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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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
05/09/24 09:41	05/09/24 18:41	PB160814

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.2	J	1	5.76	30.0	ug/l	FC066360.D
Aliphatic C12-C16	Aliphatic C12-C16	9.51	J	1	3.61	20.0	ug/l	FC066360.D
Aliphatic C16-C21	Aliphatic C16-C21	15.1	J	1	5.14	30.0	ug/l	FC066360.D
Aliphatic C21-C28	Aliphatic C21-C28	22.3	J	1	8.97	40.0	ug/l	FC066360.D
Aliphatic C28-C40	Aliphatic C28-C40	35.0	J	1	17.0	60.0	ug/l	FC066360.D
Total AliphaticEPH	Total AliphaticEPH	94.1	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	94.1	J		40.5	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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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
05/09/24 09:41	05/09/24 18:41	PB160814

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.2	J	1	5.76	30.0	ug/l	FC066360.D
Aliphatic C12-C16	Aliphatic C12-C16	9.51	J	1	3.61	20.0	ug/l	FC066360.D
Aliphatic C16-C21	Aliphatic C16-C21	15.1	J	1	5.14	30.0	ug/l	FC066360.D
Aliphatic C21-C28	Aliphatic C21-C28	22.3	J	1	8.97	40.0	ug/l	FC066360.D
Aliphatic C28-C40	Aliphatic C28-C40	35.0	J	1	17.0	60.0	ug/l	FC066360.D
Total AliphaticEPH	Total AliphaticEPH	94.1	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	94.1	J		40.5	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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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
05/09/24 09:41	05/09/24 18:41	PB160814

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.2	J	1	5.76	30.0	ug/l	FC066360.D
Aliphatic C12-C16	Aliphatic C12-C16	9.51	J	1	3.61	20.0	ug/l	FC066360.D
Aliphatic C16-C21	Aliphatic C16-C21	15.1	J	1	5.14	30.0	ug/l	FC066360.D
Aliphatic C21-C28	Aliphatic C21-C28	22.3	J	1	8.97	40.0	ug/l	FC066360.D
Aliphatic C28-C40	Aliphatic C28-C40	35.0	J	1	17.0	60.0	ug/l	FC066360.D
Total AliphaticEPH	Total AliphaticEPH	94.1	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	94.1	J		40.5	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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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
05/09/24 09:41	05/09/24 18:41	PB160814

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.2	J	1	5.76	30.0	ug/l	FC066360.D
Aliphatic C12-C16	Aliphatic C12-C16	9.51	J	1	3.61	20.0	ug/l	FC066360.D
Aliphatic C16-C21	Aliphatic C16-C21	15.1	J	1	5.14	30.0	ug/l	FC066360.D
Aliphatic C21-C28	Aliphatic C21-C28	22.3	J	1	8.97	40.0	ug/l	FC066360.D
Aliphatic C28-C40	Aliphatic C28-C40	35.0	J	1	17.0	60.0	ug/l	FC066360.D
Total AliphaticEPH	Total AliphaticEPH	94.1	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	94.1	J		40.5	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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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
05/09/24 09:41	05/09/24 18:41	PB160814

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.2	J	1	5.76	30.0	ug/l	FC066360.D
Aliphatic C12-C16	Aliphatic C12-C16	9.51	J	1	3.61	20.0	ug/l	FC066360.D
Aliphatic C16-C21	Aliphatic C16-C21	15.1	J	1	5.14	30.0	ug/l	FC066360.D
Aliphatic C21-C28	Aliphatic C21-C28	22.3	J	1	8.97	40.0	ug/l	FC066360.D
Aliphatic C28-C40	Aliphatic C28-C40	35.0	J	1	17.0	60.0	ug/l	FC066360.D
Total AliphaticEPH	Total AliphaticEPH	94.1	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	94.1	J		40.5	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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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
05/09/24 09:41	05/09/24 18:41	PB160814

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.2	J	1	5.76	30.0	ug/l	FC066360.D
Aliphatic C12-C16	Aliphatic C12-C16	9.51	J	1	3.61	20.0	ug/l	FC066360.D
Aliphatic C16-C21	Aliphatic C16-C21	15.1	J	1	5.14	30.0	ug/l	FC066360.D
Aliphatic C21-C28	Aliphatic C21-C28	22.3	J	1	8.97	40.0	ug/l	FC066360.D
Aliphatic C28-C40	Aliphatic C28-C40	35.0	J	1	17.0	60.0	ug/l	FC066360.D
Total AliphaticEPH	Total AliphaticEPH	94.1	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	94.1	J		40.5	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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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
05/09/24 09:41	05/09/24 18:41	PB160814

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	12.2	J	1	5.76	30.0	ug/l	FC066360.D
Aliphatic C12-C16	Aliphatic C12-C16	9.51	J	1	3.61	20.0	ug/l	FC066360.D
Aliphatic C16-C21	Aliphatic C16-C21	15.1	J	1	5.14	30.0	ug/l	FC066360.D
Aliphatic C21-C28	Aliphatic C21-C28	22.3	J	1	8.97	40.0	ug/l	FC066360.D
Aliphatic C28-C40	Aliphatic C28-C40	35.0	J	1	17.0	60.0	ug/l	FC066360.D
Total AliphaticEPH	Total AliphaticEPH	94.1	J		40.5	180	ug/l	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	ug/l	
Total EPH	Total EPH	94.1	J		40.5	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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	05/07/24
Project:	LOD-LOQ Study	Date Received:	05/07/24
Client Sample ID:	LOD-MDL-WATER-01-QT2-2024	SDG No.:	P2403
Lab Sample ID:	P2403-07	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		

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC066361.D	1	05/09/24	05/09/24	PB160814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	16.4	J	5.76	30.0	ug/l
Aliphatic C12-C16	Aliphatic C12-C16	12.8	J	3.61	20.0	ug/l
Aliphatic C16-C21	Aliphatic C16-C21	21.3	J	5.14	30.0	ug/l
Aliphatic C21-C28	Aliphatic C21-C28	30.4	J	8.97	40.0	ug/l
Aliphatic C28-C40	Aliphatic C28-C40	44.9	J	17.0	60.0	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P2403-07	Acq On:	09 May 2024 19:24
Client Sample ID:	LOD-MDL-WATER-01-QT	Operator:	YP/AJ
Data file:	FC066361.D	Misc:	4 PPM WATER LOD
Instrument:	FID_C	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.221	6.507	1251519	8.189	300	ug/ml
Aliphatic C12-C16	6.508	9.904	972090	6.39	200	ug/ml
Aliphatic C16-C21	9.905	13.269	1548250	10.648	300	ug/ml
Aliphatic C21-C28	13.270	16.930	2092393	15.176	400	ug/ml
Aliphatic C28-C40	16.931	21.821	2661951	22.443	600	ug/ml
Aliphatic EPH	3.221	21.821	8526203	62.847		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.003	13.003	5367681	43.76		ug/ml
Aliphatic C9-C28	3.221	16.930	5864252	40.403	1200	ug/ml