

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	02/04/25
Client Sample ID:	HR-01-020425	SDG No.:	Q1288
Lab Sample ID:	Q1288-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
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
02/05/25 10:10	02/06/25 10:29	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	96.8		5	10.1	11.2	mg/kg FE052258.D
Aliphatic C9-C28	Aliphatic C9-C28	66.3		1	1.93	4.49	mg/kg FE052246.D
Total AliphaticEPH	Total AliphaticEPH	163			12.0	15.7	mg/kg
Total EPH	Total EPH	163			12.0	15.7	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
FE052246.D	1	02/05/25	02/05/25	PB166565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	66.3		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	81.8	E	2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.9		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1288-01	Acq On:	05 Feb 2025 18:54
Client Sample ID:	HR-01-020425	Operator:	YP\AJ
Data file:	FE052246.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	197913366	1980		ug/ml
ortho-Terphenyl (SURR)	12.316	12.316	5179284	41.85		ug/ml
1-chlorooctadecane (SURR)	13.684	13.684	4169263	42.25		ug/ml
Aliphatic C9-C12	3.648	7.209	5083484	52.851	300	ug/ml
Aliphatic C12-C16	7.210	10.614	23246878	222.003	200	ug/ml
Aliphatic C16-C21	10.615	13.961	38808624	343.371	300	ug/ml
Aliphatic C21-C28	13.962	17.604	30630183	268.689	400	ug/ml
Aliphatic C28-C40	17.605	22.673	100144197	1090	600	ug/ml
Aliphatic C9-C28	3.648	17.604	97769169	886.914	1200	ug/ml