

Report of Analysis

Client:	PSEG	Date Collected:	04/16/25
Project:	PL-714 Watchung	Date Received:	04/17/25
Client Sample ID:	PL-714-03	SDG No.:	Q1832
Lab Sample ID:	Q1832-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/18/25 10:00	04/18/25 19:02	PB167646

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	19.6		1	1.53	2.59	mg/kg FG015712.D
Aliphatic C9-C28	Aliphatic C9-C28	12.0		1	1.18	5.20	mg/kg FG015712.D
Total AliphaticEPH	Total AliphaticEPH	31.6			2.71	7.79	mg/kg
Total EPH	Total EPH	31.6			2.71	7.79	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:	76.9
Sample Wt/Vol:	30.07 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
FG015712.D	1	04/18/25	04/18/25	PB167646

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.0		1.18	5.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.6		1.53	2.59	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1832-05	Acq On:	18 Apr 2025 19:02
Client Sample ID:	PL-714-03	Operator:	YP\AJ
Data file:	FG015712.D	Misc:	
Instrument:	FID_G	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.788	284546	2.524	300	ug/ml
Aliphatic C12-C16	6.789	10.237	1366491	11.837	200	ug/ml
Aliphatic C16-C21	10.238	13.612	6218210	52.269	300	ug/ml
Aliphatic C21-C28	13.613	17.283	8144396	72.016	400	ug/ml
Aliphatic C28-C40	17.284	22.195	22349441	226.535	600	ug/ml
Aliphatic EPH	3.148	22.195	38363084	365.181		ug/ml
ortho-Terphenyl (SURR)	11.904	11.904	4392560	30.3		ug/ml
1-chlorooctadecane (SURR)	13.348	13.348	3664282	34.65		ug/ml
Aliphatic C9-C28	3.148	17.283	16013643	138.646	1200	ug/ml