

Report of Analysis

Client:	PSEG	Date Collected:	02/27/25
Project:	Ridgefield M&R	Date Received:	02/27/25
Client Sample ID:	SP-SOIL	SDG No.:	Q1458
Lab Sample ID:	Q1458-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
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
02/28/25 08:30	02/28/25 14:46	PB166929

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.93		1	2.03	2.26	mg/kg FE052562.D
Aliphatic C9-C28	Aliphatic C9-C28	4.75		1	1.94	4.52	mg/kg FE052562.D
Total AliphaticEPH	Total AliphaticEPH	10.7			3.97	6.78	mg/kg
Total EPH	Total EPH	10.7			3.97	6.78	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052562.D	1	02/28/25	02/28/25	PB166929

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.75		1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.93		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.3		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1458-01	Acq On:	28 Feb 2025 14:46
Client Sample ID:	SP-SOIL	Operator:	YP\AJ
Data file:	FE052562.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.154	6.799	1145774	7.352	300	ug/ml
Aliphatic C12-C16	6.800	10.253	2137092	13.317	200	ug/ml
Aliphatic C16-C21	10.254	13.632	3155456	19.658	300	ug/ml
Aliphatic C21-C28	13.633	17.305	3542406	22.795	400	ug/ml
Aliphatic C28-C40	17.306	22.226	10325201	78.828	600	ug/ml
Aliphatic EPH	3.154	22.226	20305929	141.95		ug/ml
ortho-Terphenyl (SURR)	11.915	11.915	6194078	33.14		ug/ml
1-chlorooctadecane (SURR)	13.359	13.359	4769050	34.31		ug/ml
Aliphatic C9-C28	3.154	17.305	9980728	63.122	1200	ug/ml