

Report of Analysis

Client:	PSEG	Date Collected:	12/02/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/02/24
Client Sample ID:	OR-640-184	SDG No.:	P5052
Lab Sample ID:	P5052-16	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/03/24 08:10	12/03/24 14:56	PB165336

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.81		1	2.01	2.23	mg/kg FC067905.D
Aliphatic C9-C28	Aliphatic C9-C28	4.65		1	1.92	4.47	mg/kg FC067905.D
Total AliphaticEPH	Total AliphaticEPH	13.5			3.93	6.70	mg/kg
Total EPH	Total EPH	13.5			3.93	6.70	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067905.D	1	12/03/24	12/03/24	PB165336

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.65		1.92	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.81		2.01	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.9		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5052-16	Acq On:	03 Dec 2024 14:56
Client Sample ID:	OR-640-184	Operator:	YP/AJ
Data file:	FC067905.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.190	6.465	4626413	27.905	300	ug/ml
Aliphatic C12-C16	6.466	9.852	1317421	7.732	200	ug/ml
Aliphatic C16-C21	9.853	13.208	1918286	11.309	300	ug/ml
Aliphatic C21-C28	13.209	16.859	2436797	15.493	400	ug/ml
Aliphatic C28-C40	16.860	21.701	14349690	118.483	600	ug/ml
Aliphatic EPH	3.190	21.701	24648607	180.923		ug/ml
ortho-Terphenyl (SURR)	11.505	11.505	6573363	33.9		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	5184167	35.71		ug/ml
Aliphatic C9-C28	3.190	16.859	10298917	62.439	1200	ug/ml