

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:40	11/14/24 2:13	PB164943

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.41	U	1	0.41	1.07	mg/kg	FE051219.D
Aliphatic C12-C16	Aliphatic C12-C16	0.58	J	1	0.26	0.71	mg/kg	FE051219.D
Aliphatic C16-C21	Aliphatic C16-C21	0.48	J	1	0.32	1.07	mg/kg	FE051219.D
Aliphatic C21-C28	Aliphatic C21-C28	1.27	J	1	0.85	1.42	mg/kg	FE051219.D
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.92	2.13	mg/kg	FE051219.D
Aromatic C10-C12	Aromatic C10-C12	0.45	J	1	0.32	0.71	mg/kg	FF015019.D
Aromatic C12-C16	Aromatic C12-C16	4.10		1	0.36	1.07	mg/kg	FF015019.D
Aromatic C16-C21	Aromatic C16-C21	10.1		1	1.02	1.78	mg/kg	FF015019.D
Aromatic C21-C36	Aromatic C21-C36	14.6		1	2.13	2.85	mg/kg	FF015019.D
Total AliphaticEPH	Total AliphaticEPH	21.2			3.75	6.40	mg/kg	
Total AromaticEPH	Total AromaticEPH	29.3			3.83	6.41	mg/kg	
Total EPH	Total EPH	50.5			7.59	12.8	mg/kg	

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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FE051219.D	1	11/13/24	11/14/24	PB164943

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Aliphatic C21-C28	Aliphatic C21-C28	1.27	J	0.85	1.42	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4822-07	Acq On:	14 Nov 2024 02:13
Client Sample ID:	SOIL-4	Operator:	YP\AJ
Data file:	FE051219.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	431903	3.087	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1142258	8.122	200	ug/ml
Aliphatic C16-C21	10.188	13.546	933124	6.773	300	ug/ml
Aliphatic C21-C28	13.547	17.200	2388026	17.828	400	ug/ml
Aliphatic C28-C40	17.201	22.043	34293646	266.362	600	ug/ml
Aliphatic EPH	3.138	22.043	39188957	302.171		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	4869544	42.89		ug/ml
Aliphatic C9-C28	3.138	17.200	4895311	35.81	1200	ug/ml