

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Oradell Gas	Date Received:	04/25/25
Client Sample ID:	295-BERGEN-RO	SDG No.:	Q1896
Lab Sample ID:	Q1896-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.4
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
04/29/25 09:05	04/29/25 13:42	PB167778

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.35		1	1.36	2.31	mg/kg FE053566.D
Aliphatic C9-C28	Aliphatic C9-C28	7.38		1	1.05	4.63	mg/kg FE053566.D
Total AliphaticEPH	Total AliphaticEPH	10.7			2.41	6.94	mg/kg
Total EPH	Total EPH	10.7			2.41	6.94	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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Analytical Method:	NJEPH	% Solid:	86.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053566.D	1	04/29/25	04/29/25	PB167778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.38		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.35		1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.4		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1896-01	Acq On:	29 Apr 2025 13:42
Client Sample ID:	295-BERGEN-RO	Operator:	YP\AJ
Data file:	FE053566.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.116	6.759	327200	2.361	300	ug/ml
Aliphatic C12-C16	6.760	10.208	2403949	16.952	200	ug/ml
Aliphatic C16-C21	10.209	13.583	7545168	51.905	300	ug/ml
Aliphatic C21-C28	13.584	17.253	3477127	24.457	400	ug/ml
Aliphatic C28-C40	17.254	22.144	5609808	43.47	600	ug/ml
Aliphatic EPH	3.116	22.144	19363252	139.146		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	6396892	35.47		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	4919447	36.39		ug/ml
Aliphatic C9-C28	3.116	17.253	13753444	95.675	1200	ug/ml