

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	06/02/25
Client Sample ID:	OR-03-06022025-E2	SDG No.:	Q2182
Lab Sample ID:	Q2182-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/04/25 11:45	06/05/25 10:08	PB168287

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	97.1		5	6.87	11.6	mg/kg	FE054187.D
Aliphatic C9-C28	Aliphatic C9-C28	32.4		1	1.06	4.65	mg/kg	FE054172.D
Total AliphaticEPH	Total AliphaticEPH	130			7.93	16.2	mg/kg	
Total EPH	Total EPH	130			7.93	16.2	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
FE054172.D	1	06/04/25	06/04/25	PB168287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	32.4		1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	87.7	E	1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2182-02	Acq On:	04 Jun 2025 16:22
Client Sample ID:	OR-03-06022025-E2	Operator:	YP\AJ
Data file:	FE054172.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.728	622403	4.591	300	ug/ml
Aliphatic C12-C16	6.729	10.176	4259109	31.563	200	ug/ml
Aliphatic C16-C21	10.177	13.550	17999550	136.452	300	ug/ml
Aliphatic C21-C28	13.551	17.217	30364330	244.525	400	ug/ml
Aliphatic C28-C40	17.218	22.089	130311913	1130	600	ug/ml
Aliphatic EPH	3.084	22.089	183557305	1550		ug/ml
ortho-Terphenyl (SURR)	11.839	11.839	4542439	27.95		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4310964	36.36		ug/ml
Aliphatic C9-C28	3.084	17.217	53245392	417.131	1200	ug/ml