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

DATA PACKAGE

VOLATILE ORGANICS
GC SEMI-VOLATILES

PROJECT NAME : 1454 TO 1460 HADDON AVENUE, CAMDEN, NJ

JPCL ENGINEERING

41-14 29th Street

Long Island City, NY - 11101

Phone No: 917-985-0770

ORDER ID : P5194

ATTENTION : Paul Rotondi

Laboratory Certification ID # 20012

Table Of Contents for P5194

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Cover Page

Order ID : P5194

Project ID : 1454 to 1460 Haddon Avenue, Camden, NJ

Client : JPCL Engineering

Lab Sample Number	Client Sample Number
P5194-01	UST-1
P5194-02	UST-2
P5194-03	WP-1
P5194-04	WP-2
P5194-05	WP-3
P5194-06	WP-4

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED *By Nimisha Pandya, QA/QC Supervisor at 2:58 pm, Dec 13, 2024* Date: 12/13/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JPCL Engineering
Project Name: 1454 to 1460 Haddon Avenue, Camden, NJ
Project # N/A
Chemtech Project # P5194
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 12/06/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID VY020560.D met the requirements except for Acetone is failing high and associate sample having hit of acetone but below CRQL therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

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The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 2:58 pm, Dec 13, 2024

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CASE NARRATIVE

JPCL Engineering
Project Name: 1454 to 1460 Haddon Avenue, Camden, NJ
Project # N/A
Chemtech Project # P5194
Test Name: Diesel Range Organics

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 12/06/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH and VOC-TCLVOA-10. This data package contains results for Diesel Range Organics.

C. Analytical Techniques:
The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.The analysis of Diesel Range Organics was based on method 8015D and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for UST-1 [Tetracosane-d50 - 29%]but this sample was required dilution as well due to high concentration, therefore no further corrective action taken.

The Retention Times were acceptable for all samples.

The MS {P5194-02MS} with File ID: FG014973.D recoveries met the requirements for all compounds except for DRO[1056%] due to sample matrix interference.

The MSD {P5194-02MSD} with File ID: FG014974.D recoveries met the acceptable requirements except for DRO[1358%] due to sample matrix interference.

The RPD for {P5194-02MSD} with File ID: FG014974.D met criteria except for DRO[25%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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Samples UST-1, UST-2 was diluted due to bad matrix.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature 

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CASE NARRATIVE

JPCL Engineering
Project Name: 1454 to 1460 Haddon Avenue, Camden, NJ
Project # N/A
Chemtech Project # P5194
Test Name: EPH

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 12/06/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, EPH and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:
The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224.The analysis of EPHs was based on method NJEPH and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.

The MS {P5194-01MS} with File ID: FC067989.D recoveries met the requirements for all compounds except for Aliphatic C16-C21[29%], Aliphatic C28-C40[157%]due to matrix interference.

The MSD {P5194-01MSD} with File ID: FC067990.D recoveries met the acceptable requirements except for Aliphatic C16-C21[26%], Aliphatic C28-C40[185%] due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 2:59 pm, Dec 13, 2024

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5194**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **12/13/2024**

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Hit Summary Sheet
SW-846

SDG No.: P5194

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WP-2**							
P5194-04	WP-2	SOIL	Acetone	17.3	J	7.40	29.5	ug/Kg
			Total Voc :	17.3				
			Total Concentration:	17.3				

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.50	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	5.50	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.5	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.50	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.50	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	11.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.92	U	0.92	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	5.50	ug/Kg
110-82-7	Cyclohexane	0.76	U	0.76	5.50	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	27.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.96	U	0.96	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	5.50	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.50	ug/Kg
67-66-3	Chloroform	0.74	U	0.74	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	5.50	ug/Kg
108-87-2	Methylcyclohexane	0.96	U	0.96	5.50	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.67	U	0.67	5.50	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.5	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.50	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.5	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.87	U	0.87	5.50	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	5.50	ug/Kg
108-90-7	Chlorobenzene	0.81	U	0.81	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.0	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	5.50	ug/Kg
100-42-5	Styrene	0.66	U	0.66	5.50	ug/Kg
75-25-2	Bromoform	0.89	U	0.89	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.88	U	0.88	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.65	U	0.65	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.87	U	0.87	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.86	U	0.86	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.3		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	50.8		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97200	7.707			
540-36-3	1,4-Difluorobenzene	167000	8.615			
3114-55-4	Chlorobenzene-d5	147000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	59500	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-1	SDG No.:	P5194
Lab Sample ID:	P5194-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.67 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020575.D	1		12/10/24 17:43	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.90	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.90	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	5.90	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.90	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	5.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	5.90	ug/Kg
67-64-1	Acetone	17.3	J	7.40	29.5	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.90	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.90	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.99	U	0.99	5.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.74	U	0.74	5.90	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.90	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	29.5	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	5.90	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	5.90	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	5.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.90	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.90	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	5.90	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	5.90	ug/Kg
75-27-4	Bromodichloromethane	0.66	U	0.66	5.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	29.5	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.90	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.71	U	0.71	5.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.90	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.5	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	5.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.93	U	0.93	5.90	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.90	ug/Kg
108-90-7	Chlorobenzene	0.87	U	0.87	5.90	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	5.90	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.8	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.90	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.90	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.90	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.87	U	0.87	5.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.94	U	0.94	5.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.70	U	0.70	5.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.93	U	0.93	5.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.92	U	0.92	5.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	50.8		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	155000	7.707			
540-36-3	1,4-Difluorobenzene	268000	8.61			
3114-55-4	Chlorobenzene-d5	231000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	95000	13.347			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-2	SDG No.:	P5194
Lab Sample ID:	P5194-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.3
Sample Wt/Vol:	4.5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020576.D	1		12/10/24 18:06	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.60	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.60	ug/Kg
75-01-4	Vinyl Chloride	0.86	U	0.86	5.60	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.60	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.60	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	5.60	ug/Kg
67-64-1	Acetone	6.90	U	6.90	27.8	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.75	U	0.75	5.60	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.60	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.70	U	0.70	5.60	ug/Kg
110-82-7	Cyclohexane	0.77	U	0.77	5.60	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	27.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	5.60	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.60	ug/Kg
67-66-3	Chloroform	0.75	U	0.75	5.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	5.60	ug/Kg
108-87-2	Methylcyclohexane	0.97	U	0.97	5.60	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	5.60	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	5.60	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	5.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.80	U	4.80	27.8	ug/Kg
108-88-3	Toluene	0.75	U	0.75	5.60	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.67	U	0.67	5.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.93	U	0.93	5.60	ug/Kg
591-78-6	2-Hexanone	5.30	U	5.30	27.8	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	5.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.60	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	5.60	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	5.60	ug/Kg
100-41-4	Ethyl Benzene	0.69	U	0.69	5.60	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.1	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	5.60	ug/Kg
100-42-5	Styrene	0.67	U	0.67	5.60	ug/Kg
75-25-2	Bromoform	0.90	U	0.90	5.60	ug/Kg
98-82-8	Isopropylbenzene	0.75	U	0.75	5.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.82	U	0.82	5.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.89	U	0.89	5.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.66	U	0.66	5.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.88	U	0.88	5.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.87	U	0.87	5.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		50 - 163	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	7.707			
540-36-3	1,4-Difluorobenzene	255000	8.61			
3114-55-4	Chlorobenzene-d5	224000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	90600	13.347			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-3	SDG No.:	P5194
Lab Sample ID:	P5194-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	89
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020577.D	1		12/10/24 18:30	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.88	U	0.88	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	5.70	ug/Kg
67-64-1	Acetone	7.10	U	7.10	28.5	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.70	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.70	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.96	U	0.96	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	5.70	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.70	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	28.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.69	U	0.69	5.70	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.70	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	5.70	ug/Kg
108-87-2	Methylcyclohexane	0.99	U	0.99	5.70	ug/Kg
71-43-2	Benzene	0.82	U	0.82	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	5.70	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.00	U	5.00	28.5	ug/Kg
108-88-3	Toluene	0.76	U	0.76	5.70	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.70	ug/Kg
591-78-6	2-Hexanone	5.50	U	5.50	28.5	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.70	ug/Kg
108-90-7	Chlorobenzene	0.84	U	0.84	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.4	ug/Kg
95-47-6	o-Xylene	0.80	U	0.80	5.70	ug/Kg
100-42-5	Styrene	0.68	U	0.68	5.70	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.84	U	0.84	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.91	U	0.91	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.90	U	0.90	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.89	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		50 - 163	112%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		54 - 147	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		29 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	7.707			
540-36-3	1,4-Difluorobenzene	263000	8.61			
3114-55-4	Chlorobenzene-d5	223000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	90400	13.347			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	WP-4	SDG No.:	P5194
Lab Sample ID:	P5194-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.4
Sample Wt/Vol:	4.51 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020574.D	1		12/10/24 17:20	VY121024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
M = MS/MSD acceptance 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
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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LAB CHRONICLE

OrderID:	P5194	**OrderDate:**	12/6/2024 3:08:24 PM
Client:	JPCL Engineering	**Project:**	1454 to 1460 Haddon Avenue, Camden, NJ
Contact:	Paul Rotondi	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5194-03	**WP-1**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	
P5194-04	**WP-2**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	
P5194-05	**WP-3**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	
P5194-06	**WP-4**	**SOIL**			**12/05/24**			**12/06/24**
			VOC-TCLVOA-10	8260D			12/10/24	

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-1	SDG No.:	P5194
Lab Sample ID:	P5194-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	88.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG014965.D	10	12/11/24 09:15	12/11/24 12:22	PB165556

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	125000		2090	18900	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	0.58	*	37 - 130	29%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance 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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-2	SDG No.:	P5194
Lab Sample ID:	P5194-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	91.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG014966.D	10	12/11/24 09:15	12/11/24 12:50	PB165556

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	294000		2030	18300	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	1.38		37 - 130	69%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance 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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	P5194	**OrderDate:**	12/6/2024 3:08:24 PM
Client:	JPCL Engineering	**Project:**	1454 to 1460 Haddon Avenue, Camden, NJ
Contact:	Paul Rotondi	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5194-01	**UST-1**	**SOIL**			**12/05/24**			**12/06/24**
			Diesel Range Organics	8015D		12/11/24	12/11/24	
			EPH	NJEPH		12/11/24	12/11/24	
P5194-02	**UST-2**	**SOIL**			**12/05/24**			**12/06/24**
			Diesel Range Organics	8015D		12/11/24	12/11/24	
			EPH	NJEPH		12/11/24	12/12/24	

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-1	SDG No.:	P5194
Lab Sample ID:	P5194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/11/24 09:12	12/11/24 21:57	PB165557

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.43	U	1	0.43	1.13	mg/kg	FC067987.D
Aliphatic C12-C16	Aliphatic C12-C16	0.37	J	1	0.27	0.75	mg/kg	FC067987.D
Aliphatic C16-C21	Aliphatic C16-C21	8.48		1	0.34	1.13	mg/kg	FC067987.D
Aliphatic C21-C28	Aliphatic C21-C28	3.37		1	0.91	1.51	mg/kg	FC067987.D
Aliphatic C28-C40	Aliphatic C28-C40	17.2		1	2.04	2.26	mg/kg	FC067987.D
Aromatic C10-C12	Aromatic C10-C12	0.34	U	1	0.34	0.75	mg/kg	FD048876.D
Aromatic C12-C16	Aromatic C12-C16	0.39	U	1	0.39	1.13	mg/kg	FD048876.D
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1	1.09	1.89	mg/kg	FD048876.D
Aromatic C21-C36	Aromatic C21-C36	4.04		1	2.26	3.02	mg/kg	FD048876.D
Total AliphaticEPH	Total AliphaticEPH	29.4			3.99	6.78	mg/kg	
Total AromaticEPH	Total AromaticEPH	5.28	J		4.08	6.79	mg/kg	
Total EPH	Total EPH	34.7			8.06	13.6	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-1	SDG No.:	P5194
Lab Sample ID:	P5194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067987.D	1	12/11/24	12/11/24	PB165557

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.43	U	0.43	1.13	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.37	J	0.27	0.75	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		8.48		0.34	1.13	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		3.37		0.91	1.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		17.2		2.04	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		63.2		40 - 140	126%	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:	P5194-01	Acq On:	11 Dec 2024 21:57
Client Sample ID:	UST-1	Operator:	YP/AJ
Data file:	FC067987.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	3.151	6.428	369547	2.334	300	ug/ml
Aliphatic C12-C16	6.429	9.820	795444	4.963	200	ug/ml
Aliphatic C16-C21	9.821	13.180	17133674	112.453	300	ug/ml
Aliphatic C21-C28	13.181	16.836	6090451	44.657	400	ug/ml
Aliphatic C28-C40	16.837	21.674	24207343	228.447	600	ug/ml
Aliphatic EPH	3.151	21.674	48596459	392.855		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.915	12.915	8067094	63.22		ug/ml
Aliphatic C9-C28	3.151	16.836	24389116	164.407	1200	ug/ml

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-1	SDG No.:	P5194
Lab Sample ID:	P5194-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048876.D	1	12/11/24	12/11/24	PB165557

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.34	U	0.34	0.75	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.39	U	0.39	1.13	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1.09	1.89	mg/kg
Aromatic C21-C36	Aromatic C21-C36	4.04		2.26	3.02	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	46.7		40 - 140	93%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.2		40 - 140	48%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5194-01	Acq On:	11 Dec 2024 21:57
Client Sample ID:	UST-1	Operator:	YP/AJ
Data file:	FD048876.D	Misc:	
Instrument:	FID_D	ALS Vial:	64
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.086	5.804	574566	3.021	200	ug/ml
Aromatic C12-C16	5.805	8.409	801429	4.311	300	ug/ml
Aromatic C16-C21	8.410	12.673	2778914	16.393	500	ug/ml
Aromatic C21-C36	12.674	18.083	7581988	53.549	800	ug/ml
Aromatic EPH	4.086	18.083	11736897	77.274		ug/ml
ortho-Terphenyl (SURR)	11.248	11.248	4298913	24.2		ug/ml
2-Bromonaphthalene (SURR)	7.364	7.364	7866656	46.7		ug/ml
2-Flurobiphenyl (SURR)	8.213	8.213	5059178	48.97		ug/ml

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-2	SDG No.:	P5194
Lab Sample ID:	P5194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
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
12/11/24 09:12	12/12/24 0:21	PB165557

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.45	J	1	0.42	1.09	mg/kg	FC067991.D
Aliphatic C12-C16	Aliphatic C12-C16	0.73		1	0.26	0.73	mg/kg	FC067991.D
Aliphatic C16-C21	Aliphatic C16-C21	8.59		1	0.33	1.09	mg/kg	FC067991.D
Aliphatic C21-C28	Aliphatic C21-C28	5.26		1	0.88	1.46	mg/kg	FC067991.D
Aliphatic C28-C40	Aliphatic C28-C40	42.4		1	1.97	2.19	mg/kg	FC067991.D
Aromatic C10-C12	Aromatic C10-C12	0.33	U	1	0.33	0.73	mg/kg	FD048880.D
Aromatic C12-C16	Aromatic C12-C16	0.37	U	1	0.37	1.09	mg/kg	FD048880.D
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1	1.05	1.82	mg/kg	FD048880.D
Aromatic C21-C36	Aromatic C21-C36	5.37		1	2.19	2.92	mg/kg	FD048880.D
Total AliphaticEPH	Total AliphaticEPH	57.4			3.85	6.56	mg/kg	
Total AromaticEPH	Total AromaticEPH	6.61			3.94	6.56	mg/kg	
Total EPH	Total EPH	64.0			7.79	13.1	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-2	SDG No.:	P5194
Lab Sample ID:	P5194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067991.D	1	12/11/24	12/12/24	PB165557

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.45	J	0.42	1.09	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.73		0.26	0.73	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.59		0.33	1.09	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	5.26		0.88	1.46	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	42.4		1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.5		40 - 140	91%	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:	P5194-02	Acq On:	12 Dec 2024 00:21
Client Sample ID:	UST-2	Operator:	YP/AJ
Data file:	FC067991.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.428	982183	6.204	300	ug/ml
Aliphatic C12-C16	6.429	9.820	1612440	10.06	200	ug/ml
Aliphatic C16-C21	9.821	13.180	17935838	117.718	300	ug/ml
Aliphatic C21-C28	13.181	16.836	9837034	72.127	400	ug/ml
Aliphatic C28-C40	16.837	21.674	61578956	581.127	600	ug/ml
Aliphatic EPH	3.151	21.674	91946451	787.238		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.915	12.915	5811393	45.55		ug/ml
Aliphatic C9-C28	3.151	16.836	30367495	206.109	1200	ug/ml

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	12/05/24
Project:	1454 to 1460 Haddon Avenue, Camden, NJ	Date Received:	12/06/24
Client Sample ID:	UST-2	SDG No.:	P5194
Lab Sample ID:	P5194-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FD048880.D	1	12/11/24	12/12/24	PB165557

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.33	U	0.33	0.73	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.37	U	0.37	1.09	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.24	J	1.05	1.82	mg/kg
Aromatic C21-C36	Aromatic C21-C36	5.37		2.19	2.92	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	55.9		40 - 140	112%	SPK: 50
321-60-8	2-Flurobiphenyl (SURR)	59.1		40 - 140	118%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.8		40 - 140	58%	SPK: 50

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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	P5194-02	Acq On:	12 Dec 2024 00:21
Client Sample ID:	UST-2	Operator:	YP/AJ
Data file:	FD048880.D	Misc:	
Instrument:	FID_D	ALS Vial:	68
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.086	5.804	595027	3.128	200	ug/ml
Aromatic C12-C16	5.805	8.409	946315	5.091	300	ug/ml
Aromatic C16-C21	8.410	12.673	2872448	16.945	500	ug/ml
Aromatic C21-C36	12.674	18.083	10434782	73.698	800	ug/ml
Aromatic EPH	4.086	18.083	14848572	98.862		ug/ml
ortho-Terphenyl (SURR)	11.250	11.250	5108635	28.75		ug/ml
2-Bromonaphthalene (SURR)	7.365	7.365	9421246	55.93		ug/ml
2-Flurobiphenyl (SURR)	8.215	8.215	6110604	59.15		ug/ml

Alliance TECHNICAL GROUP
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LAB CHRONICLE

OrderID:	P5194	**OrderDate:**	12/6/2024 3:08:24 PM
Client:	JPCL Engineering	**Project:**	1454 to 1460 Haddon Avenue, Camden, NJ
Contact:	Paul Rotondi	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5194-01	**UST-1**	**SOIL**			**12/05/24**			**12/06/24**
			Diesel Range Organics	8015D		12/11/24	12/11/24	
			EPH	NJEPH		12/11/24	12/11/24	
P5194-02	**UST-2**	**SOIL**			**12/05/24**			**12/06/24**
			Diesel Range Organics	8015D		12/11/24	12/11/24	
			EPH	NJEPH		12/11/24	12/12/24	

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P5194
QUOTE NO.
COC Number 2041877

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: JPCL Engineering, LLC
ADDRESS: 2 Cleuco Ln, Bldg 1
CITY Hillsborough STATE: NJ ZIP: 08844
ATTENTION: Paul Rotondi
PHONE: 609 203-3846 FAX: 609 460-4355

CLIENT PROJECT INFORMATION

PROJECT NAME: 1454-1460 Haddon Ave
PROJECT NO.: LOCATION: Camden, NJ
PROJECT MANAGER: P. Rotondi
e-mail: protondi@JPCLengineering.com
PHONE: 609 203-3846 FAX:

CLIENT BILLING INFORMATION

BILL TO: See Client PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- [X] Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other

ANALYSIS

1. EPH/DRO
2. VOC+10
3.
4.
5.
6.
7.
8.
9.

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	UST-1	Soil		X	12/5	11:02	2	2									
2.	UST-2	Soil		X	12/5	11:02	2	2									
3.	WP-1	Soil		X	12/5	9:44	3		3								
4.	WP-2	Soil		X	↓	10:57	3		3								
5.	WP-3	Soil		X	↓	11:11	3		3								
6.	WP-4	Soil		X	↓	11:31	3		3								
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — ← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	12/6/12:02R	1. [signature]
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C

Comments: 5-DAY TAT PLEASE IR Gun #1

Page 1 of 1

CLIENT: [X] Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5194 JPCL01
Client Name : JPCL Engineering
Client Contact : Paul Rotondi
Invoice Name : JPCL Engineering
Invoice Contact : Paul Rotondi

Order Date : 12/6/2024 3:08:24 PM
Project Name : 1454 to 1460 Haddon Aven
Receive DateTime : 12/6/2024 1:00:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : ~~NJ Reduced~~ Level 1
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 12/6/2024 4:13:46 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5194-03	WP-1	Solid	12/05/2024	09:44					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P5194-04	WP-2	Solid	12/05/2024	10:37					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P5194-05	WP-3	Solid	12/05/2024	11:11					
					VOC-TCLVOA-10		8260D		5 Bus. Days
P5194-06	WP-4	Solid	12/05/2024	11:31					
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By :
Date / Time : 12-10-24 14:48

Received By :
Date / Time : 12.10.24 14:48

Storage Area : VOA Refridgerator Room