

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-04-020425	SDG No.:	Q1288
Lab Sample ID:	Q1288-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
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
02/05/25 10:10	02/06/25 11:29	PB166565

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	48.4		2	3.93	4.36	mg/kg FE052260.D
Aliphatic C9-C28	Aliphatic C9-C28	111		2	3.76	8.72	mg/kg FE052260.D
Total AliphaticEPH	Total AliphaticEPH	160			7.69	13.1	mg/kg
Total EPH	Total EPH	160			7.69	13.1	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
FE052248.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	99.5	E	1.88	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	53.9	E	1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1288-04	Acq On:	05 Feb 2025 19:54
Client Sample ID:	HR-04-020425	Operator:	YP\AJ
Data file:	FE052248.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.648	22.673	216066664	2110		ug/ml
ortho-Terphenyl (SURR)	12.316	12.316	3456092	27.92		ug/ml
1-chlorooctadecane (SURR)	13.725	13.725	2921037	29.6		ug/ml
Aliphatic C9-C12	3.648	7.209	10209237	106.142	300	ug/ml
Aliphatic C12-C16	7.210	10.614	63122587	602.808	200	ug/ml
Aliphatic C16-C21	10.615	13.961	59125969	523.135	300	ug/ml
Aliphatic C21-C28	13.962	17.604	15688430	137.619	400	ug/ml
Aliphatic C28-C40	17.605	22.673	67920441	741.866	600	ug/ml
Aliphatic C9-C28	3.648	17.604	148146223	1370	1200	ug/ml