

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Oradell Gas	Date Received:	04/25/25
Client Sample ID:	295-BERGEN-RO-E2	SDG No.:	Q1896
Lab Sample ID:	Q1896-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.05 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 14:12	PB167778

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.85		1	1.35	2.29	mg/kg FE053567.D
Aliphatic C9-C28	Aliphatic C9-C28	20.5		1	1.04	4.59	mg/kg FE053567.D
Total AliphaticEPH	Total AliphaticEPH	26.4			2.39	6.88	mg/kg
Total EPH	Total EPH	26.4			2.39	6.88	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053567.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	20.5		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.85		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.0		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1896-02	Acq On:	29 Apr 2025 14:12
Client Sample ID:	295-BERGEN-RO-E2	Operator:	YP\AJ
Data file:	FE053567.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	3.116	6.759	524700	3.787	300	ug/ml
Aliphatic C12-C16	6.760	10.208	4606509	32.485	200	ug/ml
Aliphatic C16-C21	10.209	13.583	23262050	160.026	300	ug/ml
Aliphatic C21-C28	13.584	17.253	10311060	72.524	400	ug/ml
Aliphatic C28-C40	17.254	22.144	9874544	76.518	600	ug/ml
Aliphatic EPH	3.116	22.144	48578863	345.339		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	4860340	26.95		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	3649609	27		ug/ml
Aliphatic C9-C28	3.116	17.253	38704319	268.822	1200	ug/ml