ug/ml
ortho-Terphenyl (SURR)	11.918	11.918	4695276	27.85		ug/ml
1-chlorooctadecane (SURR)	13.364	13.364	4071719	33.53		ug/ml
Aliphatic C9-C28	3.153	17.301	31724147	218.472	1200	ug/ml