

Report of Analysis

Client:	ENTACT	Date Collected:	10/23/24
Project:	North Point	Date Received:	10/23/24
Client Sample ID:	EX-5-TPH-4	SDG No.:	P4518
Lab Sample ID:	P4518-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.2
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH

Prep Date :	Date Analyzed :	Prep Batch ID
10/25/24 09:05	10/29/24 11:23	PB164396

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	140		10	4.73	12.4	mg/kg FC067556.D
Aliphatic C12-C16	Aliphatic C12-C16	860		100	29.8	82.9	mg/kg FC067557.D
Aliphatic C16-C21	Aliphatic C16-C21	779		100	37.3	124	mg/kg FC067557.D
Aliphatic C21-C28	Aliphatic C21-C28	162		10	9.95	16.6	mg/kg FC067556.D
Aliphatic C28-C40	Aliphatic C28-C40	172		10	22.4	24.9	mg/kg FC067556.D
Aromatic C10-C12	Aromatic C10-C12	33.4		5	1.87	4.15	mg/kg FD048615.D
Aromatic C12-C16	Aromatic C12-C16	254		20	8.46	24.9	mg/kg FD048616.D
Aromatic C16-C21	Aromatic C16-C21	670		20	23.9	41.5	mg/kg FD048616.D
Aromatic C21-C36	Aromatic C21-C36	88.5		5	12.4	16.6	mg/kg FD048615.D
Total AliphaticEPH	Total AliphaticEPH	2110			104	261	mg/kg
Total AromaticEPH	Total AromaticEPH	1050			46.6	87.2	mg/kg
Total EPH	Total EPH	3160			151	348	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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Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067529.D	1	10/25/24	10/25/24	PB164396

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	121	E	0.47	1.24	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	691	E	0.30	0.83	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	675	E	0.37	1.24	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	186	E	1.00	1.66	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	184	E	2.24	2.49	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.6		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4518-04	Acq On:	25 Oct 2024 18:06
Client Sample ID:	EX-5-TPH-4	Operator:	YP/AJ
Data file:	FC067529.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	3.173	6.453	199202192	1470	300	ug/ml
Aliphatic C12-C16	6.454	9.843	1097748146	8340	200	ug/ml
Aliphatic C16-C21	9.844	13.201	1036694090	8150	300	ug/ml
Aliphatic C21-C28	13.202	16.856	270766709	2250	400	ug/ml
Aliphatic C28-C40	16.857	21.702	224502297	2220	600	ug/ml
Aliphatic EPH	3.173	21.702	2828913434	22400		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.943	12.943	3955002	36.62		ug/ml
Aliphatic C9-C28	3.173	16.856	2604411137	20300	1200	ug/ml