

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	07/11/23
Project:	LOD-LOQ Study	Date Received:	07/11/23
Client Sample ID:	LOQ-WATER-02-QT3-2023	SDG No.:	O3572
Lab Sample ID:	O3572-08	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
08/03/23 08:00	08/07/23 15:35	PB154616

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	22.4	J	1	6.87	30.0	ug/l	FC064338.D
Aliphatic C12-C16	Aliphatic C12-C16	15.1	J	1	3.59	20.0	ug/l	FC064338.D
Aliphatic C16-C21	Aliphatic C16-C21	26.8	J	1	4.10	30.0	ug/l	FC064338.D
Aliphatic C21-C28	Aliphatic C21-C28	32.2	J	1	7.08	40.0	ug/l	FC064338.D
Aliphatic C28-C40	Aliphatic C28-C40	41.4	J	1	16.7	60.0	ug/l	FC064338.D
Total AliphaticEPH	Total AliphaticEPH	138	J		38.3	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	138	J		38.3	180	ug/l	

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

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B = Analyte Found in Associated Method Blank

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284 Sheffield Street, Mountainside NJ 07092 Phone: 908 789 8900 Fax : 908 789 8922

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			uL

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FC064338.D	1	08/03/23	08/07/23	PB154616

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SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.0		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O3572-08	Acq On:	07 Aug 2023 15:35
Client Sample ID:	LOQ-WATER-02-QT3-202	Operator:	YP/AJ
Data file:	FC064338.D	Misc:	LOQ 5 PPM
Instrument:	FID_C	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.207	6.479	1826888	11.207	300	ug/ml
Aliphatic C12-C16	6.480	9.864	1186813	7.553	200	ug/ml
Aliphatic C16-C21	9.865	13.215	2023010	13.379	300	ug/ml
Aliphatic C21-C28	13.216	16.862	2229363	16.079	400	ug/ml
Aliphatic C28-C40	16.863	21.694	2841800	20.692	600	ug/ml
Aliphatic EPH	3.207	21.694	10107874	68.911		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.950	12.950	4911614	38.95		ug/ml
Aliphatic C9-C28	3.207	16.862	7266074	48.218	1200	ug/ml