

Report of Analysis

Client:	PSEG	Date Collected:	04/14/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	04/14/25
Client Sample ID:	OR-03-041425	SDG No.:	Q1806
Lab Sample ID:	Q1806-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/15/25 09:03	04/15/25 15:41	PB167597

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.31	2.22	mg/kg FE053372.D
Aliphatic C9-C28	Aliphatic C9-C28	15.7		1	1.01	4.44	mg/kg FE053372.D
Total AliphaticEPH	Total AliphaticEPH	42.2			2.32	6.66	mg/kg
Total EPH	Total EPH	42.2			2.32	6.66	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
FE053372.D	1	04/15/25	04/15/25	PB167597

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.7		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.6		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1806-01	Acq On:	15 Apr 2025 15:41
Client Sample ID:	OR-03-041425	Operator:	YP\AJ
Data file:	FE053372.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.136	6.780	948195	6.077	300	ug/ml
Aliphatic C12-C16	6.781	10.233	2784660	18.126	200	ug/ml
Aliphatic C16-C21	10.234	13.612	12515803	86.712	300	ug/ml
Aliphatic C21-C28	13.613	17.286	13620096	101.38	400	ug/ml
Aliphatic C28-C40	17.287	22.197	44397982	357.309	600	ug/ml
Aliphatic EPH	3.136	22.197	74266736	569.603		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	4006101	24.59		ug/ml
1-chlorooctadecane (SURR)	13.340	13.340	3511967	29.26		ug/ml
Aliphatic C9-C28	3.136	17.286	29868754	212.295	1200	ug/ml