

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/03/25
Client Sample ID:	Z-05A-EPH	SDG No.:	Q1712
Lab Sample ID:	Q1712-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/04/25 09:00	04/07/25 11:43	PB167458

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	91.6		10	13.3	22.5	mg/kg FE053208.D
Aliphatic C9-C28	Aliphatic C9-C28	327		10	10.3	45.1	mg/kg FE053208.D
Total AliphaticEPH	Total AliphaticEPH	419			23.6	67.6	mg/kg
Total EPH	Total EPH	419			23.6	67.6	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

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/03/25
Client Sample ID:	Z-05A-EPH	SDG No.:	Q1712
Lab Sample ID:	Q1712-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053197.D	1	04/04/25	04/04/25	PB167458

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	294	E	1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	100	E	1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	60.7		40 - 140	121%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.0		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1712-02	Acq On:	04 Apr 2025 17:14
Client Sample ID:	Z-05A-EPH	Operator:	YP\AJ
Data file:	FE053197.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.779	4853576	31.106	300	ug/ml
Aliphatic C12-C16	6.780	10.230	34029859	221.503	200	ug/ml
Aliphatic C16-C21	10.231	13.605	258823686	1790	300	ug/ml
Aliphatic C21-C28	13.606	17.275	253739107	1890	400	ug/ml
Aliphatic C28-C40	17.276	22.176	165697081	1330	600	ug/ml
Aliphatic EPH	3.138	22.176	717143309	5270		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	5869499	36.04		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	7287128	60.7		ug/ml
Aliphatic C9-C28	3.138	17.275	551446228	3930	1200	ug/ml