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

LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/02/25	
Q2473-04RE	**PIT#4RE**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCL	8260D			07/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2473

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PIT#1**							
Q2473-01	PIT#1	SOIL	Acetone	9.00	J	5.20	27.6	ug/Kg
			Total Voc :	9.00				
			Total Concentration:	9.00				
Client ID:	**PIT#2**							
Q2473-02	PIT#2	SOIL	Acetone	4.10	J	3.10	16.4	ug/Kg
			Total Voc :	4.10				
			Total Concentration:	4.10				
Client ID:	**PIT#4**							
Q2473-04	PIT#4	SOIL	Acetone	39.8		2.40	12.9	ug/Kg
Q2473-04	PIT#4	SOIL	2-Butanone	4.50	J	3.40	12.9	ug/Kg
			Total Voc :	44.3				
			Total Concentration:	44.3				
Client ID:	**PIT#4RE**							
Q2473-04RE	PIT#4RE	SOIL	Acetone	39.2		3.60	19.0	ug/Kg
			Total Voc :	39.2				
			Total Concentration:	39.2				

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022917.D	1	07/02/25 17:07	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	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	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	9.00	J	5.20	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.80	U	0.80	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	27.6	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022917.D	1	07/02/25 17:07	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.68	U	0.68	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	27.6	ug/Kg
124-48-1	Dibromochloromethane	0.96	U	0.96	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.0	ug/Kg
95-47-6	o-Xylene	0.90	U	0.90	5.50	ug/Kg
100-42-5	Styrene	0.78	U	0.78	5.50	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.9		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	279000	7.707			
540-36-3	1,4-Difluorobenzene	535000	8.615			
3114-55-4	Chlorobenzene-d5	530000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	216000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022917.D	1	07/02/25 17:07	VY070225

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.1
Sample Wt/Vol:	8.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022918.D	1	07/02/25 17:30	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.75	U	0.75	3.30	ug/Kg
74-87-3	Chloromethane	0.75	U	0.75	3.30	ug/Kg
75-01-4	Vinyl Chloride	0.52	U	0.52	3.30	ug/Kg
74-83-9	Bromomethane	0.70	U	0.70	3.30	ug/Kg
75-00-3	Chloroethane	0.83	U	0.83	3.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.79	U	0.79	3.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.69	U	0.69	3.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.66	U	0.66	3.30	ug/Kg
67-64-1	Acetone	4.10	J	3.10	16.4	ug/Kg
75-15-0	Carbon Disulfide	0.69	U	0.69	3.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.48	U	0.48	3.30	ug/Kg
79-20-9	Methyl Acetate	1.00	U	1.00	3.30	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.56	U	0.56	3.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	3.30	ug/Kg
110-82-7	Cyclohexane	0.52	U	0.52	3.30	ug/Kg
78-93-3	2-Butanone	4.30	U	4.30	16.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.64	U	0.64	3.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	3.30	ug/Kg
74-97-5	Bromochloromethane	0.75	U	0.75	3.30	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	3.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.61	U	0.61	3.30	ug/Kg
108-87-2	Methylcyclohexane	0.60	U	0.60	3.30	ug/Kg
71-43-2	Benzene	0.52	U	0.52	3.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.52	U	0.52	3.30	ug/Kg
79-01-6	Trichloroethene	0.53	U	0.53	3.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.60	U	0.60	3.30	ug/Kg
75-27-4	Bromodichloromethane	0.51	U	0.51	3.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.30	U	2.30	16.4	ug/Kg
108-88-3	Toluene	0.51	U	0.51	3.30	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.1
Sample Wt/Vol:	8.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022918.D	1	07/02/25 17:30	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.43	U	0.43	3.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.41	U	0.41	3.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.60	U	0.60	3.30	ug/Kg
591-78-6	2-Hexanone	2.40	U	2.40	16.4	ug/Kg
124-48-1	Dibromochloromethane	0.57	U	0.57	3.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.58	U	0.58	3.30	ug/Kg
127-18-4	Tetrachloroethene	0.69	U	0.69	3.30	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	3.30	ug/Kg
100-41-4	Ethyl Benzene	0.44	U	0.44	3.30	ug/Kg
179601-23-1	m/p-Xylenes	0.81	U	0.81	6.60	ug/Kg
95-47-6	o-Xylene	0.54	U	0.54	3.30	ug/Kg
100-42-5	Styrene	0.47	U	0.47	3.30	ug/Kg
75-25-2	Bromoform	0.56	U	0.56	3.30	ug/Kg
98-82-8	Isopropylbenzene	0.51	U	0.51	3.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.79	U	0.79	3.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.10	U	1.10	3.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.00	U	1.00	3.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.95	U	0.95	3.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.90	U	1.90	3.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.10	U	2.10	3.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	35.7		70 - 134	71%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		17 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.707			
540-36-3	1,4-Difluorobenzene	579000	8.616			
3114-55-4	Chlorobenzene-d5	556000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	220000	13.347			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.1
Sample Wt/Vol:	8.47 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022918.D	1	07/02/25 17:30	VY070225

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	7.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022919.D	1	07/02/25 17:53	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	3.70	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.5	ug/Kg
75-15-0	Carbon Disulfide	0.78	U	0.78	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.5	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	7.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022919.D	1	07/02/25 17:53	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.5	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	35.9		63 - 155	72%	SPK: 50
1868-53-7	Dibromofluoromethane	38.2		70 - 134	76%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		17 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	310000	7.707			
540-36-3	1,4-Difluorobenzene	552000	8.616			
3114-55-4	Chlorobenzene-d5	476000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	7.64 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022919.D	1	07/02/25 17:53	VY070225

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	10.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022920.D	1	07/02/25 18:17	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.59	U	0.59	2.60	ug/Kg
74-87-3	Chloromethane	0.59	U	0.59	2.60	ug/Kg
75-01-4	Vinyl Chloride	0.41	U	0.41	2.60	ug/Kg
74-83-9	Bromomethane	0.55	U	0.55	2.60	ug/Kg
75-00-3	Chloroethane	0.65	U	0.65	2.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	2.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.55	U	0.55	2.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.51	U	0.51	2.60	ug/Kg
67-64-1	Acetone	39.8		2.40	12.9	ug/Kg
75-15-0	Carbon Disulfide	0.55	U	0.55	2.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.38	U	0.38	2.60	ug/Kg
79-20-9	Methyl Acetate	0.79	U	0.79	2.60	ug/Kg
75-09-2	Methylene Chloride	1.80	U	1.80	5.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.44	U	0.44	2.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.41	U	0.41	2.60	ug/Kg
110-82-7	Cyclohexane	0.41	U	0.41	2.60	ug/Kg
78-93-3	2-Butanone	4.50	J	3.40	12.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.50	U	0.50	2.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.39	U	0.39	2.60	ug/Kg
74-97-5	Bromochloromethane	0.59	U	0.59	2.60	ug/Kg
67-66-3	Chloroform	0.43	U	0.43	2.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.48	U	0.48	2.60	ug/Kg
108-87-2	Methylcyclohexane	0.47	U	0.47	2.60	ug/Kg
71-43-2	Benzene	0.41	U	0.41	2.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.41	U	0.41	2.60	ug/Kg
79-01-6	Trichloroethene	0.42	U	0.42	2.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.47	U	0.47	2.60	ug/Kg
75-27-4	Bromodichloromethane	0.40	U	0.40	2.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.80	U	1.80	12.9	ug/Kg
108-88-3	Toluene	0.40	U	0.40	2.60	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	10.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022920.D	1	07/02/25 18:17	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.33	U	0.33	2.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.32	U	0.32	2.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.47	U	0.47	2.60	ug/Kg
591-78-6	2-Hexanone	1.90	U	1.90	12.9	ug/Kg
124-48-1	Dibromochloromethane	0.45	U	0.45	2.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.45	U	0.45	2.60	ug/Kg
127-18-4	Tetrachloroethene	0.54	U	0.54	2.60	ug/Kg
108-90-7	Chlorobenzene	0.47	U	0.47	2.60	ug/Kg
100-41-4	Ethyl Benzene	0.34	U	0.34	2.60	ug/Kg
179601-23-1	m/p-Xylenes	0.64	U	0.64	5.10	ug/Kg
95-47-6	o-Xylene	0.42	U	0.42	2.60	ug/Kg
100-42-5	Styrene	0.37	U	0.37	2.60	ug/Kg
75-25-2	Bromoform	0.44	U	0.44	2.60	ug/Kg
98-82-8	Isopropylbenzene	0.40	U	0.40	2.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.62	U	0.62	2.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	2.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	2.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.75	U	0.75	2.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.95	U	0.95	2.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.50	U	1.50	2.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.60	U	1.60	2.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.1		63 - 155	120%	SPK: 50
1868-53-7	Dibromofluoromethane	30.3	*	70 - 134	61%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.4		17 - 146	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	269000	7.707			
540-36-3	1,4-Difluorobenzene	521000	8.616			
3114-55-4	Chlorobenzene-d5	540000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	245000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	10.71 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022920.D	1	07/02/25 18:17	VY070225

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4RE	SDG No.:	Q2473
Lab Sample ID:	Q2473-04RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	7.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022936.D	1	07/03/25 12:39	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.86	U	0.86	3.80	ug/Kg
74-87-3	Chloromethane	0.86	U	0.86	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.81	U	0.81	3.80	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.92	U	0.92	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	3.80	ug/Kg
67-64-1	Acetone	39.2		3.60	19.0	ug/Kg
75-15-0	Carbon Disulfide	0.80	U	0.80	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.65	U	0.65	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	19.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.87	U	0.87	3.80	ug/Kg
67-66-3	Chloroform	0.64	U	0.64	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.80	ug/Kg
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	19.0	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4RE	SDG No.:	Q2473
Lab Sample ID:	Q2473-04RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	7.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022936.D	1	07/03/25 12:39	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	19.0	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.80	U	0.80	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.94	7.60	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.54	U	0.54	3.80	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	31.1	*	70 - 134	62%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		17 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	95600	7.707			
540-36-3	1,4-Difluorobenzene	165000	8.616			
3114-55-4	Chlorobenzene-d5	149000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	56100	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4RE	SDG No.:	Q2473
Lab Sample ID:	Q2473-04RE	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.7
Sample Wt/Vol:	7.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022936.D	1	07/03/25 12:39	VY070325

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2473-01	PIT#1	1,2-Dichloroethane-d4	50	54.9	110		63	155
		Dibromofluoromethane	50	48.0	96		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	53.6	107		17	146
Q2473-02	PIT#2	1,2-Dichloroethane-d4	50	54.2	108		63	155
		Dibromofluoromethane	50	35.7	71		70	134
		Toluene-d8	50	50.8	102		74	123
		4-Bromofluorobenzene	50	51.9	104		17	146
Q2473-03	PIT#3	1,2-Dichloroethane-d4	50	35.9	72		63	155
		Dibromofluoromethane	50	38.3	76		70	134
		Toluene-d8	50	49.6	99		74	123
		4-Bromofluorobenzene	50	44.6	89		17	146
Q2473-04	PIT#4	1,2-Dichloroethane-d4	50	60.1	120		63	155
		Dibromofluoromethane	50	30.3	61	*	70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	59.4	119		17	146
Q2473-04RE	PIT#4RE	1,2-Dichloroethane-d4	50	48.8	98		63	155
		Dibromofluoromethane	50	31.1	62	*	70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	46.3	93		17	146
VY0702SBL01	VY0702SBL01	1,2-Dichloroethane-d4	50	49.3	99		63	155
		Dibromofluoromethane	50	50.9	102		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	55.3	111		17	146
VY0702SBS01	VY0702SBS01	1,2-Dichloroethane-d4	50	49.8	100		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	51.9	104		74	123
		4-Bromofluorobenzene	50	48.9	98		17	146
VY0702SBSD01	VY0702SBSD01	1,2-Dichloroethane-d4	50	48.9	98		63	155
		Dibromofluoromethane	50	49.5	99		70	134
		Toluene-d8	50	49.2	98		74	123
		4-Bromofluorobenzene	50	47.2	94		17	146
VY0703SBL01	VY0703SBL01	1,2-Dichloroethane-d4	50	52.7	105		63	155
		Dibromofluoromethane	50	52.7	105		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	55.3	111		17	146
VY0703SBS01	VY0703SBS01	1,2-Dichloroethane-d4	50	48.4	97		63	155
		Dibromofluoromethane	50	50.6	101		70	134
		Toluene-d8	50	51.1	102		74	123
		4-Bromofluorobenzene	50	47.0	94		17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022905.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	22.7	ug/Kg	114			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	21.9	ug/Kg	110			58	141	
	Chloroethane	20	21.3	ug/Kg	106			69	130	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.7	ug/Kg	104			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	20.6	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			77	129	
	Methyl Acetate	20	17.0	ug/Kg	85			69	149	
	Methylene Chloride	20	22.0	ug/Kg	110			72	131	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	21.0	ug/Kg	105			82	123	
	Cyclohexane	20	21.2	ug/Kg	106			76	122	
	2-Butanone	100	97.2	ug/Kg	97			69	131	
	Carbon Tetrachloride	20	20.5	ug/Kg	103			76	129	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			82	123	
	Bromochloromethane	20	20.2	ug/Kg	101			80	127	
	Chloroform	20	20.7	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			80	126	
	Methylcyclohexane	20	20.6	ug/Kg	103			77	123	
	Benzene	20	20.6	ug/Kg	103			84	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			81	126	
	Trichloroethene	20	19.9	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.8	ug/Kg	104			83	122	
	Bromodichloromethane	20	19.8	ug/Kg	99			82	123	
	4-Methyl-2-Pentanone	100	89.3	ug/Kg	89			70	135	
	Toluene	20	20.1	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97			78	124	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	19.2	ug/Kg	96			82	125	
	2-Hexanone	100	90.1	ug/Kg	90			66	138	
	Dibromochloromethane	20	18.8	ug/Kg	94			79	125	
	1,2-Dibromoethane	20	18.3	ug/Kg	92			80	125	
	Tetrachloroethene	20	19.7	ug/Kg	99			83	125	
	Chlorobenzene	20	20.4	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.6	ug/Kg	103			82	124	
	m/p-Xylenes	40	40.6	ug/Kg	102			83	124	
	o-Xylene	20	20.0	ug/Kg	100			83	123	
	Styrene	20	19.7	ug/Kg	99			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.8	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.4	ug/Kg	102			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022905.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBS01	1,2-Dibromo-3-Chloropropane	20	18.3	ug/Kg	92			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	17.9	ug/Kg	90			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	4		64	136	20
	Chloromethane	20	20.5	ug/Kg	103	10		52	151	20
	Vinyl chloride	20	19.5	ug/Kg	98	3		56	148	20
	Bromomethane	20	21.3	ug/Kg	106	4		58	141	20
	Chloroethane	20	20.5	ug/Kg	103	3		69	130	20
	Trichlorofluoromethane	20	19.3	ug/Kg	97	0		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	2		81	123	20
	1,1-Dichloroethene	20	21.4	ug/Kg	107	3		79	121	20
	Acetone	100	120	ug/Kg	120	9		40	171	20
	Carbon disulfide	20	21.0	ug/Kg	105	2		59	130	20
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102	7		77	129	20
	Methyl Acetate	20	19.1	ug/Kg	96	12		69	149	20
	Methylene Chloride	20	24.1	ug/Kg	121	10		72	131	20
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	3		80	123	20
	1,1-Dichloroethane	20	22.0	ug/Kg	110	5		82	123	20
	Cyclohexane	20	21.9	ug/Kg	110	4		76	122	20
	2-Butanone	100	110	ug/Kg	110	13		69	131	20
	Carbon Tetrachloride	20	20.9	ug/Kg	104	1		76	129	20
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103	2		82	123	20
	Bromochloromethane	20	21.4	ug/Kg	107	6		80	127	20
	Chloroform	20	21.3	ug/Kg	106	2		82	125	20
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	4		80	126	20
	Methylcyclohexane	20	20.6	ug/Kg	103	0		77	123	20
	Benzene	20	21.2	ug/Kg	106	3		84	121	20
	1,2-Dichloroethane	20	20.8	ug/Kg	104	4		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	1,2-Dichloropropane	20	21.6	ug/Kg	108	4		83	122	20
	Bromodichloromethane	20	20.6	ug/Kg	103	4		82	123	20
	4-Methyl-2-Pentanone	100	97.1	ug/Kg	97	9		70	135	20
	Toluene	20	20.8	ug/Kg	104	3		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	4		78	124	20
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104	3		81	122	20
	1,1,2-Trichloroethane	20	19.9	ug/Kg	100	4		82	125	20
	2-Hexanone	100	98.9	ug/Kg	99	10		66	138	20
	Dibromochloromethane	20	20.1	ug/Kg	101	7		79	125	20
	1,2-Dibromoethane	20	19.2	ug/Kg	96	4		80	125	20
	Tetrachloroethene	20	20.3	ug/Kg	102	3		83	125	20
	Chlorobenzene	20	21.2	ug/Kg	106	4		84	122	20
	Ethyl Benzene	20	21.1	ug/Kg	106	3		82	124	20
	m/p-Xylenes	40	41.8	ug/Kg	104	2		83	124	20
	o-Xylene	20	20.9	ug/Kg	104	4		83	123	20
	Styrene	20	20.5	ug/Kg	103	4		82	124	20
	Bromoform	20	19.3	ug/Kg	97	5		75	127	20
	Isopropylbenzene	20	22.1	ug/Kg	111	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	21.4	ug/Kg	107	3		77	127	20
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106	4		83	122	20
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	2		84	121	20
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	3		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022906.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0702SBSD01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/Kg	97	5		66	134	20
	1,2,4-Trichlorobenzene	20	19.7	ug/Kg	99	7		78	127	20
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96	6		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0703SBS01	Dichlorodifluoromethane	20	21.3	ug/Kg	106			64	136	
	Chloromethane	20	20.1	ug/Kg	101			52	151	
	Vinyl chloride	20	20.1	ug/Kg	101			56	148	
	Bromomethane	20	19.6	ug/Kg	98			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	19.3	ug/Kg	97			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			81	123	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			79	121	
	Acetone	100	140	ug/Kg	140			40	171	
	Carbon disulfide	20	21.1	ug/Kg	106			59	130	
	Methyl tert-butyl Ether	20	18.3	ug/Kg	92			77	129	
	Methyl Acetate	20	16.2	ug/Kg	81			69	149	
	Methylene Chloride	20	24.0	ug/Kg	120			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			82	123	
	Cyclohexane	20	21.2	ug/Kg	106			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	20.3	ug/Kg	102			80	127	
	Chloroform	20	21.0	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	20.6	ug/Kg	103			77	123	
	Benzene	20	21.4	ug/Kg	107			84	121	
	1,2-Dichloroethane	20	20.6	ug/Kg	103			81	126	
	Trichloroethene	20	21.2	ug/Kg	106			83	122	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			83	122	
	Bromodichloromethane	20	20.4	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	88.7	ug/Kg	89			70	135	
	Toluene	20	20.6	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			78	124	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	19.4	ug/Kg	97			82	125	
	2-Hexanone	100	97.3	ug/Kg	97			66	138	
	Dibromochloromethane	20	19.1	ug/Kg	96			79	125	
	1,2-Dibromoethane	20	18.2	ug/Kg	91			80	125	
	Tetrachloroethene	20	22.3	ug/Kg	112			83	125	
	Chlorobenzene	20	20.9	ug/Kg	104			84	122	
	Ethyl Benzene	20	21.4	ug/Kg	107			82	124	
	m/p-Xylenes	40	42.4	ug/Kg	106			83	124	
	o-Xylene	20	20.1	ug/Kg	101			83	123	
	Styrene	20	20.2	ug/Kg	101			82	124	
	Bromoform	20	17.7	ug/Kg	89			75	127	
	Isopropylbenzene	20	21.8	ug/Kg	109			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			83	122	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			84	121	
	1,2-Dichlorobenzene	20	19.6	ug/Kg	98			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8260D

Client: JPCL Engineering **Datafile :** VY022931.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0703SBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/Kg	89			66	134	
	1,2,4-Trichlorobenzene	20	17.7	ug/Kg	89			78	127	
	1,2,3-Trichlorobenzene	20	16.9	ug/Kg	85			70	137	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0702SBL01

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022904.D Lab Sample ID: VY0702SBL01

Date Analyzed: 07/02/2025 Time Analyzed: 11:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0702SBS01	VY0702SBS01	VY022905.D	07/02/2025
VY0702SBSD01	VY0702SBSD01	VY022906.D	07/02/2025
PIT#1	Q2473-01	VY022917.D	07/02/2025
PIT#2	Q2473-02	VY022918.D	07/02/2025
PIT#3	Q2473-03	VY022919.D	07/02/2025
PIT#4	Q2473-04	VY022920.D	07/02/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0703SBL01

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022930.D | Lab Sample ID: VY0703SBL01

Date Analyzed: 07/03/2025 | Time Analyzed: 09:57

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0703SBS01	VY0703SBS01	VY022931.D	07/03/2025
PIT#4RE	Q2473-04RE	VY022936.D	07/03/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG NO.: Q2473
Lab File ID: VY022775.D
BFB Injection Date: 06/23/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 10:17
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022776.D	06/23/2025	13:38
VSTDICC010	VSTDICC010	VY022777.D	06/23/2025	14:00
VSTDICC020	VSTDICC020	VY022778.D	06/23/2025	14:23
VSTDICCC050	VSTDICCC050	VY022779.D	06/23/2025	14:46
VSTDICC100	VSTDICC100	VY022780.D	06/23/2025	15:08
VSTDICC150	VSTDICC150	VY022781.D	06/23/2025	15:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022902.D | BFB Injection Date: 07/02/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:51

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	55.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	83.6
175	5.0 - 9.0% of mass 174	6.1 (7.3) 1
176	95.0 - 101.0% of mass 174	81.3 (97.3) 1
177	5.0 - 9.0% of mass 176	5.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022903.D	07/02/2025	10:37
VY0702SBL01	VY0702SBL01	VY022904.D	07/02/2025	11:42
VY0702SBS01	VY0702SBS01	VY022905.D	07/02/2025	12:12
VY0702SBSD01	VY0702SBSD01	VY022906.D	07/02/2025	12:35
PIT#1	Q2473-01	VY022917.D	07/02/2025	17:07
PIT#2	Q2473-02	VY022918.D	07/02/2025	17:30
PIT#3	Q2473-03	VY022919.D	07/02/2025	17:53
PIT#4	Q2473-04	VY022920.D	07/02/2025	18:17

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: VY022928.D | BFB Injection Date: 07/03/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:03

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.1 (1.3) 1
174	50.0 - 100.0% of mass 95	85.2
175	5.0 - 9.0% of mass 174	6.3 (7.3) 1
176	95.0 - 101.0% of mass 174	81 (95.1) 1
177	5.0 - 9.0% of mass 176	5.3 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022929.D	07/03/2025	09:26
VY0703SBL01	VY0703SBL01	VY022930.D	07/03/2025	09:57
VY0703SBS01	VY0703SBS01	VY022931.D	07/03/2025	10:29
PIT#4RE	Q2473-04RE	VY022936.D	07/03/2025	12:39

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022903.D Date Analyzed: 07/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	453239	7.71	750175	8.62	644334	11.41
UPPER LIMIT	906478	8.213	1500350	9.116	1288670	11.914
LOWER LIMIT	226620	7.213	375088	8.116	322167	10.914
EPA SAMPLE NO.						
PIT#1	279065	7.71	534952	8.62	530195	11.41
PIT#2	300149	7.71	579446	8.62	556091	11.41
PIT#3	309766	7.71	551696	8.62	475549	11.41
PIT#4	269260	7.71	521273	8.62	540209	11.41
VY0702SBL01	327303	7.71	608180	8.62	599654	11.42
VY0702SBS01	424569	7.71	714057	8.62	598160	11.41
VY0702SBSD01	405936	7.71	690466	8.62	580305	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022903.D Date Analyzed: 07/02/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:37

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	321198	13.347				
UPPER LIMIT	642396	13.847				
LOWER LIMIT	160599	12.847				
EPA SAMPLE NO.						
PIT#1	216048	13.35				
PIT#2	220138	13.35				
PIT#3	181660	13.35				
PIT#4	244944	13.35				
VY0702SBL01	251367	13.35				
VY0702SBS01	274634	13.35				
VY0702SBSD01	268831	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022929.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	402903	7.71	653588	8.62	556811	11.41
UPPER LIMIT	805806	8.207	1307180	9.116	1113620	11.914
LOWER LIMIT	201452	7.207	326794	8.116	278406	10.914
EPA SAMPLE NO.						
PIT#4RE	95586 *	7.71	165245 *	8.62	149379 *	11.41
VY0703SBL01	297416	7.71	558302	8.62	553906	11.41
VY0703SBS01	387913	7.71	648160	8.62	537972	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: VY022929.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:26

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	273118		13.347				
UPPER LIMIT	546236		13.847				
LOWER LIMIT	136559		12.847				
EPA SAMPLE NO.							
PIT#4RE	56106	*	13.35				
VY0703SBL01	230762		13.35				
VY0703SBS01	252496		13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.713			
540-36-3	1,4-Difluorobenzene	608000	8.616			
3114-55-4	Chlorobenzene-d5	600000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022904.D	1	07/02/25 11:42	VY070225

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:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		17 - 146	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	297000	7.707			
540-36-3	1,4-Difluorobenzene	558000	8.615			
3114-55-4	Chlorobenzene-d5	554000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	231000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBL01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022930.D	1	07/03/25 09:57	VY070325

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:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.7		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	97.2		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	89.3		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.1		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	51.9		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	425000	7.707			
540-36-3	1,4-Difluorobenzene	714000	8.616			
3114-55-4	Chlorobenzene-d5	598000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	275000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022905.D	1	07/02/25 12:12	VY070225

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:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	16.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	88.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	97.3		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	17.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	16.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	388000	7.707			
540-36-3	1,4-Difluorobenzene	648000	8.616			
3114-55-4	Chlorobenzene-d5	538000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	252000	13.347			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0703SBS01	SDG No.:	Q2473
Lab Sample ID:	VY0703SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022931.D	1	07/03/25 10:29	VY070325

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:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBSD01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.5		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.4		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.0		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	21.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	21.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.1		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBSD01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		17 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	406000	7.713			
540-36-3	1,4-Difluorobenzene	690000	8.615			
3114-55-4	Chlorobenzene-d5	580000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	269000	13.346			

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	VY0702SBSD01	SDG No.:	Q2473
Lab Sample ID:	VY0702SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCL
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY022906.D	1	07/02/25 12:35	VY070225

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG No.: Q2473
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/02/2025 10:37
Lab File ID: VY022903.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.411		-3.97	20
Chloromethane	0.816	0.897	0.1	9.93	20
Vinyl Chloride	1.020	1.044		2.35	20
Bromomethane	0.802	0.808		0.75	20
Chloroethane	0.686	0.718		4.66	20
Trichlorofluoromethane	1.129	1.131		0.18	20
1,1,2-Trichlorotrifluoroethane	0.516	0.529		2.52	20
1,1-Dichloroethene	0.506	0.524		3.56	20
Acetone	0.105	0.130		23.81	20
Carbon Disulfide	1.635	1.666		1.9	20
Methyl tert-butyl Ether	1.378	1.459		5.88	20
Methyl Acetate	0.349	0.342		-2.01	20
Methylene Chloride	0.666	0.654		-1.8	20
trans-1,2-Dichloroethene	0.578	0.601		3.98	20
1,1-Dichloroethane	1.044	1.127	0.1	7.95	20
Cyclohexane	0.959	1.013		5.63	20
2-Butanone	0.154	0.175		13.64	20
Carbon Tetrachloride	0.486	0.518		6.58	20
cis-1,2-Dichloroethene	0.672	0.696		3.57	20
Bromochloromethane	0.439	0.455		3.64	20
Chloroform	1.076	1.121		4.28	20
1,1,1-Trichloroethane	0.929	0.989		6.46	20
Methylcyclohexane	0.596	0.656		10.07	20
Benzene	1.417	1.521		7.34	20
1,2-Dichloroethane	0.388	0.415		6.96	20
Trichloroethene	0.356	0.379		6.46	20
1,2-Dichloropropane	0.332	0.363		9.34	20
Bromodichloromethane	0.485	0.513		5.77	20
4-Methyl-2-Pentanone	0.210	0.238		13.33	20
Toluene	0.894	0.967		8.17	20
t-1,3-Dichloropropene	0.437	0.480		9.84	20
cis-1,3-Dichloropropene	0.506	0.551		8.89	20
1,1,2-Trichloroethane	0.244	0.260		6.56	20
2-Hexanone	0.143	0.165		15.39	20
Dibromochloromethane	0.315	0.331		5.08	20
1,2-Dibromoethane	0.228	0.239		4.82	20
Tetrachloroethene	0.472	0.498		5.51	20
Chlorobenzene	1.099	1.178	0.3	7.19	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: MSVOA_Y Calibration Date/Time: 07/02/2025 10:37

Lab File ID: VY022903.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.164		12.12	20
m/p-Xylenes	0.746	0.834		11.8	20
o-Xylene	0.703	0.783		11.38	20
Styrene	1.178	1.313		11.46	20
Bromoform	0.207	0.220	0.1	6.28	20
Isopropylbenzene	3.698	4.114		11.25	20
1,1,2,2-Tetrachloroethane	0.596	0.635	0.3	6.54	20
1,3-Dichlorobenzene	1.683	1.822		8.26	20
1,4-Dichlorobenzene	1.672	1.793		7.24	20
1,2-Dichlorobenzene	1.483	1.577		6.34	20
1,2-Dibromo-3-Chloropropane	0.101	0.105		3.96	20
1,2,4-Trichlorobenzene	0.838	0.880		5.01	20
1,2,3-Trichlorobenzene	0.724	0.729		0.69	20
1,2-Dichloroethane-d4	0.558	0.550		-1.43	20
Dibromofluoromethane	0.304	0.303		-0.33	20
Toluene-d8	1.207	1.217		0.83	20
4-Bromofluorobenzene	0.388	0.389		0.26	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG No.: Q2473
Instrument ID: MSVOA_Y
Calibration Date/Time: 07/03/2025 09:26
Lab File ID: VY022929.D
Init. Calib. Date(s): 06/23/2025 06/23/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 13:38 15:31
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.395		-7.71	20
Chloromethane	0.816	0.853	0.1	4.53	20
Vinyl Chloride	1.020	1.001		-1.86	20
Bromomethane	0.802	0.783		-2.37	20
Chloroethane	0.686	0.704		2.62	20
Trichlorofluoromethane	1.129	1.112		-1.51	20
1,1,2-Trichlorotrifluoroethane	0.516	0.521		0.97	20
1,1-Dichloroethene	0.506	0.499		-1.38	20
Acetone	0.105	0.122		16.19	20
Carbon Disulfide	1.635	1.601		-2.08	20
Methyl tert-butyl Ether	1.378	1.350		-2.03	20
Methyl Acetate	0.349	0.306		-12.32	20
Methylene Chloride	0.666	0.618		-7.21	20
trans-1,2-Dichloroethene	0.578	0.573		-0.87	20
1,1-Dichloroethane	1.044	1.086	0.1	4.02	20
Cyclohexane	0.959	0.963		0.42	20
2-Butanone	0.154	0.158		2.6	20
Carbon Tetrachloride	0.486	0.511		5.14	20
cis-1,2-Dichloroethene	0.672	0.674		0.3	20
Bromochloromethane	0.439	0.476		8.43	20
Chloroform	1.076	1.085		0.93	20
1,1,1-Trichloroethane	0.929	0.949		2.15	20
Methylcyclohexane	0.596	0.639		7.22	20
Benzene	1.417	1.504		6.14	20
1,2-Dichloroethane	0.388	0.408		5.16	20
Trichloroethene	0.356	0.371		4.21	20
1,2-Dichloropropane	0.332	0.354		6.63	20
Bromodichloromethane	0.485	0.508		4.74	20
4-Methyl-2-Pentanone	0.210	0.223		6.19	20
Toluene	0.894	0.947		5.93	20
t-1,3-Dichloropropene	0.437	0.460		5.26	20
cis-1,3-Dichloropropene	0.506	0.534		5.53	20
1,1,2-Trichloroethane	0.244	0.251		2.87	20
2-Hexanone	0.143	0.154		7.69	20
Dibromochloromethane	0.315	0.319		1.27	20
1,2-Dibromoethane	0.228	0.231		1.32	20
Tetrachloroethene	0.472	0.517		9.53	20
Chlorobenzene	1.099	1.171	0.3	6.55	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: MSVOA_Y Calibration Date/Time: 07/03/2025 09:26

Lab File ID: VY022929.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.129		10.31	20
m/p-Xylenes	0.746	0.813		8.98	20
o-Xylene	0.703	0.753		7.11	20
Styrene	1.178	1.277		8.4	20
Bromoform	0.207	0.207	0.1	0	20
Isopropylbenzene	3.698	4.069		10.03	20
1,1,2,2-Tetrachloroethane	0.596	0.596	0.3	0	20
1,3-Dichlorobenzene	1.683	1.801		7.01	20
1,4-Dichlorobenzene	1.672	1.727		3.29	20
1,2-Dichlorobenzene	1.483	1.511		1.89	20
1,2-Dibromo-3-Chloropropane	0.101	0.094		-6.93	20
1,2,4-Trichlorobenzene	0.838	0.802		-4.3	20
1,2,3-Trichlorobenzene	0.724	0.673		-7.04	20
1,2-Dichloroethane-d4	0.558	0.550		-1.43	20
Dibromofluoromethane	0.304	0.318		4.61	20
Toluene-d8	1.207	1.258		4.22	20
4-Bromofluorobenzene	0.388	0.393		1.29	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			SVOC-TCL BNA -20	8270E		07/02/25	07/07/25	
Q2473-01DL	**PIT#1DL**	**SOIL**			**07/01/25**			**07/01/25**
			SVOC-TCL BNA -20	8270E		07/02/25	07/08/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			SVOC-TCL BNA -20	8270E		07/02/25	07/07/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			SVOC-TCL BNA -20	8270E		07/02/25	07/07/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			SVOC-TCL BNA -20	8270E		07/02/25	07/03/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2473

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PIT#1**								
Q2473-01	PIT#1	SOIL	Naphthalene		210.000	J	50.4	380	ug/Kg
Q2473-01	PIT#1	SOIL	2-Methylnaphthalene		290.000	J	56.8	380	ug/Kg
Q2473-01	PIT#1	SOIL	Acenaphthylene		370.000	J	64.1	380	ug/Kg
Q2473-01	PIT#1	SOIL	Acenaphthene		2,000.000		47.3	380	ug/Kg
Q2473-01	PIT#1	SOIL	Dibenzofuran		1,200.000		50.4	380	ug/Kg
Q2473-01	PIT#1	SOIL	Fluorene		2,600.000		56.1	380	ug/Kg
Q2473-01	PIT#1	SOIL	Phenanthrene		21,700.000	E	46.4	380	ug/Kg
Q2473-01	PIT#1	SOIL	Anthracene		7,400.000	E	73.9	380	ug/Kg
Q2473-01	PIT#1	SOIL	Carbazole		860.000		69.2	380	ug/Kg
Q2473-01	PIT#1	SOIL	Fluoranthene		28,700.000	E	66.6	380	ug/Kg
Q2473-01	PIT#1	SOIL	Pyrene		19,900.000	E	79.9	380	ug/Kg
Q2473-01	PIT#1	SOIL	Benzo(a)anthracene		13,000.000	E	51	380	ug/Kg
Q2473-01	PIT#1	SOIL	Chrysene		11,700.000	E	44.2	380	ug/Kg
Q2473-01	PIT#1	SOIL	Bis(2-ethylhexyl)phthalate		290.000	J	130	380	ug/Kg
Q2473-01	PIT#1	SOIL	Benzo(b)fluoranthene		13,400.000	E	42.2	380	ug/Kg
Q2473-01	PIT#1	SOIL	Benzo(k)fluoranthene		5,000.000		49.7	380	ug/Kg
Q2473-01	PIT#1	SOIL	Benzo(a)pyrene		10,300.000	E	65.5	380	ug/Kg
Q2473-01	PIT#1	SOIL	Indeno(1,2,3-cd)pyrene		3,800.000		64.6	380	ug/Kg
Q2473-01	PIT#1	SOIL	Dibenzo(a,h)anthracene		1,200.000		60.8	380	ug/Kg
Q2473-01	PIT#1	SOIL	Benzo(g,h,i)perylene		4,100.000		57	380	ug/Kg
			Total Svoc :		**148,020.00**				
Q2473-01	PIT#1	SOIL	1,1-Binaphthalene	*	1,100.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	11H-Benzo[b]fluorene	*	480.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	1-Isopropenylnaphthalene	*	700.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	4H-Cyclopenta[def]phenanthrene	*	460.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Benzo[b]triphenylene	*	950.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Benzo[e]pyrene	*	7,000.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Dibenzo[def,mno]chrysene	*	2,000.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Dibenzofuran, 4-methyl-	*	1,200.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Fluoranthene, 2-methyl-	*	270.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Pyrene, 1-methyl-	*	310.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Pyrene, 2-methyl-	*	280.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	unknown10.551	*	570.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	unknown13.868	*	220.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Naphthalene, 1,4,6-trimethyl-	*	480.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Naphthalene, 1,7-dimethyl-	*	580.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Naphthalene, 2,3,6-trimethyl-	*	260.000	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2473

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2473-01	PIT#1	SOIL	Naphthalene, 2,3-dimethyl-	*	320.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Naphthalene, 2,6-dimethyl-	*	380.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	Phenanthrene, 2-methyl-	*	230.000	J	0	0	ug/Kg
Q2473-01	PIT#1	SOIL	1-Methylnaphthalene	*	330.000	J	57.3	380	ug/Kg
			Total Tics :		**18,120.00**				
			Total Concentration:		**166,140.00**				
Client ID :	**PIT#1DL**								
Q2473-01DL	PIT#1DL	SOIL	Acenaphthene		2,700.000	JD	470	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Dibenzofuran		1,600.000	JD	500	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Fluorene		3,500.000	JD	560	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Phenanthrene		36,200.000	D	460	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Anthracene		10,500.000	D	740	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Fluoranthene		38,600.000	D	670	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Pyrene		23,500.000	D	800	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Benzo(a)anthracene		18,100.000	D	510	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Chrysene		14,900.000	D	440	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Benzo(b)fluoranthene		17,300.000	D	420	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Benzo(k)fluoranthene		5,800.000	D	500	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Benzo(a)pyrene		13,700.000	D	650	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Indeno(1,2,3-cd)pyrene		4,000.000	D	650	3800	ug/Kg
Q2473-01DL	PIT#1DL	SOIL	Benzo(g,h,i)perylene		4,200.000	D	570	3800	ug/Kg
			Total Svoc :		**194,600.00**				
			Total Concentration:		**194,600.00**				
Client ID :	**PIT#2**								
Q2473-02	PIT#2	SOIL	Phenanthrene		870.000	J	120	940	ug/Kg
Q2473-02	PIT#2	SOIL	Fluoranthene		780.000	J	170	940	ug/Kg
Q2473-02	PIT#2	SOIL	Pyrene		670.000	J	200	940	ug/Kg
Q2473-02	PIT#2	SOIL	Benzo(a)anthracene		380.000	J	130	940	ug/Kg
Q2473-02	PIT#2	SOIL	Benzo(b)fluoranthene		390.000	J	110	940	ug/Kg
			Total Svoc :		**3,090.00**				
Q2473-02	PIT#2	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	410.000	AB	0	0	ug/Kg
Q2473-02	PIT#2	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	370.000	J	0	0	ug/Kg
			Total Tics :		**780.00**				
			Total Concentration:		**3,870.00**				
Client ID :	**PIT#3**								
Q2473-03	PIT#3	SOIL	Phenanthrene		520.000		47.1	380	ug/Kg
Q2473-03	PIT#3	SOIL	Fluoranthene		940.000		67.6	380	ug/Kg
Q2473-03	PIT#3	SOIL	Pyrene		570.000		81.2	380	ug/Kg
Q2473-03	PIT#3	SOIL	Benzo(a)anthracene		370.000	J	51.9	380	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2473

Client: JPCL Engineering

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2473-03	PIT#3	SOIL	Chrysene		340.000	J	44.9	380	ug/Kg
Q2473-03	PIT#3	SOIL	Bis(2-ethylhexyl)phthalate		220.000	J	130	380	ug/Kg
Q2473-03	PIT#3	SOIL	Benzo(b)fluoranthene		460.000		42.8	380	ug/Kg
Q2473-03	PIT#3	SOIL	Benzo(k)fluoranthene		200.000	J	50.5	380	ug/Kg
Q2473-03	PIT#3	SOIL	Benzo(a)pyrene		330.000	J	66.5	380	ug/Kg
Q2473-03	PIT#3	SOIL	Benzo(g,h,i)perylene		170.000	J	58	380	ug/Kg
			Total Svoc :		**4,120.00**				
Q2473-03	PIT#3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	AB	0	0	ug/Kg
Q2473-03	PIT#3	SOIL	2-Propanol, 1-chloro-, phosphate (	*	200.000	J	0	0	ug/Kg
Q2473-03	PIT#3	SOIL	Benzaldehyde, 3,5-dichloro-2-hyd	*	170.000	J	0	0	ug/Kg
Q2473-03	PIT#3	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg
			Total Tics :		**850.00**				
			Total Concentration:		**4,970.00**				
Client ID :	**PIT#4**								
Q2473-04	PIT#4	SOIL	Phenanthrene		210.000		23	190	ug/Kg
Q2473-04	PIT#4	SOIL	Fluoranthene		270.000		33	190	ug/Kg
Q2473-04	PIT#4	SOIL	Pyrene		140.000	J	39.6	190	ug/Kg
Q2473-04	PIT#4	SOIL	Benzo(a)anthracene		120.000	J	25.3	190	ug/Kg
Q2473-04	PIT#4	SOIL	Chrysene		99.500	J	21.9	190	ug/Kg
Q2473-04	PIT#4	SOIL	Benzo(b)fluoranthene		160.000	J	20.9	190	ug/Kg
Q2473-04	PIT#4	SOIL	Benzo(a)pyrene		110.000	J	32.5	190	ug/Kg
			Total Svoc :		**1,109.50**				
Q2473-04	PIT#4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
Q2473-04	PIT#4	SOIL	Anthracene, 2-methyl-	*	74.500	J	0	0	ug/Kg
Q2473-04	PIT#4	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg
			Total Tics :		**474.50**				
			Total Concentration:		**1,584.00**				

SAMPLE DATA

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143020.D	2	07/02/25 08:55	07/07/25 20:51	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	350	U	350	730	ug/Kg
108-95-2	Phenol	49.0	U	49.0	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.9	U	53.9	380	ug/Kg
95-57-8	2-Chlorophenol	54.2	U	54.2	380	ug/Kg
95-48-7	2-Methylphenol	66.4	U	66.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	83.2	U	83.2	380	ug/Kg
98-86-2	Acetophenone	65.5	U	65.5	380	ug/Kg
65794-96-9	3+4-Methylphenols	91.2	U	91.2	730	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	110	180	ug/Kg
67-72-1	Hexachloroethane	39.1	U	39.1	380	ug/Kg
98-95-3	Nitrobenzene	40.6	U	40.6	380	ug/Kg
78-59-1	Isophorone	72.8	U	72.8	380	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	380	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	68.4	U	68.4	380	ug/Kg
120-83-2	2,4-Dichlorophenol	62.8	U	62.8	380	ug/Kg
91-20-3	Naphthalene	210	J	50.4	380	ug/Kg
106-47-8	4-Chloroaniline	78.6	U	78.6	380	ug/Kg
87-68-3	Hexachlorobutadiene	56.1	U	56.1	380	ug/Kg
105-60-2	Caprolactam	120	U	120	730	ug/Kg
59-50-7	4-Chloro-3-methylphenol	63.7	U	63.7	380	ug/Kg
91-57-6	2-Methylnaphthalene	290	J	56.8	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	730	ug/Kg
88-06-2	2,4,6-Trichlorophenol	43.9	U	43.9	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64.6	U	64.6	380	ug/Kg
92-52-4	1,1-Biphenyl	48.4	U	48.4	380	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	380	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	380	ug/Kg
131-11-3	Dimethylphthalate	60.1	U	60.1	380	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143020.D	2	07/02/25 08:55	07/07/25 20:51	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	370	J	64.1	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	74.6	U	74.6	380	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	380	ug/Kg
83-32-9	Acenaphthene	2000		47.3	380	ug/Kg
51-28-5	2,4-Dinitrophenol	510	U	510	730	ug/Kg
100-02-7	4-Nitrophenol	240	U	240	730	ug/Kg
132-64-9	Dibenzofuran	1200		50.4	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	380	ug/Kg
84-66-2	Diethylphthalate	62.8	U	62.8	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.3	U	59.3	380	ug/Kg
86-73-7	Fluorene	2600		56.1	380	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	730	ug/Kg
86-30-6	n-Nitrosodiphenylamine	73.0	U	73.0	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.7	U	61.7	380	ug/Kg
118-74-1	Hexachlorobenzene	56.1	U	56.1	380	ug/Kg
1912-24-9	Atrazine	75.5	U	75.5	380	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	730	ug/Kg
85-01-8	Phenanthrene	21700	E	46.4	380	ug/Kg
120-12-7	Anthracene	7400	E	73.9	380	ug/Kg
86-74-8	Carbazole	860		69.2	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	28700	E	66.6	380	ug/Kg
129-00-0	Pyrene	19900	E	79.9	380	ug/Kg
85-68-7	Butylbenzylphthalate	160	UQ	160	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	81.4	U	81.4	730	ug/Kg
56-55-3	Benzo(a)anthracene	13000	E	51.0	380	ug/Kg
218-01-9	Chrysene	11700	E	44.2	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	J	130	380	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	190	730	ug/Kg
205-99-2	Benzo(b)fluoranthene	13400	E	42.2	380	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143020.D	2	07/02/25 08:55	07/07/25 20:51	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	5000		49.7	380	ug/Kg
50-32-8	Benzo(a)pyrene	10300	E	65.5	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3800		64.6	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		60.8	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4100		57.0	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.8	U	56.8	380	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60.8	U	60.8	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	53.2		18 - 112	35%	SPK: 150
13127-88-3	Phenol-d6	69.7		15 - 107	46%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.1		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.5		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	25.5		10 - 116	17%	SPK: 150
1718-51-0	Terphenyl-d14	47.1		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58500	6.875			
1146-65-2	Naphthalene-d8	207000	8.157			
15067-26-2	Acenaphthene-d10	104000	9.916			
1517-22-2	Phenanthrene-d10	183000	11.416			
1719-03-5	Chrysene-d12	129000	14.074			
1520-96-3	Perylene-d12	103000	15.568			
TENTATIVE IDENTIFIED COMPOUNDS						
90-12-0	1-Methylnaphthalene	330	J		8.97	ug/Kg
000581-42-0	Naphthalene, 2,6-dimethyl-	380	J		9.50	ug/Kg
000575-37-1	Naphthalene, 1,7-dimethyl-	580	J		9.57	ug/Kg
000581-40-8	Naphthalene, 2,3-dimethyl-	320	J		9.69	ug/Kg
000829-26-5	Naphthalene, 2,3,6-trimethyl-	260	J		10.2	ug/Kg
002131-42-2	Naphthalene, 1,4,6-trimethyl-	480	J		10.3	ug/Kg
001855-47-6	1-Isopropenylnaphthalene	700	J		10.5	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143020.D	2	07/02/25 08:55	07/07/25 20:51	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown10.551	570	J		10.6	ug/Kg
007320-53-8	Dibenzofuran, 4-methyl-	1200	J		10.6	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	230	J		11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	460	J		12.0	ug/Kg
002381-21-7	Pyrene, 1-methyl-	310	J		13.1	ug/Kg
000243-17-4	11H-Benzo[b]fluorene	480	J		13.2	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	270	J		13.3	ug/Kg
003442-78-2	Pyrene, 2-methyl-	280	J		13.3	ug/Kg
	unknown13.868	220	J		13.9	ug/Kg
000604-53-5	1,1-Binaphthalene	1100	J		15.0	ug/Kg
000192-97-2	Benzo[e]pyrene	7000	J		15.4	ug/Kg
000215-58-7	Benzo[b]triphenylene	950	J		17.3	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	2000	J		17.8	ug/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
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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1DL	SDG No.:	Q2473
Lab Sample ID:	Q2473-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143043.D	20	07/02/25 08:55	07/08/25 20:12	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	3500	UD	3500	7300	ug/Kg
108-95-2	Phenol	490	UD	490	3800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	540	UD	540	3800	ug/Kg
95-57-8	2-Chlorophenol	540	UD	540	3800	ug/Kg
95-48-7	2-Methylphenol	660	UD	660	3800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	830	UD	830	3800	ug/Kg
98-86-2	Acetophenone	650	UD	650	3800	ug/Kg
65794-96-9	3+4-Methylphenols	910	UD	910	7300	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100	UD	1100	1800	ug/Kg
67-72-1	Hexachloroethane	390	UD	390	3800	ug/Kg
98-95-3	Nitrobenzene	410	UD	410	3800	ug/Kg
78-59-1	Isophorone	730	UD	730	3800	ug/Kg
88-75-5	2-Nitrophenol	1300	UD	1300	3800	ug/Kg
105-67-9	2,4-Dimethylphenol	1400	UD	1400	3800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	680	UD	680	3800	ug/Kg
120-83-2	2,4-Dichlorophenol	630	UD	630	3800	ug/Kg
91-20-3	Naphthalene	500	UD	500	3800	ug/Kg
106-47-8	4-Chloroaniline	790	UD	790	3800	ug/Kg
87-68-3	Hexachlorobutadiene	560	UD	560	3800	ug/Kg
105-60-2	Caprolactam	1200	UD	1200	7300	ug/Kg
59-50-7	4-Chloro-3-methylphenol	640	UD	640	3800	ug/Kg
91-57-6	2-Methylnaphthalene	570	UD	570	3800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2600	UD	2600	7300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	440	UD	440	3800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	650	UD	650	3800	ug/Kg
92-52-4	1,1-Biphenyl	480	UD	480	3800	ug/Kg
91-58-7	2-Chloronaphthalene	500	UD	500	3800	ug/Kg
88-74-4	2-Nitroaniline	1100	UD	1100	3800	ug/Kg
131-11-3	Dimethylphthalate	600	UD	600	3800	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1DL	SDG No.:	Q2473
Lab Sample ID:	Q2473-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143043.D	20	07/02/25 08:55	07/08/25 20:12	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	640	UD	640	3800	ug/Kg
606-20-2	2,6-Dinitrotoluene	750	UD	750	3800	ug/Kg
99-09-2	3-Nitroaniline	1000	UD	1000	3800	ug/Kg
83-32-9	Acenaphthene	2700	JD	470	3800	ug/Kg
51-28-5	2,4-Dinitrophenol	5100	UD	5100	7300	ug/Kg
100-02-7	4-Nitrophenol	2400	UD	2400	7300	ug/Kg
132-64-9	Dibenzofuran	1600	JD	500	3800	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100	UD	1100	3800	ug/Kg
84-66-2	Diethylphthalate	630	UD	630	3800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	590	UD	590	3800	ug/Kg
86-73-7	Fluorene	3500	JD	560	3800	ug/Kg
100-01-6	4-Nitroaniline	1400	UD	1400	3800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2300	UD	2300	7300	ug/Kg
86-30-6	n-Nitrosodiphenylamine	730	UD	730	3800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	620	UD	620	3800	ug/Kg
118-74-1	Hexachlorobenzene	560	UD	560	3800	ug/Kg
1912-24-9	Atrazine	750	UD	750	3800	ug/Kg
87-86-5	Pentachlorophenol	1100	UD	1100	7300	ug/Kg
85-01-8	Phenanthrene	36200	D	460	3800	ug/Kg
120-12-7	Anthracene	10500	D	740	3800	ug/Kg
86-74-8	Carbazole	690	UD	690	3800	ug/Kg
84-74-2	Di-n-butylphthalate	1100	UD	1100	3800	ug/Kg
206-44-0	Fluoranthene	38600	D	670	3800	ug/Kg
129-00-0	Pyrene	23500	D	800	3800	ug/Kg
85-68-7	Butylbenzylphthalate	1600	UDQ	1600	3800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	810	UD	810	7300	ug/Kg
56-55-3	Benzo(a)anthracene	18100	D	510	3800	ug/Kg
218-01-9	Chrysene	14900	D	440	3800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300	UD	1300	3800	ug/Kg
117-84-0	Di-n-octyl phthalate	1900	UD	1900	7300	ug/Kg
205-99-2	Benzo(b)fluoranthene	17300	D	420	3800	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1DL	SDG No.:	Q2473
Lab Sample ID:	Q2473-01DL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143043.D	20	07/02/25 08:55	07/08/25 20:12	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	5800	D	500	3800	ug/Kg
50-32-8	Benzo(a)pyrene	13700	D	650	3800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4000	D	650	3800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	610	UD	610	3800	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4200	D	570	3800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	570	UD	570	3800	ug/Kg
123-91-1	1,4-Dioxane	1000	UD	1000	3800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	610	UD	610	3800	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	51.6		18 - 112	34%	SPK: 150
13127-88-3	Phenol-d6	82.3		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.2		18 - 107	54%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.2		20 - 109	64%	SPK: 100
118-79-6	2,4,6-Tribromophenol	11.1	*	10 - 116	7%	SPK: 150
1718-51-0	Terphenyl-d14	45.4		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55600	6.869			
1146-65-2	Naphthalene-d8	212000	8.157			
15067-26-2	Acenaphthene-d10	106000	9.916			
1517-22-2	Phenanthrene-d10	160000	11.404			
1719-03-5	Chrysene-d12	122000	14.051			
1520-96-3	Perylene-d12	143000	15.551			

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143022.D	5	07/02/25 08:55	07/07/25 21:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	860	U	860	1800	ug/Kg
108-95-2	Phenol	120	U	120	940	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	940	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	940	ug/Kg
95-48-7	2-Methylphenol	170	U	170	940	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	940	ug/Kg
98-86-2	Acetophenone	160	U	160	940	ug/Kg
65794-96-9	3+4-Methylphenols	230	U	230	1800	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	440	ug/Kg
67-72-1	Hexachloroethane	97.4	U	97.4	940	ug/Kg
98-95-3	Nitrobenzene	100	U	100	940	ug/Kg
78-59-1	Isophorone	180	U	180	940	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	940	ug/Kg
105-67-9	2,4-Dimethylphenol	360	U	360	940	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	940	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	940	ug/Kg
91-20-3	Naphthalene	130	U	130	940	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	940	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	940	ug/Kg
105-60-2	Caprolactam	290	U	290	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	U	160	940	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	940	ug/Kg
77-47-4	Hexachlorocyclopentadiene	640	U	640	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	940	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	940	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	940	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	940	ug/Kg
88-74-4	2-Nitroaniline	270	U	270	940	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	940	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143022.D	5	07/02/25 08:55	07/07/25 21:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	160	U	160	940	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	190	940	ug/Kg
99-09-2	3-Nitroaniline	250	U	250	940	ug/Kg
83-32-9	Acenaphthene	120	U	120	940	ug/Kg
51-28-5	2,4-Dinitrophenol	1300	U	1300	1800	ug/Kg
100-02-7	4-Nitrophenol	590	U	590	1800	ug/Kg
132-64-9	Dibenzofuran	130	U	130	940	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	940	ug/Kg
84-66-2	Diethylphthalate	160	U	160	940	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	940	ug/Kg
86-73-7	Fluorene	140	U	140	940	ug/Kg
100-01-6	4-Nitroaniline	360	U	360	940	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	570	U	570	1800	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	180	940	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	940	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	940	ug/Kg
1912-24-9	Atrazine	190	U	190	940	ug/Kg
87-86-5	Pentachlorophenol	280	U	280	1800	ug/Kg
85-01-8	Phenanthrene	870	J	120	940	ug/Kg
120-12-7	Anthracene	180	U	180	940	ug/Kg
86-74-8	Carbazole	170	U	170	940	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	940	ug/Kg
206-44-0	Fluoranthene	780	J	170	940	ug/Kg
129-00-0	Pyrene	670	J	200	940	ug/Kg
85-68-7	Butylbenzylphthalate	400	UQ	400	940	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	1800	ug/Kg
56-55-3	Benzo(a)anthracene	380	J	130	940	ug/Kg
218-01-9	Chrysene	110	U	110	940	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	330	940	ug/Kg
117-84-0	Di-n-octyl phthalate	480	U	480	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	390	J	110	940	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143022.D	5	07/02/25 08:55	07/07/25 21:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	120	U	120	940	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	160	940	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	U	160	940	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	940	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	940	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	940	ug/Kg
123-91-1	1,4-Dioxane	250	U	250	940	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	940	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	44.5		18 - 112	30%	SPK: 150
13127-88-3	Phenol-d6	60.2		15 - 107	40%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.7		18 - 107	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.1		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	23.7		10 - 116	16%	SPK: 150
1718-51-0	Terphenyl-d14	39.7		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	71100	6.875			
1146-65-2	Naphthalene-d8	254000	8.157			
15067-26-2	Acenaphthene-d10	114000	9.916			
1517-22-2	Phenanthrene-d10	162000	11.41			
1719-03-5	Chrysene-d12	118000	14.057			
1520-96-3	Perylene-d12	87000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	410	AB		5.08	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	370	J		12.0	ug/Kg

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Report of Analysis

Client:	JPCL Engineering			Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC			Date Received:	07/01/25
Client Sample ID:	PIT#2			SDG No.:	Q2473
Lab Sample ID:	Q2473-02			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	90.1
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143022.D	5	07/02/25 08:55	07/07/25 21:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143019.D	2	07/02/25 08:55	07/07/25 20:21	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	350	U	350	740	ug/Kg
108-95-2	Phenol	49.8	U	49.8	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.8	U	54.8	380	ug/Kg
95-57-8	2-Chlorophenol	55.0	U	55.0	380	ug/Kg
95-48-7	2-Methylphenol	67.4	U	67.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	84.6	U	84.6	380	ug/Kg
98-86-2	Acetophenone	66.5	U	66.5	380	ug/Kg
65794-96-9	3+4-Methylphenols	92.7	U	92.7	740	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	110	U	110	180	ug/Kg
67-72-1	Hexachloroethane	39.7	U	39.7	380	ug/Kg
98-95-3	Nitrobenzene	41.3	U	41.3	380	ug/Kg
78-59-1	Isophorone	74.0	U	74.0	380	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	380	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	69.5	U	69.5	380	ug/Kg
120-83-2	2,4-Dichlorophenol	63.8	U	63.8	380	ug/Kg
91-20-3	Naphthalene	51.2	U	51.2	380	ug/Kg
106-47-8	4-Chloroaniline	79.8	U	79.8	380	ug/Kg
87-68-3	Hexachlorobutadiene	57.0	U	57.0	380	ug/Kg
105-60-2	Caprolactam	120	U	120	740	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64.7	U	64.7	380	ug/Kg
91-57-6	2-Methylnaphthalene	57.7	U	57.7	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	260	U	260	740	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.6	U	44.6	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.6	U	65.6	380	ug/Kg
92-52-4	1,1-Biphenyl	49.2	U	49.2	380	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	380	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	380	ug/Kg
131-11-3	Dimethylphthalate	61.1	U	61.1	380	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143019.D	2	07/02/25 08:55	07/07/25 20:21	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	65.2	U	65.2	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	75.8	U	75.8	380	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	380	ug/Kg
83-32-9	Acenaphthene	48.0	U	48.0	380	ug/Kg
51-28-5	2,4-Dinitrophenol	520	U	520	740	ug/Kg
100-02-7	4-Nitrophenol	240	U	240	740	ug/Kg
132-64-9	Dibenzofuran	51.2	U	51.2	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	380	ug/Kg
84-66-2	Diethylphthalate	63.8	U	63.8	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.2	U	60.2	380	ug/Kg
86-73-7	Fluorene	57.0	U	57.0	380	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	230	U	230	740	ug/Kg
86-30-6	n-Nitrosodiphenylamine	74.2	U	74.2	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.7	U	62.7	380	ug/Kg
118-74-1	Hexachlorobenzene	57.0	U	57.0	380	ug/Kg
1912-24-9	Atrazine	76.7	U	76.7	380	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	740	ug/Kg
85-01-8	Phenanthrene	520		47.1	380	ug/Kg
120-12-7	Anthracene	75.1	U	75.1	380	ug/Kg
86-74-8	Carbazole	70.4	U	70.4	380	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	380	ug/Kg
206-44-0	Fluoranthene	940		67.6	380	ug/Kg
129-00-0	Pyrene	570		81.2	380	ug/Kg
85-68-7	Butylbenzylphthalate	160	UQ	160	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	82.8	U	82.8	740	ug/Kg
56-55-3	Benzo(a)anthracene	370	J	51.9	380	ug/Kg
218-01-9	Chrysene	340	J	44.9	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220	J	130	380	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	740	ug/Kg
205-99-2	Benzo(b)fluoranthene	460		42.8	380	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143019.D	2	07/02/25 08:55	07/07/25 20:21	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	200	J	50.5	380	ug/Kg
50-32-8	Benzo(a)pyrene	330	J	66.5	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	65.6	U	65.6	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.8	U	61.8	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	J	58.0	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.7	U	57.7	380	ug/Kg
123-91-1	1,4-Dioxane	100	U	100	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61.8	U	61.8	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	51.9		18 - 112	35%	SPK: 150
13127-88-3	Phenol-d6	58.7		15 - 107	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	40.0		18 - 107	40%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.2		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	35.3		10 - 116	24%	SPK: 150
1718-51-0	Terphenyl-d14	34.6		10 - 105	35%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65200	6.875			
1146-65-2	Naphthalene-d8	225000	8.157			
15067-26-2	Acenaphthene-d10	110000	9.916			
1517-22-2	Phenanthrene-d10	190000	11.404			
1719-03-5	Chrysene-d12	157000	14.057			
1520-96-3	Perylene-d12	111000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	AB		5.08	ug/Kg
000119-61-9	Benzophenone	210	J		10.6	ug/Kg
013674-84-5	2-Propanol, 1-chloro-, phosphate (	200	J		11.3	ug/Kg
000090-60-8	Benzaldehyde, 3,5-dichloro-2-hydro	170	J		12.0	ug/Kg

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Report of Analysis

Client:	JPCL Engineering			Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC			Date Received:	07/01/25
Client Sample ID:	PIT#3			SDG No.:	Q2473
Lab Sample ID:	Q2473-03			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	88.4
Sample Wt/Vol:	30.1	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143019.D	2	07/02/25 08:55	07/07/25 20:21	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143001.D	1	07/02/25 08:55	07/03/25 17:30	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	24.3	U	24.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.7	U	26.7	190	ug/Kg
95-57-8	2-Chlorophenol	26.9	U	26.9	190	ug/Kg
95-48-7	2-Methylphenol	32.9	U	32.9	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.3	U	41.3	190	ug/Kg
98-86-2	Acetophenone	32.5	U	32.5	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.2	U	45.2	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.2	U	52.2	88.1	ug/Kg
67-72-1	Hexachloroethane	19.4	U	19.4	190	ug/Kg
98-95-3	Nitrobenzene	20.1	U	20.1	190	ug/Kg
78-59-1	Isophorone	36.1	U	36.1	190	ug/Kg
88-75-5	2-Nitrophenol	64.1	U	64.1	190	ug/Kg
105-67-9	2,4-Dimethylphenol	71.3	U	71.3	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.9	U	33.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.1	U	31.1	190	ug/Kg
91-20-3	Naphthalene	25.0	U	25.0	190	ug/Kg
106-47-8	4-Chloroaniline	39.0	U	39.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.8	U	27.8	190	ug/Kg
105-60-2	Caprolactam	57.3	U	57.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.6	U	31.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.2	U	28.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.8	U	21.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.0	U	32.0	190	ug/Kg
92-52-4	1,1-Biphenyl	24.0	U	24.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.8	U	24.8	190	ug/Kg
88-74-4	2-Nitroaniline	52.9	U	52.9	190	ug/Kg
131-11-3	Dimethylphthalate	29.8	U	29.8	190	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143001.D	1	07/02/25 08:55	07/03/25 17:30	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.8	U	31.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.0	U	37.0	190	ug/Kg
99-09-2	3-Nitroaniline	50.6	U	50.6	190	ug/Kg
83-32-9	Acenaphthene	23.4	U	23.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	25.0	U	25.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.1	U	55.1	190	ug/Kg
84-66-2	Diethylphthalate	31.1	U	31.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.4	U	29.4	190	ug/Kg
86-73-7	Fluorene	27.8	U	27.8	190	ug/Kg
100-01-6	4-Nitroaniline	70.7	U	70.7	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.2	U	36.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.6	U	30.6	190	ug/Kg
118-74-1	Hexachlorobenzene	27.8	U	27.8	190	ug/Kg
1912-24-9	Atrazine	37.4	U	37.4	190	ug/Kg
87-86-5	Pentachlorophenol	56.5	U	56.5	360	ug/Kg
85-01-8	Phenanthrene	210		23.0	190	ug/Kg
120-12-7	Anthracene	36.7	U	36.7	190	ug/Kg
86-74-8	Carbazole	34.3	U	34.3	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.7	U	52.7	190	ug/Kg
206-44-0	Fluoranthene	270		33.0	190	ug/Kg
129-00-0	Pyrene	140	J	39.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	78.6	UQ	78.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.4	U	40.4	360	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	25.3	190	ug/Kg
218-01-9	Chrysene	99.5	J	21.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65.2	U	65.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	95.5	U	95.5	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	20.9	190	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143001.D	1	07/02/25 08:55	07/03/25 17:30	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.7	U	24.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	32.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.0	U	32.0	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.2	U	30.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.3	U	28.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.2	U	28.2	190	ug/Kg
123-91-1	1,4-Dioxane	49.8	U	49.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.2	U	30.2	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	64.7		18 - 112	43%	SPK: 150
13127-88-3	Phenol-d6	66.0		15 - 107	44%	SPK: 150
4165-60-0	Nitrobenzene-d5	42.5		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.0		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	55.9		10 - 116	37%	SPK: 150
1718-51-0	Terphenyl-d14	27.9		10 - 105	28%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	76300	6.875			
1146-65-2	Naphthalene-d8	284000	8.157			
15067-26-2	Acenaphthene-d10	135000	9.91			
1517-22-2	Phenanthrene-d10	188000	11.404			
1719-03-5	Chrysene-d12	176000	14.051			
1520-96-3	Perylene-d12	146000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		5.09	ug/Kg
000119-61-9	Benzophenone	210	J		10.6	ug/Kg
000613-12-7	Anthracene, 2-methyl-	74.5	J		11.9	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143001.D	1	07/02/25 08:55	07/03/25 17:30	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168694BL	PB168694BL	2-Fluorophenol	150	121	81		18	112
		Phenol-d6	150	119	80		15	107
		Nitrobenzene-d5	100	76.7	77		18	107
		2-Fluorobiphenyl	100	75.5	76		20	109
		2,4,6-Tribromophenol	150	124	82		10	116
		Terphenyl-d14	100	76.8	77		10	105
PB168694BS	PB168694BS	2-Fluorophenol	150	119	80		18	112
		Phenol-d6	150	117	78		15	107
		Nitrobenzene-d5	100	76.6	77		18	107
		2-Fluorobiphenyl	100	79.8	80		20	109
		2,4,6-Tribromophenol	150	122	81		10	116
		Terphenyl-d14	100	67.7	68		10	105
Q2473-01	PIT#1	2-Fluorophenol	150	53.2	35		18	112
		Phenol-d6	150	69.7	46		15	107
		Nitrobenzene-d5	100	46.1	46		18	107
		2-Fluorobiphenyl	100	49.5	50		20	109
		2,4,6-Tribromophenol	150	25.5	17		10	116
		Terphenyl-d14	100	47.1	47		10	105
Q2473-01DL	PIT#1DL	2-Fluorophenol	150	51.6	34		18	112
		Phenol-d6	150	82.3	55		15	107
		Nitrobenzene-d5	100	54.2	54		18	107
		2-Fluorobiphenyl	100	64.2	64		20	109
		2,4,6-Tribromophenol	150	11.1	7	*	10	116
		Terphenyl-d14	100	45.4	45		10	105
Q2473-02	PIT#2	2-Fluorophenol	150	44.5	30		18	112
		Phenol-d6	150	60.2	40		15	107
		Nitrobenzene-d5	100	40.7	41		18	107
		2-Fluorobiphenyl	100	50.1	50		20	109
		2,4,6-Tribromophenol	150	23.7	16		10	116
		Terphenyl-d14	100	39.7	40		10	105
Q2473-03	PIT#3	2-Fluorophenol	150	51.9	35		18	112
		Phenol-d6	150	58.7	39		15	107
		Nitrobenzene-d5	100	40.0	40		18	107
		2-Fluorobiphenyl	100	43.2	43		20	109
		2,4,6-Tribromophenol	150	35.3	24		10	116
		Terphenyl-d14	100	34.6	35		10	105
Q2473-04	PIT#4	2-Fluorophenol	150	64.7	43		18	112
		Phenol-d6	150	66.0	44		15	107
		Nitrobenzene-d5	100	42.5	42		18	107
		2-Fluorobiphenyl	100	46.0	46		20	109
		2,4,6-Tribromophenol	150	55.9	37		10	116
		Terphenyl-d14	100	27.9	28		10	105
Q2475-01MS	SOIL-PILEMS	2-Fluorophenol	150	70.7	47		18	112
		Phenol-d6	150	74.0	49		15	107
		Nitrobenzene-d5	100	46.8	47		18	107
		2-Fluorobiphenyl	100	43.0	43		20	109
		2,4,6-Tribromophenol	150	67.8	45		10	116
		Terphenyl-d14	100	33.5	33		10	105
Q2475-01MSD	SOIL-PILEMSD	2-Fluorophenol	150	70.0	47		18	112
		Phenol-d6	150	73.3	49		15	107
		Nitrobenzene-d5	100	44.8	45		18	107

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Surrogate Summary

SW-846

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2475-01MSD	SOIL-PILEMSD	2-Fluorobiphenyl	100	42.0	42		20	109
		2,4,6-Tribromophenol	150	61.7	41		10	116
		Terphenyl-d14	100	31.4	31		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8270E

Client: JPCL Engineering **DataFile:** BF142982.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2475-01MS		**Client Sample ID: SOIL-PILEMS**									
Benzaldehyde	1300	0	1300	ug/Kg	100				10	171	
Phenol	1300	0	1100	ug/Kg	85				51	122	
bis(2-Chloroethyl)ether	1300	0	1100	ug/Kg	85				54	125	
2-Chlorophenol	1300	0	1100	ug/Kg	85				51	121	
2-Methylphenol	1300	0	1200	ug/Kg	92				47	125	
2,2-oxybis(1-Chloropropane)	1300	0	1100	ug/Kg	85				46	119	
Acetophenone	1300	0	1200	ug/Kg	92				55	128	
3+4-Methylphenols	1300	0	1200	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	1300	0	1100	ug/Kg	85				59	119	
Hexachloroethane	1300	0	1100	ug/Kg	85				51	116	
Nitrobenzene	1300	0	1100	ug/Kg	85				47	124	
Isophorone	1300	0	1200	ug/Kg	92				49	127	
2-Nitrophenol	1300	0	1200	ug/Kg	92				43	131	
2,4-Dimethylphenol	1300	0	1100	ug/Kg	85				63	151	
bis(2-Chloroethoxy)methane	1300	0	1200	ug/Kg	92				51	119	
2,4-Dichlorophenol	1300	0	1200	ug/Kg	92				50	122	
Naphthalene	1300	0	1200	ug/Kg	92				51	121	
4-Chloroaniline	1300	0	590	ug/Kg	45				10	100	
Hexachlorobutadiene	1300	0	1200	ug/Kg	92				44	126	
Caprolactam	1300	0	1400	ug/Kg	108				51	134	
4-Chloro-3-methylphenol	1300	0	1200	ug/Kg	92				57	132	
2-Methylnaphthalene	1300	0	1200	ug/Kg	92				59	123	
Hexachlorocyclopentadiene	2500	0	1600	ug/Kg	64				10	175	
2,4,6-Trichlorophenol	1300	0	1200	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	1300	0	1200	ug/Kg	92				38	135	
1,1-Biphenyl	1300	0	1200	ug/Kg	92				55	131	
2-Chloronaphthalene	1300	0	1200	ug/Kg	92				48	124	
2-Nitroaniline	1300	0	1200	ug/Kg	92				47	134	
Dimethylphthalate	1300	0	1300	ug/Kg	100				54	120	
Acenaphthylene	1300	0	1200	ug/Kg	92				57	125	
2,6-Dinitrotoluene	1300	0	1200	ug/Kg	92				48	127	
3-Nitroaniline	1300	0	780	ug/Kg	60				10	112	
Acenaphthene	1300	0	1300	ug/Kg	100				70	121	
2,4-Dinitrophenol	2500	0	2200	ug/Kg	88				10	155	
4-Nitrophenol	2500	0	2100	ug/Kg	84				10	175	
Dibenzofuran	1300	0	1200	ug/Kg	92				52	114	
2,4-Dinitrotoluene	1300	0	1200	ug/Kg	92				41	140	
Diethylphthalate	1300	0	1300	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1300	0	1200	ug/Kg	92				48	122	
Fluorene	1300	70.1	1200	ug/Kg	87				53	118	
4-Nitroaniline	1300	0	1200	ug/Kg	92				29	140	
4,6-Dinitro-2-methylphenol	1300	0	1200	ug/Kg	92				10	160	
N-Nitrosodiphenylamine	1300	0	1300	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1300	0	1300	ug/Kg	100				65	121	
Hexachlorobenzene	1300	0	1200	ug/Kg	92				67	118	
Atrazine	1300	0	1500	ug/Kg	115				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8270E

Client: JPCL Engineering **DataFile:** BF142982.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2500	0	2300	ug/Kg	92				13	153	
Phenanthrene	1300	420	1500	ug/Kg	83				52	128	
Anthracene	1300	64.9	1200	ug/Kg	87				62	124	
Carbazole	1300	56.1	1200	ug/Kg	88				59	119	
Di-n-butylphthalate	1300	0	1500	ug/Kg	115				55	125	
Fluoranthene	1300	1200	2100	ug/Kg	69				44	125	
Pyrene	1300	680	1400	ug/Kg	55				37	122	
Butylbenzylphthalate	1300	0	1300	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1300	0	740	ug/Kg	57				15	112	
Benzo(a)anthracene	1300	390	1500	ug/Kg	85				53	119	
Chrysene	1300	500	1600	ug/Kg	85				57	121	
bis(2-Ethylhexyl)phthalate	1300	0	1300	ug/Kg	100				42	169	
Di-n-octyl phthalate	1300	0	1100	ug/Kg	85				51	156	
Benzo(b)fluoranthene	1300	660	1800	ug/Kg	88				52	117	
Benzo(k)fluoranthene	1300	210	1600	ug/Kg	107				57	134	
Benzo(a)pyrene	1300	310	1500	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1300	100	890	ug/Kg	61				40	129	
Dibenz(a,h)anthracene	1300	0	840	ug/Kg	65				43	123	
Benzo(g,h,i)perylene	1300	120	850	ug/Kg	56				24	125	
1,2,4,5-Tetrachlorobenzene	1300	0	1200	ug/Kg	92				52	134	
1,4-Dioxane	1300	0	890	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1300	0	1100	ug/Kg	85				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8270E

Client: JPCL Engineering **DataFile:** BF142983.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2475-01MSD		**Client Sample ID: SOIL-PILEMSD**									
Benzaldehyde	1300	0	1200	ug/Kg	92		8		10	171	20
Phenol	1300	0	1100	ug/Kg	85		0		51	122	20
bis(2-Chloroethyl)ether	1300	0	1100	ug/Kg	85		0		54	125	20
2-Chlorophenol	1300	0	1100	ug/Kg	85		0		51	121	20
2-Methylphenol	1300	0	1100	ug/Kg	85		8		47	125	20
2,2-oxybis(1-Chloropropane)	1300	0	1000	ug/Kg	77		10		46	119	20
Acetophenone	1300	0	1100	ug/Kg	85		8		55	128	20
3+4-Methylphenols	1300	0	1200	ug/Kg	92		0		49	125	20
N-Nitroso-di-n-propylamine	1300	0	1100	ug/Kg	85		0		59	119	20
Hexachloroethane	1300	0	1100	ug/Kg	85		0		51	116	20
Nitrobenzene	1300	0	1100	ug/Kg	85		0		47	124	20
Isophorone	1300	0	1100	ug/Kg	85		8		49	127	20
2-Nitrophenol	1300	0	1200	ug/Kg	92		0		43	131	20
2,4-Dimethylphenol	1300	0	1100	ug/Kg	85		0		63	151	20
bis(2-Chloroethoxy)methane	1300	0	1100	ug/Kg	85		8		51	119	20
2,4-Dichlorophenol	1300	0	1100	ug/Kg	85		8		50	122	20
Naphthalene	1300	0	1100	ug/Kg	85		8		51	121	20
4-Chloroaniline	1300	0	550	ug/Kg	42		7		10	100	20
Hexachlorobutadiene	1300	0	1100	ug/Kg	85		8		44	126	20
Caprolactam	1300	0	1300	ug/Kg	100		8		51	134	20
4-Chloro-3-methylphenol	1300	0	1100	ug/Kg	85		8		57	132	20
2-Methylnaphthalene	1300	0	1100	ug/Kg	85		8		59	123	20
Hexachlorocyclopentadiene	2500	0	1600	ug/Kg	64		0		10	175	20
2,4,6-Trichlorophenol	1300	0	1100	ug/Kg	85		8		33	141	20
2,4,5-Trichlorophenol	1300	0	1100	ug/Kg	85		8		38	135	20
1,1-Biphenyl	1300	0	1200	ug/Kg	92		0		55	131	20
2-Chloronaphthalene	1300	0	1100	ug/Kg	85		8		48	124	20
2-Nitroaniline	1300	0	1200	ug/Kg	92		0		47	134	20
Dimethylphthalate	1300	0	1200	ug/Kg	92		8		54	120	20
Acenaphthylene	1300	0	1100	ug/Kg	85		8		57	125	20
2,6-Dinitrotoluene	1300	0	1200	ug/Kg	92		0		48	127	20
3-Nitroaniline	1300	0	720	ug/Kg	55		9		10	112	20
Acenaphthene	1300	0	1200	ug/Kg	92		8		70	121	20
2,4-Dinitrophenol	2500	0	2100	ug/Kg	84		5		10	155	20
4-Nitrophenol	2500	0	1900	ug/Kg	76		10		10	175	20
Dibenzofuran	1300	0	1100	ug/Kg	85		8		52	114	20
2,4-Dinitrotoluene	1300	0	1100	ug/Kg	85		8		41	140	20
Diethylphthalate	1300	0	1200	ug/Kg	92		8		51	119	20
4-Chlorophenyl-phenylether	1300	0	1100	ug/Kg	85		8		48	122	20
Fluorene	1300	70.1	1100	ug/Kg	79		10		53	118	20
4-Nitroaniline	1300	0	1000	ug/Kg	77		18		29	140	20
4,6-Dinitro-2-methylphenol	1300	0	1100	ug/Kg	85		8		10	160	20
N-Nitrosodiphenylamine	1300	0	1300	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	1300	0	1300	ug/Kg	100		0		65	121	20
Hexachlorobenzene	1300	0	1200	ug/Kg	92		0		67	118	20
Atrazine	1300	0	1500	ug/Kg	115		0		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** SW8270E

Client: JPCL Engineering **DataFile:** BF142983.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2500	0	2300	ug/Kg	92		0		13	153	20
Phenanthrene	1300	420	1400	ug/Kg	75		10		52	128	20
Anthracene	1300	64.9	1200	ug/Kg	87		0		62	124	20
Carbazole	1300	56.1	1200	ug/Kg	88		0		59	119	20
Di-n-butylphthalate	1300	0	1400	ug/Kg	108		6		55	125	20
Fluoranthene	1300	1200	2000	ug/Kg	62		11		44	125	20
Pyrene	1300	680	1400	ug/Kg	55		0		37	122	20
Butylbenzylphthalate	1300	0	1200	ug/Kg	92		8		44	135	20
3,3-Dichlorobenzidine	1300	0	750	ug/Kg	58		2		15	112	20
Benzo(a)anthracene	1300	390	1500	ug/Kg	85		0		53	119	20
Chrysene	1300	500	1500	ug/Kg	77		10		57	121	20
bis(2-Ethylhexyl)phthalate	1300	0	1200	ug/Kg	92		8		42	169	20
Di-n-octyl phthalate	1300	0	1100	ug/Kg	85		0		51	156	20
Benzo(b)fluoranthene	1300	660	1800	ug/Kg	88		0		52	117	20
Benzo(k)fluoranthene	1300	210	1600	ug/Kg	107		0		57	134	20
Benzo(a)pyrene	1300	310	1400	ug/Kg	84		9		70	142	20
Indeno(1,2,3-cd)pyrene	1300	100	860	ug/Kg	58		5		40	129	20
Dibenz(a,h)anthracene	1300	0	800	ug/Kg	62		5		43	123	20
Benzo(g,h,i)perylene	1300	120	820	ug/Kg	54		4		24	125	20
1,2,4,5-Tetrachlorobenzene	1300	0	1200	ug/Kg	92		0		52	134	20
1,4-Dioxane	1300	0	900	ug/Kg	69		1		46	112	20
2,3,4,6-Tetrachlorophenol	1300	0	1000	ug/Kg	77		10		24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8270E

Client: JPCL Engineering **DataFile:** BF142989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168694BS	Benzaldehyde	1700	920	ug/Kg	54				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	980	ug/Kg	58				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8270E

Client: JPCL Engineering **DataFile:** BF142989.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168694BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1800	ug/Kg	106				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168694BL

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: BF142988.D | Lab Sample ID: PB168694BL

Instrument ID: BNA_F | Date Extracted: 07/02/2025

Matrix: (soil/water) SOIL | Date Analyzed: 07/03/2025

Level: (low/med) LOW | Time Analyzed: 10:26

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168694BS	PB168694BS	BF142989.D	07/03/2025
PIT#4	Q2473-04	BF143001.D	07/03/2025
PIT#1	Q2473-01	BF143020.D	07/07/2025
PIT#3	Q2473-03	BF143019.D	07/07/2025
PIT#2	Q2473-02	BF143022.D	07/07/2025
SOIL-PILEMS	Q2475-01MS	BF142982.D	07/02/2025
SOIL-PILEMSD	Q2475-01MSD	BF142983.D	07/02/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: BF142787.D | DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F | DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	41.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICCC040	SSTDICCC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: BF142963.D | DFTPP Injection Date: 07/02/2025

Instrument ID: BNA_F | DFTPP Injection Time: 11:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.2
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	28.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	38.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142964.D	07/02/2025	11:41
SOIL-PILEMS	Q2475-01MS	BF142982.D	07/02/2025	20:52
SOIL-PILEMSD	Q2475-01MSD	BF142983.D	07/02/2025	21:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: BF142986.D DFTPP Injection Date: 07/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	28.4
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	39
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.4
275	10.0 - 60.0% of mass 198	24.2
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142987.D	07/03/2025	09:55
PB168694BL	PB168694BL	BF142988.D	07/03/2025	10:26
PB168694BS	PB168694BS	BF142989.D	07/03/2025	10:55
PIT#4	Q2473-04	BF143001.D	07/03/2025	17:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: BF143002.D | DFTPP Injection Date: 07/07/2025

Instrument ID: BNA_F | DFTPP Injection Time: 11:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	29.4
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	42.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	25.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143003.D	07/07/2025	12:12
PIT#3	Q2473-03	BF143019.D	07/07/2025	20:21
PIT#1	Q2473-01	BF143020.D	07/07/2025	20:51
PIT#2	Q2473-02	BF143022.D	07/07/2025	21:52

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab File ID: BF143024.D | DFTPP Injection Date: 07/08/2025

Instrument ID: BNA_F | DFTPP Injection Time: 10:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	32.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143025.D	07/08/2025	10:54
PIT#1DL	Q2473-01DL	BF143043.D	07/08/2025	20:12

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID : SSTDCCC040 Date Analyzed: 07/02/2025

Lab File ID: BF142964.D Time Analyzed: 11:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	58835	6.875	223613	8.16	116653	9.92
	UPPER LIMIT	117670	7.375	447226	8.657	233306	10.416
	LOWER LIMIT	29417.5	6.375	111807	7.657	58326.5	9.416
	EPA SAMPLE NO.						
01	SOIL-PILEMS	59177	6.88	222831	8.16	115354	9.92
02	SOIL-PILEMSD	59335	6.88	228314	8.16	114108	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID: SSTDCCC040 Date Analyzed: 07/02/2025

Lab File ID: BF142964.D Time Analyzed: 11:41

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	194796	11.404	118183	14.051	123997	15.545
	UPPER LIMIT	389592	11.904	236366	14.551	247994	16.045
	LOWER LIMIT	97398	10.904	59091.5	13.551	61998.5	15.045
	EPA SAMPLE NO.						
01	SOIL-PILEMS	168872	11.40	125535	14.06	103117	15.55
02	SOIL-PILEMSD	156089	11.40	121729	14.05	97715	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID : SSTDCCC040 Date Analyzed: 07/03/2025

Lab File ID: BF142987.D Time Analyzed: 09:55

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	62161	6.875	229765	8.16	116751	9.92
	UPPER LIMIT	124322	7.375	459530	8.657	233502	10.416
	LOWER LIMIT	31080.5	6.375	114883	7.657	58375.5	9.416
	EPA SAMPLE NO.						
01	PB168694BL	74523	6.88	286767	8.16	155660	9.92
02	PB168694BS	59015	6.88	219896	8.16	110519	9.92
03	PIT#4	76335	6.88	283968	8.16	134925	9.91

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID: SSTDCCC040 Date Analyzed: 07/03/2025

Lab File ID: BF142987.D Time Analyzed: 09:55

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	185461	11.404	107728	14.051	131364	15.545
	UPPER LIMIT	370922	11.904	215456	14.551	262728	16.045
	LOWER LIMIT	92730.5	10.904	53864	13.551	65682	15.045
	EPA SAMPLE NO.						
01	PB168694BL	262266	11.40	143100	14.05	155357	15.55
02	PB168694BS	169244	11.41	114618	14.06	135774	15.55
03	PIT#4	188390	11.40	176129	14.05	145690	15.54

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID : SSTDCCC040 Date Analyzed: 07/07/2025

Lab File ID: BF143003.D Time Analyzed: 12:12

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66299	6.875	250576	8.16	128386	9.92
	UPPER LIMIT	132598	7.375	501152	8.663	256772	10.422
	LOWER LIMIT	33149.5	6.375	125288	7.663	64193	9.422
	EPA SAMPLE NO.						
01	PIT#1	58496	6.88	207180	8.16	104486	9.92
02	PIT#2	71088	6.88	253688	8.16	114128	9.92
03	PIT#3	65185	6.88	225358	8.16	109627	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID: SSTDCCC040 Date Analyzed: 07/07/2025

Lab File ID: BF143003.D Time Analyzed: 12:12

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	196682	11.41	115356	14.057	146144	15.551
	UPPER LIMIT	393364	11.91	230712	14.557	292288	16.051
	LOWER LIMIT	98341	10.91	57678	13.557	73072	15.051
	EPA SAMPLE NO.						
01	PIT#1	183059	11.42	128705	14.07	102828	15.57
02	PIT#2	161870	11.41	118431	14.06	87043	15.56
03	PIT#3	189524	11.40	156816	14.06	111252	15.56

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID : SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	66813	6.875	257725	8.16	136330	9.92
	UPPER LIMIT	133626	7.375	515450	8.663	272660	10.422
	LOWER LIMIT	33406.5	6.375	128863	7.663	68165	9.422
	EPA SAMPLE NO.						
01	PIT#1DL	55588	6.87	211740	8.16	106126	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2473

Client ID: SSTDCCC040 Date Analyzed: 07/08/2025

Lab File ID: BF143025.D Time Analyzed: 10:54

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218169	11.41	109391	14.063	135350	15.557
	UPPER LIMIT	436338	11.91	218782	14.563	270700	16.057
	LOWER LIMIT	109085	10.91	54695.5	13.563	67675	15.057
	EPA SAMPLE NO.						
01	PIT#1DL	159588	11.40	121712	14.05	143355	15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168694BL	SDG No.:	Q2473
Lab Sample ID:	PB168694BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168694BL	SDG No.:	Q2473
Lab Sample ID:	PB168694BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168694BL	SDG No.:	Q2473
Lab Sample ID:	PB168694BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	121		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	119		15 - 107	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.7		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	76.8		10 - 105	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74500	6.875			
1146-65-2	Naphthalene-d8	287000	8.157			
15067-26-2	Acenaphthene-d10	156000	9.916			
1517-22-2	Phenanthrene-d10	262000	11.404			
1719-03-5	Chrysene-d12	143000	14.051			
1520-96-3	Perylene-d12	155000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A		5.11	ug/Kg
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	390	J		17.2	ug/Kg

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Report of Analysis

Client:	JPCL Engineering			Date Collected:	
Project:	NOHO RFI No. SC64025 NYC			Date Received:	
Client Sample ID:	PB168694BL			SDG No.:	Q2473
Lab Sample ID:	PB168694BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142988.D	1	07/02/25 08:55	07/03/25 10:26	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168694BS	SDG No.:	Q2473
Lab Sample ID:	PB168694BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142989.D	1	07/02/25 08:55	07/03/25 10:55	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	920		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	980		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1500		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1400		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168694BS	SDG No.:	Q2473
Lab Sample ID:	PB168694BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142989.D	1	07/02/25 08:55	07/03/25 10:55	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2600		110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1500		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1800		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1200		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		19.0	170	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168694BS	SDG No.:	Q2473
Lab Sample ID:	PB168694BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142989.D	1	07/02/25 08:55	07/03/25 10:55	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	119		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	117		15 - 107	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.6		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		20 - 109	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		10 - 116	81%	SPK: 150
1718-51-0	Terphenyl-d14	67.7		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59000	6.875			
1146-65-2	Naphthalene-d8	220000	8.157			
15067-26-2	Acenaphthene-d10	111000	9.916			
1517-22-2	Phenanthrene-d10	169000	11.41			
1719-03-5	Chrysene-d12	115000	14.057			
1520-96-3	Perylene-d12	136000	15.551			

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142982.D	1	07/02/25 08:55	07/02/25 20:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		120	250	ug/Kg
108-95-2	Phenol	1100		16.6	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.3	130	ug/Kg
95-48-7	2-Methylphenol	1200		22.5	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		28.2	130	ug/Kg
98-86-2	Acetophenone	1200		22.2	130	ug/Kg
65794-96-9	3+4-Methylphenols	1200		30.9	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.6	60.1	ug/Kg
67-72-1	Hexachloroethane	1100		13.2	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.8	130	ug/Kg
78-59-1	Isophorone	1200		24.7	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.8	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.7	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200		23.2	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		21.3	130	ug/Kg
91-20-3	Naphthalene	1200		17.1	130	ug/Kg
106-47-8	4-Chloroaniline	590		26.6	130	ug/Kg
87-68-3	Hexachlorobutadiene	1200		19.0	130	ug/Kg
105-60-2	Caprolactam	1400		39.2	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		21.6	130	ug/Kg
91-57-6	2-Methylnaphthalene	1200		19.2	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		87.2	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		14.9	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		21.9	130	ug/Kg
92-52-4	1,1-Biphenyl	1200		16.4	130	ug/Kg
91-58-7	2-Chloronaphthalene	1200		16.9	130	ug/Kg
88-74-4	2-Nitroaniline	1200		36.2	130	ug/Kg
131-11-3	Dimethylphthalate	1300		20.4	130	ug/Kg

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142982.D	1	07/02/25 08:55	07/02/25 20:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		21.7	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		25.3	130	ug/Kg
99-09-2	3-Nitroaniline	780		34.6	130	ug/Kg
83-32-9	Acenaphthene	1300		16.0	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	170	250	ug/Kg
100-02-7	4-Nitrophenol	2100	E	80.4	250	ug/Kg
132-64-9	Dibenzofuran	1200		17.1	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		37.7	130	ug/Kg
84-66-2	Diethylphthalate	1300		21.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		20.1	130	ug/Kg
86-73-7	Fluorene	1200		19.0	130	ug/Kg
100-01-6	4-Nitroaniline	1200		48.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		77.4	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		24.7	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		20.9	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		19.0	130	ug/Kg
1912-24-9	Atrazine	1500		25.6	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.6	250	ug/Kg
85-01-8	Phenanthrene	1500		15.7	130	ug/Kg
120-12-7	Anthracene	1200		25.0	130	ug/Kg
86-74-8	Carbazole	1200		23.5	130	ug/Kg
84-74-2	Di-n-butylphthalate	1500		36.0	130	ug/Kg
206-44-0	Fluoranthene	2100	E	22.6	130	ug/Kg
129-00-0	Pyrene	1400		27.1	130	ug/Kg
85-68-7	Butylbenzylphthalate	1300		53.7	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	740		27.6	250	ug/Kg
56-55-3	Benzo(a)anthracene	1500		17.3	130	ug/Kg
218-01-9	Chrysene	1600		15.0	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		44.5	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		65.3	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		14.3	130	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142982.D	1	07/02/25 08:55	07/02/25 20:52	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		16.8	130	ug/Kg
50-32-8	Benzo(a)pyrene	1500		22.2	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	890		21.9	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	840		20.6	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	850		19.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		19.2	130	ug/Kg
123-91-1	1,4-Dioxane	890		34.0	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		20.6	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.7		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	74.0		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.8		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.0		20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.8		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	33.5		10 - 105	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59200	6.875			
1146-65-2	Naphthalene-d8	223000	8.157			
15067-26-2	Acenaphthene-d10	115000	9.916			
1517-22-2	Phenanthrene-d10	169000	11.404			
1719-03-5	Chrysene-d12	126000	14.057			
1520-96-3	Perylene-d12	103000	15.545			

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:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142983.D	1	07/02/25 08:55	07/02/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1200		120	250	ug/Kg
108-95-2	Phenol	1100		16.6	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		18.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.4	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.5	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		28.2	130	ug/Kg
98-86-2	Acetophenone	1100		22.2	130	ug/Kg
65794-96-9	3+4-Methylphenols	1200		30.9	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		35.6	60.2	ug/Kg
67-72-1	Hexachloroethane	1100		13.2	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.8	130	ug/Kg
78-59-1	Isophorone	1100		24.7	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.8	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.7	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		23.2	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.3	130	ug/Kg
91-20-3	Naphthalene	1100		17.1	130	ug/Kg
106-47-8	4-Chloroaniline	550		26.6	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		19.0	130	ug/Kg
105-60-2	Caprolactam	1300		39.2	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.6	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		19.3	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1600		87.2	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.9	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.9	130	ug/Kg
92-52-4	1,1-Biphenyl	1200		16.4	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.9	130	ug/Kg
88-74-4	2-Nitroaniline	1200		36.2	130	ug/Kg
131-11-3	Dimethylphthalate	1200		20.4	130	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142983.D	1	07/02/25 08:55	07/02/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		21.7	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		25.3	130	ug/Kg
99-09-2	3-Nitroaniline	720		34.6	130	ug/Kg
83-32-9	Acenaphthene	1200		16.0	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	E	170	250	ug/Kg
100-02-7	4-Nitrophenol	1900		80.5	250	ug/Kg
132-64-9	Dibenzofuran	1100		17.1	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		37.7	130	ug/Kg
84-66-2	Diethylphthalate	1200		21.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		20.1	130	ug/Kg
86-73-7	Fluorene	1100		19.0	130	ug/Kg
100-01-6	4-Nitroaniline	1000		48.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		77.5	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		24.7	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		20.9	130	ug/Kg
118-74-1	Hexachlorobenzene	1200		19.0	130	ug/Kg
1912-24-9	Atrazine	1500		25.6	130	ug/Kg
87-86-5	Pentachlorophenol	2300	E	38.6	250	ug/Kg
85-01-8	Phenanthrene	1400		15.7	130	ug/Kg
120-12-7	Anthracene	1200		25.0	130	ug/Kg
86-74-8	Carbazole	1200		23.5	130	ug/Kg
84-74-2	Di-n-butylphthalate	1400		36.0	130	ug/Kg
206-44-0	Fluoranthene	2000	E	22.6	130	ug/Kg
129-00-0	Pyrene	1400		27.1	130	ug/Kg
85-68-7	Butylbenzylphthalate	1200		53.7	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750		27.6	250	ug/Kg
56-55-3	Benzo(a)anthracene	1500		17.3	130	ug/Kg
218-01-9	Chrysene	1500		15.0	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		44.5	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		65.3	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		14.3	130	ug/Kg

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	79.7
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142983.D	1	07/02/25 08:55	07/02/25 21:22	PB168694

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		16.8	130	ug/Kg
50-32-8	Benzo(a)pyrene	1400		22.2	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	860		21.9	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	800		20.6	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	820		19.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		19.3	130	ug/Kg
123-91-1	1,4-Dioxane	900		34.0	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.6	130	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.0		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	73.3		15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.8		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.0		20 - 109	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	61.7		10 - 116	41%	SPK: 150
1718-51-0	Terphenyl-d14	31.4		10 - 105	31%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	59300	6.875			
1146-65-2	Naphthalene-d8	228000	8.157			
15067-26-2	Acenaphthene-d10	114000	9.916			
1517-22-2	Phenanthrene-d10	156000	11.404			
1719-03-5	Chrysene-d12	122000	14.051			
1520-96-3	Perylene-d12	97700	15.545			

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480	3.60
3)		Pyridine		1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205	3.78
4)		n-Nitrosodimet...			0.610	0.617	0.596	0.668	0.632	0.614	0.623	3.98
5)	S	2-Fluorophenol		2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403	4.26
6)		Aniline		1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886	4.41
7)	S	Phenol-d6		3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834	5.53
8)		2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296	4.08
9)		Benzaldehyde			0.988	0.943	0.757	0.832	0.684		0.841	15.02
10)	C	Phenol		1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575	5.31
11)		bis(2-Chloroet...		1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126	3.71
12)		1,3-Dichlorobe...		1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449	4.85
13)	C	1,4-Dichlorobe...		1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462	5.04
14)		1,2-Dichlorobe...		1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387	4.72
15)		Benzyl Alcohol			1.023	1.025	0.976	1.106	1.032	0.985	1.025	4.51
16)		2,2'-oxybis(1-...		1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809	6.12
17)		2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982	4.13
18)		Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511	3.89
19)	P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)		3+4-Methylphenols			1.292	1.262	1.176	1.312	1.197	1.108	1.224	6.36
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441	5.28
23)	S	Nitrobenzene-d5		0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729	3.48
24)		Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330	3.88
25)		Isophorone		0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585	4.17
26)	C	2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180	4.85
27)		2,4-Dimethylph...		0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311	3.99
28)		bis(2-Chloroet...		0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372	4.09
29)	C	2,4-Dichloroph...		0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282	3.77
30)		1,2,4-Trichlor...		0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310	4.26
31)		Naphthalene		1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979	5.46
32)		Benzoic acid			0.118	0.147	0.157	0.181	0.180	0.169	0.159	15.08
33)		4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398	5.26
34)	C	Hexachlorobuta...		0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190	4.30
35)		Caprolactam			0.073	0.075	0.072	0.081	0.078	0.069	0.075	5.84
36)	C	4-Chloro-3-met...		0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281	5.24
37)		2-Methylnaphth...		0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607	6.12
38)		1-Methylnaphth...		0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628	6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27
41)	P	Hexachlorocycl...		0.235	0.308	0.336	0.365	0.376	0.389	0.335	17.02
42)	S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96
43)	C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71
44)		2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95
45)	S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15
46)		1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27
47)		2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50
48)		2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93
49)		Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64
50)		Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17
51)		2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57
52)	C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44
53)		3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52
54)	P	2,4-Dinitrophenol		0.095	0.129	0.142	0.173	0.163	0.152	0.142	19.61
55)		Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13
56)	P	4-Nitrophenol		0.189	0.218	0.208	0.238	0.229	0.203	0.214	8.25
57)		2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90
58)		Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58
59)		2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43
60)		Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50
61)		4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64
62)		4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48
63)		Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.119	0.119	0.134	0.130	0.125	0.121	10.04
66)	c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07
67)		4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03
68)		Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29
69)		Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48
70)	C	Pentachlorophenol		0.102	0.119	0.125	0.142	0.135	0.133	0.126	11.30
71)		Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24
72)		Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35
73)		Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67
74)		Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92
75)	C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.745	0.860	0.773	0.824	0.719	0.587	0.751	12.71
78)		Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43
79)	S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30
80)		Butylbenzylpht...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01
81)		Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98
82)		3,3'-Dichlorob...		0.398	0.440	0.429	0.476	0.445	0.438	0.438	5.73
83)		Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17
84)		Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52
85)	c	Di-n-octyl pht...		1.207	1.352	1.463	1.610	1.569	1.651	1.475	11.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)		Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)		Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90)	C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)		Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)		Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/02/2025 11:41

Lab File ID: BF142964.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.175		-2.2	
Benzaldehyde	0.841	0.869		3.3	
Phenol-d6	1.417	1.364		-3.7	
Phenol	1.575	1.528		-3.0	20.0
bis(2-Chloroethyl)ether	1.126	1.072		-4.8	
2-Chlorophenol	1.296	1.252		-3.4	
2-Methylphenol	0.982	0.951		-3.2	
2,2-oxybis(1-Chloropropane)	1.809	1.643		-9.2	
Acetophenone	0.441	0.428		-2.9	
3+4-Methylphenols	1.224	1.220		-0.3	
n-Nitroso-di-n-propylamine	0.824	0.806	0.050	-2.2	
Nitrobenzene-d5	0.365	0.381		4.4	
Hexachloroethane	0.511	0.505		-1.2	
Nitrobenzene	0.330	0.320		-3.0	
Isophorone	0.585	0.565		-3.4	
2-Nitrophenol	0.180	0.179		-0.6	20.0
2,4-Dimethylphenol	0.311	0.301		-3.2	
bis(2-Chloroethoxy)methane	0.372	0.360		-3.2	
2,4-Dichlorophenol	0.282	0.275		-2.5	20.0
Naphthalene	0.979	0.947		-3.3	
4-Chloroaniline	0.398	0.390		-2.0	
Hexachlorobutadiene	0.190	0.186		-2.1	20.0
Caprolactam	0.075	0.075		0.0	
4-Chloro-3-methylphenol	0.281	0.275		-2.1	20.0
2-Methylnaphthalene	0.607	0.601		-1.0	
Hexachlorocyclopentadiene	0.335	0.265	0.050	-20.9	
2,4,6-Trichlorophenol	0.385	0.371		-3.6	20.0
2-Fluorobiphenyl	1.522	1.598		5.0	
2,4,5-Trichlorophenol	0.405	0.391		-3.5	
1,1-Biphenyl	1.580	1.544		-2.3	
2-Chloronaphthalene	1.186	1.140		-3.9	
2-Nitroaniline	0.332	0.326		-1.8	
Dimethylphthalate	1.295	1.269		-2.0	
Acenaphthylene	1.952	1.901		-2.6	
2,6-Dinitrotoluene	0.284	0.284		0.0	
3-Nitroaniline	0.313	0.313		0.0	
Acenaphthene	1.191	1.162		-2.4	20.0
2,4-Dinitrophenol	0.142	0.122	0.050	-14.1	
4-Nitrophenol	0.214	0.246	0.050	15.0	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/02/2025 11:41

Lab File ID: BF142964.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.651		-3.3	
2,4-Dinitrotoluene	0.378	0.373		-1.3	
Diethylphthalate	1.269	1.281		0.9	
4-Chlorophenyl-phenylether	0.636	0.631		-0.8	
Fluorene	1.334	1.313		-1.6	
4-Nitroaniline	0.286	0.291		1.7	
4,6-Dinitro-2-methylphenol	0.121	0.113		-6.6	
n-Nitrosodiphenylamine	0.693	0.673		-2.9	20.0
2,4,6-Tribromophenol	0.206	0.203		-1.5	
4-Bromophenyl-phenylether	0.228	0.223		-2.2	
Hexachlorobenzene	0.253	0.240		-5.1	
Atrazine	0.179	0.188		5.0	
Pentachlorophenol	0.126	0.112		-11.1	20.0
Phenanthrene	1.083	1.038		-4.2	
Anthracene	1.111	1.071		-3.6	
Carbazole	0.959	0.921		-4.0	
Di-n-butylphthalate	0.999	1.051		5.2	
Fluoranthene	1.028	0.992		-3.5	20.0
Pyrene	1.875	1.887		0.6	
Terphenyl-d14	1.447	1.366		-5.6	
Butylbenzylphthalate	0.544	0.594		9.2	
3,3-Dichlorobenzidine	0.438	0.424		-3.2	
Benzo(a)anthracene	1.349	1.348		-0.1	
Chrysene	1.204	1.123		-6.7	
Bis(2-ethylhexyl)phthalate	0.782	0.847		8.3	
Di-n-octyl phthalate	1.475	1.461		-0.9	20.0
Benzo(b)fluoranthene	1.157	1.268		9.6	
Benzo(k)fluoranthene	1.083	1.006		-7.1	
Benzo(a)pyrene	1.118	1.116		-0.2	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.408		-7.6	
Dibenzo(a,h)anthracene	1.238	1.141		-7.8	
Benzo(g,h,i)perylene	1.234	1.137		-7.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.588		-0.3	
1,4-Dioxane	0.480	0.432		-10.0	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.315		-3.4	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/03/2025 09:55

Lab File ID: BF142987.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.155		-3.8	
Benzaldehyde	0.841	0.872		3.7	
Phenol-d6	1.417	1.350		-4.7	
Phenol	1.575	1.488		-5.5	20.0
bis(2-Chloroethyl)ether	1.126	1.068		-5.2	
2-Chlorophenol	1.296	1.258		-2.9	
2-Methylphenol	0.982	0.942		-4.1	
2,2-oxybis(1-Chloropropane)	1.809	1.607		-11.2	
Acetophenone	0.441	0.435		-1.4	
3+4-Methylphenols	1.224	1.205		-1.6	
n-Nitroso-di-n-propylamine	0.824	0.783	0.050	-5.0	
Nitrobenzene-d5	0.365	0.383		4.9	
Hexachloroethane	0.511	0.494		-3.3	
Nitrobenzene	0.330	0.319		-3.3	
Isophorone	0.585	0.556		-5.0	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.311	0.288		-7.4	
bis(2-Chloroethoxy)methane	0.372	0.360		-3.2	
2,4-Dichlorophenol	0.282	0.274		-2.8	20.0
Naphthalene	0.979	0.960		-1.9	
4-Chloroaniline	0.398	0.386		-3.0	
Hexachlorobutadiene	0.190	0.191		0.5	20.0
Caprolactam	0.075	0.071		-5.3	
4-Chloro-3-methylphenol	0.281	0.270		-3.9	20.0
2-Methylnaphthalene	0.607	0.585		-3.6	
Hexachlorocyclopentadiene	0.335	0.268	0.050	-20.0	
2,4,6-Trichlorophenol	0.385	0.379		-1.6	20.0
2-Fluorobiphenyl	1.522	1.626		6.8	
2,4,5-Trichlorophenol	0.405	0.404		-0.2	
1,1-Biphenyl	1.580	1.566		-0.9	
2-Chloronaphthalene	1.186	1.170		-1.3	
2-Nitroaniline	0.332	0.323		-2.7	
Dimethylphthalate	1.295	1.278		-1.3	
Acenaphthylene	1.952	1.899		-2.7	
2,6-Dinitrotoluene	0.284	0.278		-2.1	
3-Nitroaniline	0.313	0.303		-3.2	
Acenaphthene	1.191	1.172		-1.6	20.0
2,4-Dinitrophenol	0.142	0.131	0.050	-7.7	
4-Nitrophenol	0.214	0.226	0.050	5.6	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/03/2025 09:55

Lab File ID: BF142987.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.633		-4.4	
2,4-Dinitrotoluene	0.378	0.365		-3.4	
Diethylphthalate	1.269	1.256		-1.0	
4-Chlorophenyl-phenylether	0.636	0.627		-1.4	
Fluorene	1.334	1.318		-1.2	
4-Nitroaniline	0.286	0.271		-5.2	
4,6-Dinitro-2-methylphenol	0.121	0.117		-3.3	
n-Nitrosodiphenylamine	0.693	0.695		0.3	20.0
2,4,6-Tribromophenol	0.206	0.200		-2.9	
4-Bromophenyl-phenylether	0.228	0.231		1.3	
Hexachlorobenzene	0.253	0.247		-2.4	
Atrazine	0.179	0.189		5.6	
Pentachlorophenol	0.126	0.112		-11.1	20.0
Phenanthrene	1.083	1.056		-2.5	
Anthracene	1.111	1.095		-1.4	
Carbazole	0.959	0.918		-4.3	
Di-n-butylphthalate	0.999	1.042		4.3	
Fluoranthene	1.028	0.963		-6.3	20.0
Pyrene	1.875	1.861		-0.7	
Terphenyl-d14	1.447	1.388		-4.1	
Butylbenzylphthalate	0.544	0.616		13.2	
3,3-Dichlorobenzidine	0.438	0.467		6.6	
Benzo(a)anthracene	1.349	1.360		0.8	
Chrysene	1.204	1.153		-4.2	
Bis(2-ethylhexyl)phthalate	0.782	0.921		17.8	
Di-n-octyl phthalate	1.475	1.699		15.2	20.0
Benzo(b)fluoranthene	1.157	1.162		0.4	
Benzo(k)fluoranthene	1.083	1.015		-6.3	
Benzo(a)pyrene	1.118	1.091		-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.412		-7.3	
Dibenzo(a,h)anthracene	1.238	1.144		-7.6	
Benzo(g,h,i)perylene	1.234	1.104		-10.5	
1,2,4,5-Tetrachlorobenzene	0.590	0.594		0.7	
1,4-Dioxane	0.480	0.430		-10.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.310		-4.9	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/07/2025 12:12

Lab File ID: BF143003.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.159		-3.5	
Benzaldehyde	0.841	0.897		6.7	
Phenol-d6	1.417	1.363		-3.8	
Phenol	1.575	1.512		-4.0	20.0
bis(2-Chloroethyl)ether	1.126	1.086		-3.6	
2-Chlorophenol	1.296	1.244		-4.0	
2-Methylphenol	0.982	0.979		-0.3	
2,2-oxybis(1-Chloropropane)	1.809	1.645		-9.1	
Acetophenone	0.441	0.434		-1.6	
3+4-Methylphenols	1.224	1.224		0.0	
n-Nitroso-di-n-propylamine	0.824	0.811	0.050	-1.6	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.511	0.506		-1.0	
Nitrobenzene	0.330	0.319		-3.3	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.184		2.2	20.0
2,4-Dimethylphenol	0.311	0.300		-3.5	
bis(2-Chloroethoxy)methane	0.372	0.368		-1.1	
2,4-Dichlorophenol	0.282	0.278		-1.4	20.0
Naphthalene	0.979	0.963		-1.6	
4-Chloroaniline	0.398	0.370		-7.0	
Hexachlorobutadiene	0.190	0.191		0.5	20.0
Caprolactam	0.075	0.072		-4.0	
4-Chloro-3-methylphenol	0.281	0.276		-1.8	20.0
2-Methylnaphthalene	0.607	0.593		-2.3	
Hexachlorocyclopentadiene	0.335	0.343	0.050	2.4	
2,4,6-Trichlorophenol	0.385	0.364		-5.5	20.0
2-Fluorobiphenyl	1.522	1.599		5.1	
2,4,5-Trichlorophenol	0.405	0.378		-6.7	
1,1-Biphenyl	1.580	1.546		-2.2	
2-Chloronaphthalene	1.186	1.160		-2.2	
2-Nitroaniline	0.332	0.322		-3.0	
Dimethylphthalate	1.295	1.251		-3.4	
Acenaphthylene	1.952	1.905		-2.4	
2,6-Dinitrotoluene	0.284	0.276		-2.8	
3-Nitroaniline	0.313	0.297		-5.1	
Acenaphthene	1.191	1.193		0.2	20.0
2,4-Dinitrophenol	0.142	0.169	0.050	19.0	
4-Nitrophenol	0.214	0.207	0.050	-3.3	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/07/2025 12:12

Lab File ID: BF143003.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.645		-3.7	
2,4-Dinitrotoluene	0.378	0.360		-4.8	
Diethylphthalate	1.269	1.220		-3.9	
4-Chlorophenyl-phenylether	0.636	0.616		-3.1	
Fluorene	1.334	1.274		-4.5	
4-Nitroaniline	0.286	0.265		-7.3	
4,6-Dinitro-2-methylphenol	0.121	0.121		0.0	
n-Nitrosodiphenylamine	0.693	0.704		1.6	20.0
2,4,6-Tribromophenol	0.206	0.187		-9.2	
4-Bromophenyl-phenylether	0.228	0.232		1.8	
Hexachlorobenzene	0.253	0.255		0.8	
Atrazine	0.179	0.184		2.8	
Pentachlorophenol	0.126	0.143		13.5	20.0
Phenanthrene	1.083	1.050		-3.0	
Anthracene	1.111	1.081		-2.7	
Carbazole	0.959	0.888		-7.4	
Di-n-butylphthalate	0.999	1.010		1.1	
Fluoranthene	1.028	0.933		-9.2	20.0
Pyrene	1.875	1.782		-5.0	
Terphenyl-d14	1.447	1.318		-8.9	
Butylbenzylphthalate	0.544	0.602		10.7	
3,3-Dichlorobenzidine	0.438	0.480		9.6	
Benzo(a)anthracene	1.349	1.319		-2.2	
Chrysene	1.204	1.216		1.0	
Bis(2-ethylhexyl)phthalate	0.782	0.919		17.5	
Di-n-octyl phthalate	1.475	1.705		15.6	20.0
Benzo(b)fluoranthene	1.157	1.189		2.8	
Benzo(k)fluoranthene	1.083	1.000		-7.7	
Benzo(a)pyrene	1.118	1.099		-1.7	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.334		-12.4	
Dibenzo(a,h)anthracene	1.238	1.100		-11.1	
Benzo(g,h,i)perylene	1.234	1.044		-15.4	
1,2,4,5-Tetrachlorobenzene	0.590	0.592		0.3	
1,4-Dioxane	0.480	0.430		-10.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.293		-10.1	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/08/2025 10:54

Lab File ID: BF143025.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.183		-1.5	
Benzaldehyde	0.841	0.903		7.4	
Phenol-d6	1.417	1.384		-2.3	
Phenol	1.575	1.550		-1.6	20.0
bis(2-Chloroethyl)ether	1.126	1.102		-2.1	
2-Chlorophenol	1.296	1.276		-1.5	
2-Methylphenol	0.982	0.973		-0.9	
2,2-oxybis(1-Chloropropane)	1.809	1.645		-9.1	
Acetophenone	0.441	0.431		-2.3	
3+4-Methylphenols	1.224	1.225		0.1	
n-Nitroso-di-n-propylamine	0.824	0.805	0.050	-2.3	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.511	0.498		-2.5	
Nitrobenzene	0.330	0.315		-4.5	
Isophorone	0.585	0.566		-3.2	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.311	0.301		-3.2	
bis(2-Chloroethoxy)methane	0.372	0.361		-3.0	
2,4-Dichlorophenol	0.282	0.275		-2.5	20.0
Naphthalene	0.979	0.952		-2.8	
4-Chloroaniline	0.398	0.391		-1.8	
Hexachlorobutadiene	0.190	0.185		-2.6	20.0
Caprolactam	0.075	0.078		4.0	
4-Chloro-3-methylphenol	0.281	0.276		-1.8	20.0
2-Methylnaphthalene	0.607	0.594		-2.1	
Hexachlorocyclopentadiene	0.335	0.341	0.050	1.8	
2,4,6-Trichlorophenol	0.385	0.367		-4.7	20.0
2-Fluorobiphenyl	1.522	1.552		2.0	
2,4,5-Trichlorophenol	0.405	0.383		-5.4	
1,1-Biphenyl	1.580	1.507		-4.6	
2-Chloronaphthalene	1.186	1.125		-5.1	
2-Nitroaniline	0.332	0.326		-1.8	
Dimethylphthalate	1.295	1.287		-0.6	
Acenaphthylene	1.952	1.854		-5.0	
2,6-Dinitrotoluene	0.284	0.279		-1.8	
3-Nitroaniline	0.313	0.304		-2.9	
Acenaphthene	1.191	1.180		-0.9	20.0
2,4-Dinitrophenol	0.142	0.188	0.050	32.4	
4-Nitrophenol	0.214	0.259	0.050	21.0	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG No.: Q2473

Instrument ID: BNA_F Calibration Date/Time: 07/08/2025 10:54

Lab File ID: BF143025.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.634		-4.3	
2,4-Dinitrotoluene	0.378	0.376		-0.5	
Diethylphthalate	1.269	1.241		-2.2	
4-Chlorophenyl-phenylether	0.636	0.623		-2.0	
Fluorene	1.334	1.302		-2.4	
4-Nitroaniline	0.286	0.282		-1.4	
4,6-Dinitro-2-methylphenol	0.121	0.120		-0.8	
n-Nitrosodiphenylamine	0.693	0.683		-1.4	20.0
2,4,6-Tribromophenol	0.206	0.200		-2.9	
4-Bromophenyl-phenylether	0.228	0.230		0.9	
Hexachlorobenzene	0.253	0.251		-0.8	
Atrazine	0.179	0.189		5.6	
Pentachlorophenol	0.126	0.185		46.8	20.0
Phenanthrene	1.083	1.051		-3.0	
Anthracene	1.111	1.089		-2.0	
Carbazole	0.959	0.908		-5.3	
Di-n-butylphthalate	0.999	1.022		2.3	
Fluoranthene	1.028	0.959		-6.7	20.0
Pyrene	1.875	2.136		13.9	
Terphenyl-d14	1.447	1.536		6.2	
Butylbenzylphthalate	0.544	0.573		5.3	
3,3-Dichlorobenzidine	0.438	0.444		1.4	
Benzo(a)anthracene	1.349	1.310		-2.9	
Chrysene	1.204	1.161		-3.6	
Bis(2-ethylhexyl)phthalate	0.782	0.775		-0.9	
Di-n-octyl phthalate	1.475	1.479		0.3	20.0
Benzo(b)fluoranthene	1.157	1.133		-2.1	
Benzo(k)fluoranthene	1.083	0.990		-8.6	
Benzo(a)pyrene	1.118	1.090		-2.5	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.509		-0.9	
Dibenzo(a,h)anthracene	1.238	1.206		-2.6	
Benzo(g,h,i)perylene	1.234	1.198		-2.9	
1,2,4,5-Tetrachlorobenzene	0.590	0.574		-2.7	
1,4-Dioxane	0.480	0.434		-9.6	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.307		-5.8	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2473 **Order ID:** Q2473

Client: JPCL Engineering **Project ID:** NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073457.D	1	07/02/25 08:25	07/02/25 16:03	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	18.9	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.9	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.9	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	18.9	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	18.9	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	18.9	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	18.9	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.9	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		32 - 144	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		32 - 175	117%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073458.D	1	07/02/25 08:25	07/02/25 16:19	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.40	U	4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.8	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	18.8	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	18.8	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	18.8	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.6		32 - 144	118%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.8		32 - 175	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	88.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073459.D	1	07/02/25 08:25	07/02/25 16:36	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	19.2	ug/kg
11104-28-2	Aroclor-1221	4.60	U	4.60	19.2	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.2	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.2	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.2	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.2	ug/kg
37324-23-5	Aroclor-1262	5.70	U	5.70	19.2	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	19.2	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		32 - 175	94%	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
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J = Estimated Value
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073460.D	1	07/02/25 08:25	07/02/25 16:53	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		32 - 175	93%	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
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() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP073412.D	PIBLK-PP073412.D	Tetrachloro-m-xyl	1	20	16.6	83		60	140
		Decachlorobiphen	1	20	15.7	78		60	140
		Tetrachloro-m-xyl	2	20	16.5	83		60	140
		Decachlorobiphen	2	20	16.5	82		60	140
I.BLK-PP073452.D	PIBLK-PP073452.D	Tetrachloro-m-xyl	1	20	19.5	98		60	140
		Decachlorobiphen	1	20	19.2	96		60	140
		Tetrachloro-m-xyl	2	20	16.9	85		60	140
		Decachlorobiphen	2	20	19.0	95		60	140
PB168692BL	PB168692BL	Tetrachloro-m-xyl	1	20	21.8	109		32	144
		Decachlorobiphen	1	20	21.3	106		32	175
		Tetrachloro-m-xyl	2	20	16.5	82		32	144
		Decachlorobiphen	2	20	20.7	103		32	175
PB168692BS	PB168692BS	Tetrachloro-m-xyl	1	20	23.0	115		32	144
		Decachlorobiphen	1	20	22.2	111		32	175
		Tetrachloro-m-xyl	2	20	18.5	93		32	144
		Decachlorobiphen	2	20	22.0	110		32	175
Q2473-01	PIT#1	Tetrachloro-m-xyl	1	20	22.9	115		32	144
		Decachlorobiphen	1	20	23.3	117		32	175
		Tetrachloro-m-xyl	2	20	21.8	109		32	144
		Decachlorobiphen	2	20	22.1	111		32	175
Q2473-02	PIT#2	Tetrachloro-m-xyl	1	20	23.6	118		32	144
		Decachlorobiphen	1	20	21.4	107		32	175
		Tetrachloro-m-xyl	2	20	22.0	110		32	144
		Decachlorobiphen	2	20	21.8	109		32	175
Q2473-03	PIT#3	Tetrachloro-m-xyl	1	20	20.4	102		32	144
		Decachlorobiphen	1	20	18.0	90		32	175
		Tetrachloro-m-xyl	2	20	21.5	107		32	144
		Decachlorobiphen	2	20	18.8	94		32	175
Q2473-04	PIT#4	Tetrachloro-m-xyl	1	20	20.2	101		32	144
		Decachlorobiphen	1	20	13.6	68		32	175
		Tetrachloro-m-xyl	2	20	21.1	106		32	144
		Decachlorobiphen	2	20	18.6	93		32	175
Q2473-04MS	PIT#4MS	Tetrachloro-m-xyl	1	20	20.6	103		32	144
		Decachlorobiphen	1	20	18.3	92		32	175
		Tetrachloro-m-xyl	2	20	21.1	106		32	144
		Decachlorobiphen	2	20	20.1	101		32	175
Q2473-04MSD	PIT#4MSD	Tetrachloro-m-xyl	1	20	19.2	96		32	144
		Decachlorobiphen	1	20	16.4	82		32	175
		Tetrachloro-m-xyl	2	20	19.6	98		32	144
		Decachlorobiphen	2	20	18.9	94		32	175
I.BLK-PP073467.D	PIBLK-PP073467.D	Tetrachloro-m-xyl	1	20	16.7	84		60	140

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Surrogate Summary

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PP073467.D	PIBLK-PP073467.D	Decachlorobiphen	1	20	15.8	79		60	140
		Tetrachloro-m-xyl	2	20	18.1	90		60	140
		Decachlorobiphen	2	20	18.3	91		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8082A

Client: JPCL Engineering **DataFile :** PP073461.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2473-04MS (Column 1)**	**Client Sample ID:**		**PIT#4MS**								
	AR1016	183.4	0	194	ug/kg	106				55	146	
	AR1260	183.4	0	158	ug/kg	86				54	119	
Lab Sample ID:	**Q2473-04MS (Column 2)**	**Client Sample ID:**		**PIT#4MS**								
	AR1016	183.4	0	184	ug/kg	100				55	146	
	AR1260	183.4	0	156	ug/kg	85				54	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8082A

Client: JPCL Engineering **DataFile :** PP073462.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2473-04MSD (Column 1)**	**Client Sample ID:**		**PIT#4MSD**								
	AR1016	183.5	0	179	ug/kg	98		8		55	146	15
	AR1260	183.5	0	147	ug/kg	80		7		54	119	15
Lab Sample ID:	**Q2473-04MSD (Column 2)**	**Client Sample ID:**		**PIT#4MSD**								
	AR1016	183.5	0	176	ug/kg	96		4		55	146	15
	AR1260	183.5	0	149	ug/kg	81		5		54	119	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8082A

Client: JPCL Engineering **Datafile :** PP073455.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168692BS (Column 1)	AR1016	166.6	186	ug/kg	112				71	120	
	AR1260	166.6	173	ug/kg	104				65	130	
PB168692BS (Column 2)	AR1016	166.6	160	ug/kg	96				71	120	
	AR1260	166.6	157	ug/kg	94				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168692BL

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab Sample ID: PB168692BL | Lab File ID: PP073454.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/02/2025

Date Analyzed (1): 07/02/2025 | Date Analyzed (2): 07/02/2025

Time Analyzed (1): 15:14 | Time Analyzed (2): 15:14

Instrument ID (1): ECD_P | Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168692BS	PB168692BS	PP073455.D	07/02/2025	07/02/2025
PIT#1	Q2473-01	PP073457.D	07/02/2025	07/02/2025
PIT#2	Q2473-02	PP073458.D	07/02/2025	07/02/2025
PIT#3	Q2473-03	PP073459.D	07/02/2025	07/02/2025
PIT#4	Q2473-04	PP073460.D	07/02/2025	07/02/2025
PIT#4MS	Q2473-04MS	PP073461.D	07/02/2025	07/02/2025
PIT#4MSD	Q2473-04MSD	PP073462.D	07/02/2025	07/02/2025

COMMENTS:

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Instrument ID: ECD_P **Calibration Date(s):** 07/01/2025 07/01/2025

Calibration Times: 14:04 21:30

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP073413.D RT 750 = PP073414.D

RT 500 = PP073415.D RT 250 = PP073416.D RT 050 = PP073417.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.65	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1016-2	(2)	5.67	5.66	5.67	5.66	5.66	5.66	5.56	5.76
Aroclor-1016-3	(3)	5.73	5.72	5.73	5.72	5.73	5.73	5.63	5.83
Aroclor-1016-4	(4)	5.83	5.82	5.83	5.82	5.82	5.82	5.72	5.92
Aroclor-1016-5	(5)	6.12	6.11	6.12	6.11	6.12	6.12	6.02	6.22
Aroclor-1260-1	(1)	7.24	7.23	7.23	7.23	7.23	7.23	7.13	7.33
Aroclor-1260-2	(2)	7.49	7.48	7.49	7.48	7.49	7.49	7.39	7.59
Aroclor-1260-3	(3)	7.85	7.84	7.85	7.84	7.84	7.85	7.75	7.95
Aroclor-1260-4	(4)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1260-5	(5)	8.39	8.38	8.39	8.38	8.39	8.39	8.29	8.49
Decachlorobiphenyl		10.19	10.18	10.19	10.18	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene		4.50	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1242-1	(1)	5.64	5.64	5.65	5.64	5.64	5.64	5.54	5.74
Aroclor-1242-2	(2)	5.67	5.66	5.67	5.66	5.67	5.66	5.56	5.76
Aroclor-1242-3	(3)	5.73	5.72	5.73	5.72	5.73	5.73	5.63	5.83
Aroclor-1242-4	(4)	5.82	5.82	5.83	5.82	5.83	5.82	5.72	5.92
Aroclor-1242-5	(5)	6.55	6.55	6.56	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.19	10.18	10.19	10.18	10.19	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1248-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1248-2	(2)	5.91	5.91	5.91	5.92	5.91	5.91	5.81	6.01
Aroclor-1248-3	(3)	6.12	6.12	6.11	6.12	6.12	6.12	6.02	6.22
Aroclor-1248-4	(4)	6.51	6.51	6.51	6.52	6.51	6.51	6.41	6.61
Aroclor-1248-5	(5)	6.55	6.55	6.55	6.56	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.18	10.18	10.18	10.19	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1254-1	(1)	6.49	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Aroclor-1254-2	(2)	6.70	6.71	6.71	6.70	6.70	6.71	6.61	6.81
Aroclor-1254-3	(3)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1254-4	(4)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Aroclor-1254-5	(5)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Decachlorobiphenyl		10.18	10.18	10.18	10.18	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1268-1	(1)	8.70	8.69	8.70	8.69	8.69	8.69	8.59	8.79
Aroclor-1268-2	(2)	8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Aroclor-1268-3	(3)	9.02	9.01	9.02	9.02	9.01	9.02	8.92	9.12
Aroclor-1268-4	(4)	9.44	9.43	9.44	9.43	9.43	9.43	9.33	9.53
Aroclor-1268-5	(5)	9.85	9.84	9.85	9.84	9.84	9.84	9.74	9.94

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.18	10.18	10.18	10.18	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene	4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Instrument ID: ECD_P **Calibration Date(s):** 07/01/2025 07/01/2025

Calibration Times: 14:04 21:30

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PP073413.D RT 750 = PP073414.D

RT 500 = PP073415.D RT 250 = PP073416.D RT 050 = PP073417.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.87	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1016-2	(2)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1016-4	(4)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1016-5	(5)	5.32	5.32	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1260-1	(1)	6.35	6.35	6.34	6.34	6.34	6.35	6.25	6.45
Aroclor-1260-2	(2)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1260-3	(3)	6.69	6.69	6.69	6.68	6.68	6.69	6.59	6.79
Aroclor-1260-4	(4)	7.16	7.16	7.15	7.15	7.15	7.15	7.05	7.25
Aroclor-1260-5	(5)	7.40	7.40	7.40	7.40	7.40	7.40	7.30	7.50
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.79	3.79	3.79	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-1	(1)	4.87	4.87	4.87	4.86	4.87	4.87	4.77	4.97
Aroclor-1242-2	(2)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-3	(3)	5.06	5.06	5.06	5.06	5.06	5.06	4.96	5.16
Aroclor-1242-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1242-5	(5)	5.67	5.66	5.67	5.66	5.67	5.67	5.57	5.77
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.79	3.79	3.79	3.78	3.78	3.79	3.69	3.89
Aroclor-1248-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1248-2	(2)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1248-3	(3)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-4	(4)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1248-5	(5)	5.70	5.71	5.70	5.70	5.71	5.70	5.60	5.80
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.78	3.79	3.79	3.78	3.78	3.78	3.68	3.88
Aroclor-1254-1	(1)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1254-2	(2)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1254-3	(3)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1254-4	(4)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1254-5	(5)	6.86	6.86	6.86	6.86	6.86	6.86	6.76	6.96
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1268-1	(1)	7.68	7.68	7.68	7.67	7.68	7.68	7.58	7.78
Aroclor-1268-2	(2)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-3	(3)	7.94	7.94	7.94	7.94	7.94	7.94	7.84	8.04
Aroclor-1268-4	(4)	8.24	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Aroclor-1268-5	(5)	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 07/01/2025 07/01/2025
Calibration Times: 14:04 21:30

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP073413.D CF 750 = PP073414.D
CF 500 = PP073415.D CF 250 = PP073416.D CF 050 = PP073417.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	53386559	55099693	57782372	61225280	46407680	54780317	10
Aroclor-1016-2	(2)	81419554	84803241	87804568	91506020	68225200	82751717	11
Aroclor-1016-3	(3)	50608265	52725643	55448056	56692696	48292660	52753464	7
Aroclor-1016-4	(4)	42447376	44200837	45284776	46593636	41594580	44024241	5
Aroclor-1016-5	(5)	38953823	39611271	42379456	43518084	36573140	40207155	7
Aroclor-1260-1	(1)	68843805	71260640	74149802	78663704	63647180	71313026	8
Aroclor-1260-2	(2)	99938528	104203213	107495204	111625928	102293820	105111339	4
Aroclor-1260-3	(3)	89992879	93711335	96595022	99925392	80545180	92153962	8
Aroclor-1260-4	(4)	83642835	85762545	90344816	93589416	88452740	88358470	4
Aroclor-1260-5	(5)	193274824	198819536	203197892	204345800	186020600	197131730	4
Decachlorobiphenyl		1421650480	1468921840	1501094120	1508618080	1204671600	1420991224	9
Tetrachloro-m-xylene		1570855440	1622793880	1655550080	1703062440	1429208000	1596293968	7
Aroclor-1242-1	(1)	47425724	48267568	50545606	53677172	54137380	50810690	6
Aroclor-1242-2	(2)	70605687	73942651	77425488	81332260	75817440	75824705	5
Aroclor-1242-3	(3)	43609661	45342768	48170240	50661632	52400880	48037036	8
Aroclor-1242-4	(4)	36635769	38015049	40483084	41469592	35926280	38505955	6
Aroclor-1242-5	(5)	40193741	40353568	44121034	48899828	38950680	42503770	10
Decachlorobiphenyl		1442761550	1502718333	1602192620	1540462680	1255271200	1468681277	9
Tetrachloro-m-xylene		1577761690	1632079280	1703090600	1745443160	1445015600	1620678066	7
Aroclor-1248-1	(1)	36440017	38150569	37262436	41452096	42286380	39118300	7
Aroclor-1248-2	(2)	48329662	50547713	48827254	51778388	58562440	51609091	8
Aroclor-1248-3	(3)	56570945	58408187	55042098	60722368	52592180	56667156	5
Aroclor-1248-4	(4)	68098333	70673667	69108470	75950940	68089760	70384234	5
Aroclor-1248-5	(5)	66645751	68842209	72410538	75877756	66165900	69988431	6
Decachlorobiphenyl		1508523030	1525420920	1478881260	1540009680	1268070800	1464181138	8
Tetrachloro-m-xylene		1604315820	1641926027	1551741820	1680674040	1394949600	1574721461	7
Aroclor-1254-1	(1)	63999015	67834332	69607928	76054128	77161340	70931349	8
Aroclor-1254-2	(2)	96232579	100969377	102890118	110292084	105313160	103139464	5
Aroclor-1254-3	(3)	103352127	108143771	111397258	116883672	128608440	113677054	9
Aroclor-1254-4	(4)	94005550	97663439	99341056	103690768	102730340	99486231	4
Aroclor-1254-5	(5)	92682459	96038677	97662174	101007260	86476540	94773422	6
Decachlorobiphenyl		1481522320	1524577613	1557007420	1588915360	1260352600	1482475063	9
Tetrachloro-m-xylene		1577655960	1644831773	1681333000	1765332680	1403156000	1614461883	8
Aroclor-1268-1	(1)	286615327	289052520	307483458	294851244	261364480	287873406	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	247916720	251358060	266224964	254365208	227947580	249562506	6
Aroclor-1268-3	(3)	214702422	217599913	228686398	224788636	214260700	220007614	3
Aroclor-1268-4	(4)	94022064	94827915	98593676	96762032	95146280	95870393	2
Aroclor-1268-5	(5)	630910741	636564881	660765348	643855636	546333060	623685933	7
Decachlorobiphenyl		2657569150	2696505867	2841581440	2789411560	2581412800	2713296163	4
Tetrachloro-m-xylene		1617584630	1640463653	1736400760	1565046840	1414382600	1594775697	7

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 07/01/2025 07/01/2025
Calibration Times: 14:04 21:30

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PP073413.D CF 750 = PP073414.D
CF 500 = PP073415.D CF 250 = PP073416.D CF 050 = PP073417.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	60174256	61652469	65707278	68697472	65429740	64332243	5
Aroclor-1016-2	(2)	89553215	90849693	97911362	103104680	95117320	95307254	6
Aroclor-1016-3	(3)	47760737	49133169	52363984	54033520	48807740	50419830	5
Aroclor-1016-4	(4)	37669371	39135572	42081524	43824204	40567820	40655698	6
Aroclor-1016-5	(5)	47972255	50349676	52978140	55111404	49824240	51247143	5
Aroclor-1260-1	(1)	85568106	92077153	95044522	97896916	90806160	92278571	5
Aroclor-1260-2	(2)	108395053	116492717	118624236	124712828	149744620	123593891	13
Aroclor-1260-3	(3)	95898053	104470747	101583108	105339980	93078140	100074006	5
Aroclor-1260-4	(4)	80000894	88722875	88003890	92045480	85312820	86817192	5
Aroclor-1260-5	(5)	209936846	226978429	216526966	226226544	211143860	218162529	4
Decachlorobiphenyl		1302456510	1414774613	1409048440	1485562240	1306412800	1383650921	6
Tetrachloro-m-xylene		1683025650	1786408827	1870928320	1901739040	1625568400	1773534047	7
Aroclor-1242-1	(1)	53280276	54693765	57617080	61835324	64576540	58400597	8
Aroclor-1242-2	(2)	82972139	81931147	87183548	91968308	87325500	86276128	5
Aroclor-1242-3	(3)	43743631	44030816	46799620	49550292	45297760	45884424	5
Aroclor-1242-4	(4)	41461297	42081584	45095442	47293720	43617680	43909945	5
Aroclor-1242-5	(5)	51909044	52967295	56730582	58513352	53462900	54716635	5
Decachlorobiphenyl		1424340080	1450974107	1528503620	1587816400	1352590800	1468845001	6
Tetrachloro-m-xylene		1883010450	1853943080	1918709500	1895172800	1684617400	1847090646	5
Aroclor-1248-1	(1)	42033623	43840621	39115776	46220760	48755960	43993348	8
Aroclor-1248-2	(2)	56827314	59455616	53089712	62482184	62673780	58905721	7
Aroclor-1248-3	(3)	59385868	61829628	53385880	64667732	62511060	60356034	7
Aroclor-1248-4	(4)	69578975	73002957	62777516	76679148	74543860	71316491	8
Aroclor-1248-5	(5)	72773558	74108969	70322374	77425468	73121080	73550290	4
Decachlorobiphenyl		1468137220	1389834400	1323620360	1545387480	1355376400	1416471172	6
Tetrachloro-m-xylene		1847505480	1847210627	1653069040	1807521240	1622513400	1755563957	6
Aroclor-1254-1	(1)	102934304	106592511	109028100	120731728	108455860	109548501	6
Aroclor-1254-2	(2)	89245302	92663879	94367858	105277948	103354040	96981805	7
Aroclor-1254-3	(3)	143533516	146102655	147782620	161681172	137594340	147338861	6
Aroclor-1254-4	(4)	87925313	92026563	91978244	100743696	78450540	90224871	9
Aroclor-1254-5	(5)	128472976	133438536	132590836	139444940	131430380	133075534	3
Decachlorobiphenyl		1365268720	1441926987	1465541720	1569805360	1402613400	1449031237	5
Tetrachloro-m-xylene		1755103800	1814214613	1848619580	1928531480	1514798800	1772253655	9
Aroclor-1268-1	(1)	282614813	303950412	304406056	299862664	286285140	295423817	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	251131090	270626467	272094030	267509272	248303600	261932892	4
Aroclor-1268-3	(3)	211302857	228722700	230182198	217737408	208169300	219222893	5
Aroclor-1268-4	(4)	93313531	99153364	100645408	92833816	87176160	94624456	6
Aroclor-1268-5	(5)	614873444	644117777	646287038	609236944	584176480	619738337	4
Decachlorobiphenyl		2503938560	2622033627	2700857080	2653903400	2481135200	2592373573	4
Tetrachloro-m-xylene		1836459180	1835199600	1882835460	1567494680	1720988000	1768595384	7

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Instrument ID: ECD_P **Date(s) Analyzed:** 07/01/2025 07/01/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.69	4.59	4.79	18873700
		2	4.78	4.68	4.88	16115600
		3	4.85	4.75	4.95	51736800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.85	4.75	4.95	39969400
		2	5.38	5.28	5.48	20562800
		3	5.66	5.56	5.76	42330400
		4	5.82	5.72	5.92	21555200
		5	5.91	5.81	6.01	14064800
Aroclor-1262	500	1	8.07	7.97	8.17	115225000
		2	8.38	8.28	8.48	249090000
		3	8.70	8.60	8.80	163294000
		4	8.78	8.68	8.88	122009000
		5	9.43	9.33	9.53	86953800

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Instrument ID: ECD_P **Date(s) Analyzed:** 07/01/2025 07/01/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.99	3.89	4.09	26914600
		2	4.08	3.98	4.18	20560400
		3	4.15	4.05	4.25	60670600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	47064800
		2	4.88	4.78	4.98	47003600
		3	5.06	4.96	5.16	24764800
		4	5.14	5.04	5.24	21423000
		5	5.31	5.21	5.41	23371200
Aroclor-1262	500	1	6.90	6.80	7.00	150053000
		2	7.15	7.05	7.25	124834000
		3	7.68	7.58	7.78	111157000
		4	7.74	7.64	7.84	182283000
		5	8.24	8.14	8.34	87201800

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 07/01/2025 07/01/2025

Continuing Calib Time: 10:07 **Initial Calibration Time(s):** 14:04 21:30

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.65	5.64	5.54	5.74	-0.01
Aroclor-1016-2	(2)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-3	(3)	5.74	5.73	5.63	5.83	-0.01
Aroclor-1016-4	(4)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-5	(5)	6.12	6.12	6.02	6.22	0.00
Aroclor-1260-1	(1)	7.24	7.23	7.13	7.33	-0.01
Aroclor-1260-2	(2)	7.49	7.49	7.39	7.59	0.00
Aroclor-1260-3	(3)	7.85	7.85	7.75	7.95	0.00
Aroclor-1260-4	(4)	8.08	8.07	7.97	8.17	-0.01
Aroclor-1260-5	(5)	8.39	8.39	8.29	8.49	0.00
Tetrachloro-m-xylene		4.50	4.49	4.39	4.59	-0.01
Decachlorobiphenyl		10.19	10.19	10.09	10.29	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 07/01/2025 07/01/2025

Continuing Calib Time: 10:07 **Initial Calibration Time(s):** 14:04 21:30

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-3	(3)	5.06	5.06	4.96	5.16	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.35	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.53	6.53	6.43	6.63	0.00
Aroclor-1260-3	(3)	6.69	6.69	6.59	6.79	0.01
Aroclor-1260-4	(4)	7.16	7.15	7.05	7.25	-0.01
Aroclor-1260-5	(5)	7.40	7.40	7.30	7.50	0.00
Tetrachloro-m-xylene		3.78	3.79	3.69	3.89	0.01
Decachlorobiphenyl		8.79	8.79	8.69	8.89	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/01/2025 07/01/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/02/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073448.D **Time Analyzed:** 10:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.651	5.544	5.744	569.830	500.000	14.0
Aroclor-1016-2	5.673	5.566	5.766	563.490	500.000	12.7
Aroclor-1016-3	5.735	5.629	5.829	542.290	500.000	8.5
Aroclor-1016-4	5.832	5.726	5.926	557.220	500.000	11.4
Aroclor-1016-5	6.124	6.018	6.218	561.610	500.000	12.3
Aroclor-1260-1	7.241	7.134	7.334	539.260	500.000	7.9
Aroclor-1260-2	7.494	7.389	7.589	562.220	500.000	12.4
Aroclor-1260-3	7.853	7.746	7.946	543.520	500.000	8.7
Aroclor-1260-4	8.076	7.971	8.171	528.530	500.000	5.7
Aroclor-1260-5	8.394	8.289	8.489	541.310	500.000	8.3
Decachlorobiphenyl	10.193	10.086	10.286	54.850	50.000	9.7
Tetrachloro-m-xylene	4.498	4.393	4.593	56.360	50.000	12.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/01/2025 07/01/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/02/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073448.D **Time Analyzed:** 10:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.864	4.764	4.964	480.890	500.000	-3.8
Aroclor-1016-2	4.881	4.782	4.982	483.670	500.000	-3.3
Aroclor-1016-3	5.058	4.958	5.158	495.110	500.000	-1.0
Aroclor-1016-4	5.100	5.000	5.200	491.380	500.000	-1.7
Aroclor-1016-5	5.314	5.214	5.414	500.010	500.000	0.0
Aroclor-1260-1	6.345	6.244	6.444	485.850	500.000	-2.8
Aroclor-1260-2	6.533	6.433	6.633	443.500	500.000	-11.3
Aroclor-1260-3	6.685	6.585	6.785	495.020	500.000	-1.0
Aroclor-1260-4	7.155	7.054	7.254	490.060	500.000	-2.0
Aroclor-1260-5	7.397	7.297	7.497	480.740	500.000	-3.9
Decachlorobiphenyl	8.790	8.690	8.890	51.990	50.000	4.0
Tetrachloro-m-xylene	3.783	3.685	3.885	46.450	50.000	-7.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 07/01/2025 07/01/2025

Continuing Calib Time: 18:47 **Initial Calibration Time(s):** 14:04 21:30

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.64	5.64	5.54	5.74	0.00
Aroclor-1016-2	(2)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-3	(3)	5.72	5.73	5.63	5.83	0.01
Aroclor-1016-4	(4)	5.82	5.83	5.73	5.93	0.01
Aroclor-1016-5	(5)	6.11	6.12	6.02	6.22	0.01
Aroclor-1260-1	(1)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-2	(2)	7.48	7.49	7.39	7.59	0.01
Aroclor-1260-3	(3)	7.84	7.85	7.75	7.95	0.01
Aroclor-1260-4	(4)	8.07	8.07	7.97	8.17	0.00
Aroclor-1260-5	(5)	8.38	8.39	8.29	8.49	0.01
Tetrachloro-m-xylene		4.49	4.49	4.39	4.59	0.00
Decachlorobiphenyl		10.18	10.19	10.09	10.29	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 07/01/2025 07/01/2025

Continuing Calib Time: 18:47 **Initial Calibration Time(s):** 14:04 21:30

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.86	4.86	4.76	4.96	0.00
Aroclor-1016-2	(2)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-3	(3)	5.06	5.06	4.96	5.16	0.00
Aroclor-1016-4	(4)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-5	(5)	5.31	5.31	5.21	5.41	0.00
Aroclor-1260-1	(1)	6.34	6.34	6.24	6.44	0.00
Aroclor-1260-2	(2)	6.53	6.53	6.43	6.63	0.00
Aroclor-1260-3	(3)	6.68	6.69	6.59	6.79	0.01
Aroclor-1260-4	(4)	7.15	7.15	7.05	7.25	0.00
Aroclor-1260-5	(5)	7.39	7.40	7.30	7.50	0.01
Tetrachloro-m-xylene		3.78	3.79	3.69	3.89	0.01
Decachlorobiphenyl		8.79	8.79	8.69	8.89	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/01/2025 07/01/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/02/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073463.D **Time Analyzed:** 18:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.640	5.544	5.744	511.530	500.000	2.3
Aroclor-1016-2	5.662	5.566	5.766	527.050	500.000	5.4
Aroclor-1016-3	5.724	5.629	5.829	489.140	500.000	-2.2
Aroclor-1016-4	5.822	5.726	5.926	517.580	500.000	3.5
Aroclor-1016-5	6.114	6.018	6.218	501.770	500.000	0.4
Aroclor-1260-1	7.231	7.134	7.334	498.660	500.000	-0.3
Aroclor-1260-2	7.484	7.389	7.589	488.000	500.000	-2.4
Aroclor-1260-3	7.843	7.746	7.946	468.290	500.000	-6.3
Aroclor-1260-4	8.066	7.971	8.171	450.520	500.000	-9.9
Aroclor-1260-5	8.384	8.289	8.489	473.490	500.000	-5.3
Decachlorobiphenyl	10.181	10.086	10.286	48.200	50.000	-3.6
Tetrachloro-m-xylene	4.490	4.393	4.593	51.140	50.000	2.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/01/2025 07/01/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/02/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073463.D **Time Analyzed:** 18:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.862	4.764	4.964	559.790	500.000	12.0
Aroclor-1016-2	4.880	4.782	4.982	561.770	500.000	12.4
Aroclor-1016-3	5.056	4.958	5.158	573.400	500.000	14.7
Aroclor-1016-4	5.098	5.000	5.200	575.300	500.000	15.1
Aroclor-1016-5	5.311	5.214	5.414	583.620	500.000	16.7
Aroclor-1260-1	6.342	6.244	6.444	528.760	500.000	5.8
Aroclor-1260-2	6.531	6.433	6.633	492.230	500.000	-1.6
Aroclor-1260-3	6.682	6.585	6.785	538.520	500.000	7.7
Aroclor-1260-4	7.152	7.054	7.254	518.690	500.000	3.7
Aroclor-1260-5	7.394	7.297	7.497	512.140	500.000	2.4
Decachlorobiphenyl	8.788	8.690	8.890	54.400	50.000	8.8
Tetrachloro-m-xylene	3.782	3.685	3.885	54.540	50.000	9.1

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Analytical Sequence

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/01/2025 07/01/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/01/2025	13:46	PP073412.D	10.18	4.49
AR1660ICC1000	AR1660ICC1000	07/01/2025	14:04	PP073413.D	10.19	4.50
AR1660ICC750	AR1660ICC750	07/01/2025	14:21	PP073414.D	10.18	4.49
AR1660ICC500	AR1660ICC500	07/01/2025	14:37	PP073415.D	10.19	4.49
AR1660ICC250	AR1660ICC250	07/01/2025	14:54	PP073416.D	10.18	4.49
AR1660ICC050	AR1660ICC050	07/01/2025	15:10	PP073417.D	10.18	4.49
AR1221ICC500	AR1221ICC500	07/01/2025	15:26	PP073418.D	10.18	4.49
AR1232ICC500	AR1232ICC500	07/01/2025	15:43	PP073419.D	10.18	4.49
AR1242ICC1000	AR1242ICC1000	07/01/2025	15:59	PP073420.D	10.19	4.49
AR1242ICC750	AR1242ICC750	07/01/2025	16:16	PP073421.D	10.18	4.49
AR1242ICC500	AR1242ICC500	07/01/2025	16:33	PP073422.D	10.19	4.49
AR1242ICC250	AR1242ICC250	07/01/2025	16:49	PP073423.D	10.18	4.49
AR1242ICC050	AR1242ICC050	07/01/2025	17:05	PP073424.D	10.19	4.49
AR1248ICC1000	AR1248ICC1000	07/01/2025	17:22	PP073425.D	10.18	4.49
AR1248ICC750	AR1248ICC750	07/01/2025	17:39	PP073426.D	10.18	4.49
AR1248ICC500	AR1248ICC500	07/01/2025	17:55	PP073427.D	10.18	4.49
AR1248ICC250	AR1248ICC250	07/01/2025	18:12	PP073428.D	10.19	4.49
AR1248ICC050	AR1248ICC050	07/01/2025	18:28	PP073429.D	10.18	4.49
AR1254ICC1000	AR1254ICC1000	07/01/2025	18:45	PP073430.D	10.18	4.49
AR1254ICC750	AR1254ICC750	07/01/2025	19:01	PP073431.D	10.18	4.49
AR1254ICC500	AR1254ICC500	07/01/2025	19:18	PP073432.D	10.18	4.49
AR1254ICC250	AR1254ICC250	07/01/2025	19:35	PP073433.D	10.18	4.49
AR1254ICC050	AR1254ICC050	07/01/2025	19:51	PP073434.D	10.18	4.49
AR1262ICC500	AR1262ICC500	07/01/2025	20:08	PP073435.D	10.18	4.49
AR1268ICC1000	AR1268ICC1000	07/01/2025	20:24	PP073436.D	10.18	4.49
AR1268ICC750	AR1268ICC750	07/01/2025	20:41	PP073437.D	10.18	4.49
AR1268ICC500	AR1268ICC500	07/01/2025	20:57	PP073438.D	10.18	4.49
AR1268ICC250	AR1268ICC250	07/01/2025	21:14	PP073439.D	10.18	4.49
AR1268ICC050	AR1268ICC050	07/01/2025	21:30	PP073440.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/02/2025	10:07	PP073448.D	10.19	4.50
I.BLK	I.BLK	07/02/2025	11:17	PP073452.D	10.18	4.49
PB168692BL	PB168692BL	07/02/2025	15:14	PP073454.D	10.18	4.49
PB168692BS	PB168692BS	07/02/2025	15:30	PP073455.D	10.18	4.49
PIT#1	Q2473-01	07/02/2025	16:03	PP073457.D	10.18	4.49
PIT#2	Q2473-02	07/02/2025	16:19	PP073458.D	10.18	4.49
PIT#3	Q2473-03	07/02/2025	16:36	PP073459.D	10.18	4.49
PIT#4	Q2473-04	07/02/2025	16:53	PP073460.D	10.18	4.49
PIT#4MS	Q2473-04MS	07/02/2025	17:09	PP073461.D	10.18	4.49
PIT#4MSD	Q2473-04MSD	07/02/2025	17:25	PP073462.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/02/2025	18:47	PP073463.D	10.18	4.49
I.BLK	I.BLK	07/02/2025	19:53	PP073467.D	10.18	4.49

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Analytical Sequence

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Analytical Sequence

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/01/2025 07/01/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/01/2025	13:46	PP073412.D	8.79	3.78
AR1660ICC1000	AR1660ICC1000	07/01/2025	14:04	PP073413.D	8.79	3.79
AR1660ICC750	AR1660ICC750	07/01/2025	14:21	PP073414.D	8.79	3.79
AR1660ICC500	AR1660ICC500	07/01/2025	14:37	PP073415.D	8.79	3.79
AR1660ICC250	AR1660ICC250	07/01/2025	14:54	PP073416.D	8.79	3.78
AR1660ICC050	AR1660ICC050	07/01/2025	15:10	PP073417.D	8.79	3.78
AR1221ICC500	AR1221ICC500	07/01/2025	15:26	PP073418.D	8.79	3.78
AR1232ICC500	AR1232ICC500	07/01/2025	15:43	PP073419.D	8.79	3.78
AR1242ICC1000	AR1242ICC1000	07/01/2025	15:59	PP073420.D	8.79	3.79
AR1242ICC750	AR1242ICC750	07/01/2025	16:16	PP073421.D	8.79	3.79
AR1242ICC500	AR1242ICC500	07/01/2025	16:33	PP073422.D	8.79	3.79
AR1242ICC250	AR1242ICC250	07/01/2025	16:49	PP073423.D	8.79	3.78
AR1242ICC050	AR1242ICC050	07/01/2025	17:05	PP073424.D	8.79	3.78
AR1248ICC1000	AR1248ICC1000	07/01/2025	17:22	PP073425.D	8.79	3.78
AR1248ICC750	AR1248ICC750	07/01/2025	17:39	PP073426.D	8.79	3.79
AR1248ICC500	AR1248ICC500	07/01/2025	17:55	PP073427.D	8.79	3.79
AR1248ICC250	AR1248ICC250	07/01/2025	18:12	PP073428.D	8.79	3.78
AR1248ICC050	AR1248ICC050	07/01/2025	18:28	PP073429.D	8.79	3.78
AR1254ICC1000	AR1254ICC1000	07/01/2025	18:45	PP073430.D	8.79	3.78
AR1254ICC750	AR1254ICC750	07/01/2025	19:01	PP073431.D	8.79	3.78
AR1254ICC500	AR1254ICC500	07/01/2025	19:18	PP073432.D	8.79	3.78
AR1254ICC250	AR1254ICC250	07/01/2025	19:35	PP073433.D	8.79	3.78
AR1254ICC050	AR1254ICC050	07/01/2025	19:51	PP073434.D	8.79	3.78
AR1262ICC500	AR1262ICC500	07/01/2025	20:08	PP073435.D	8.79	3.78
AR1268ICC1000	AR1268ICC1000	07/01/2025	20:24	PP073436.D	8.79	3.78
AR1268ICC750	AR1268ICC750	07/01/2025	20:41	PP073437.D	8.79	3.78
AR1268ICC500	AR1268ICC500	07/01/2025	20:57	PP073438.D	8.79	3.78
AR1268ICC250	AR1268ICC250	07/01/2025	21:14	PP073439.D	8.79	3.78
AR1268ICC050	AR1268ICC050	07/01/2025	21:30	PP073440.D	8.79	3.78
AR1660CCC500	AR1660CCC500	07/02/2025	10:07	PP073448.D	8.79	3.78
I.BLK	I.BLK	07/02/2025	11:17	PP073452.D	8.78	3.78
PB168692BL	PB168692BL	07/02/2025	15:14	PP073454.D	8.79	3.78
PB168692BS	PB168692BS	07/02/2025	15:30	PP073455.D	8.79	3.78
PIT#1	Q2473-01	07/02/2025	16:03	PP073457.D	8.79	3.78
PIT#2	Q2473-02	07/02/2025	16:19	PP073458.D	8.79	3.78
PIT#3	Q2473-03	07/02/2025	16:36	PP073459.D	8.79	3.78
PIT#4	Q2473-04	07/02/2025	16:53	PP073460.D	8.79	3.78
PIT#4MS	Q2473-04MS	07/02/2025	17:09	PP073461.D	8.79	3.78
PIT#4MSD	Q2473-04MSD	07/02/2025	17:25	PP073462.D	8.79	3.78
AR1660CCC500	AR1660CCC500	07/02/2025	18:47	PP073463.D	8.79	3.78
I.BLK	I.BLK	07/02/2025	19:53	PP073467.D	8.79	3.78

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Analytical Sequence

QC SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168692BL	SDG No.:	Q2473
Lab Sample ID:	PB168692BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073454.D	1	07/02/25 08:25	07/02/25 15:14	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		32 - 175	106%	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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIBLK-PP073412.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PP073412.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073412.D	1		07/01/25	PP070125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.5		60 - 140	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.7		60 - 140	78%	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
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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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PP073452.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PP073452.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073452.D	1		07/02/25	PP070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 140	95%	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
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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:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PP073467.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PP073467.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073467.D	1		07/02/25	PP070225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.7		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.8		60 - 140	79%	SPK: 20

Comments:

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LOD = Limit of Detection
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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:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168692BS	SDG No.:	Q2473
Lab Sample ID:	PB168692BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073455.D	1	07/02/25 08:25	07/02/25 15:30	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	186		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	173		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.0		32 - 144	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		32 - 175	111%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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* = 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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4MS	SDG No.:	Q2473
Lab Sample ID:	Q2473-04MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073461.D	1	07/02/25 08:25	07/02/25 17:09	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	194		4.30	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	158		3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		32 - 175	101%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4MSD	SDG No.:	Q2473
Lab Sample ID:	Q2473-04MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073462.D	1	07/02/25 08:25	07/02/25 17:25	PB168692

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	179		4.30	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	149		3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		32 - 175	94%	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:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2473 **Order ID:** Q2473

Client: JPCL Engineering **Project ID:** NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PIT#1								
Q2473-01	PIT#1	SOIL	Heptachlor	4.50	P	0.13	1.90	ug/kg
Q2473-01	PIT#1	SOIL	Aldrin	6.70		0.13	1.90	ug/kg
Q2473-01	PIT#1	SOIL	4,4-DDE	6.30		0.16	1.90	ug/kg
Q2473-01	PIT#1	SOIL	4,4-DDT	9.20		0.16	1.90	ug/kg
Q2473-01	PIT#1	SOIL	alpha-Chlordane	30.7	P	0.13	1.90	ug/kg
Q2473-01	PIT#1	SOIL	gamma-Chlordane	19.1	P	0.17	1.90	ug/kg
			Total Concentration:	**76.500**				
Client ID : PIT#2								
Q2473-02	PIT#2	SOIL	Heptachlor	0.98	JP	0.13	1.90	ug/kg
Q2473-02	PIT#2	SOIL	Aldrin	1.50	J	0.13	1.90	ug/kg
Q2473-02	PIT#2	SOIL	4,4-DDE	1.30	J	0.16	1.90	ug/kg
Q2473-02	PIT#2	SOIL	4,4-DDT	1.50	J	0.16	1.90	ug/kg
Q2473-02	PIT#2	SOIL	alpha-Chlordane	3.50	P	0.13	1.90	ug/kg
Q2473-02	PIT#2	SOIL	gamma-Chlordane	2.20		0.17	1.90	ug/kg
			Total Concentration:	**10.980**				
Client ID : PIT#3								
Q2473-03	PIT#3	SOIL	Heptachlor	3.90		0.14	1.90	ug/kg
Q2473-03	PIT#3	SOIL	Aldrin	6.00		0.14	1.90	ug/kg
Q2473-03	PIT#3	SOIL	4,4-DDE	5.20		0.16	1.90	ug/kg
Q2473-03	PIT#3	SOIL	4,4-DDD	1.60	J	0.17	1.90	ug/kg
Q2473-03	PIT#3	SOIL	4,4-DDT	7.30		0.16	1.90	ug/kg
Q2473-03	PIT#3	SOIL	alpha-Chlordane	18.5	P	0.14	1.90	ug/kg
Q2473-03	PIT#3	SOIL	gamma-Chlordane	12.8		0.17	1.90	ug/kg
			Total Concentration:	**55.300**				
Client ID : PIT#4								
Q2473-04	PIT#4	SOIL	Heptachlor	0.67	J	0.13	1.90	ug/kg
Q2473-04	PIT#4	SOIL	Aldrin	1.50	J	0.13	1.90	ug/kg
Q2473-04	PIT#4	SOIL	4,4-DDE	1.00	J	0.15	1.90	ug/kg
Q2473-04	PIT#4	SOIL	4,4-DDD	0.50	J	0.17	1.90	ug/kg
Q2473-04	PIT#4	SOIL	4,4-DDT	1.70	J	0.15	1.90	ug/kg
Q2473-04	PIT#4	SOIL	alpha-Chlordane	3.70		0.13	1.90	ug/kg
Q2473-04	PIT#4	SOIL	gamma-Chlordane	2.30		0.17	1.90	ug/kg
			Total Concentration:	**11.370**				

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089313.D	1	07/02/25 08:25	07/02/25 19:22	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	4.50	P	0.13	1.90	ug/kg
309-00-2	Aldrin	6.70		0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	6.30		0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	9.20		0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	30.7	P	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	19.1	P	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		19 - 148	75%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089313.D	1	07/02/25 08:25	07/02/25 19:22	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089314.D	1	07/02/25 08:25	07/02/25 19:36	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.98	JP	0.13	1.90	ug/kg
309-00-2	Aldrin	1.50	J	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.30	J	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	1.50	J	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	3.50	P	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	2.20		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.6		20 - 144	68%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.5		19 - 148	72%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089314.D	1	07/02/25 08:25	07/02/25 19:36	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089315.D	1	07/02/25 08:25	07/02/25 19:50	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	3.90		0.14	1.90	ug/kg
309-00-2	Aldrin	6.00		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	5.20		0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	1.60	J	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	7.30		0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	18.5	P	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	12.8		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.9		20 - 144	64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.4		19 - 148	72%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.4 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089315.D	1	07/02/25 08:25	07/02/25 19:50	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089316.D	1	07/02/25 08:25	07/02/25 20:03	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.67	J	0.13	1.90	ug/kg
309-00-2	Aldrin	1.50	J	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	1.00	J	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.50	J	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	1.70	J	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	3.70		0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	2.30		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.1		20 - 144	61%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.8		19 - 148	74%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089316.D	1	07/02/25 08:25	07/02/25 20:03	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD088990.D	PIBLK-PD088990.D	Decachlorobiphen	1	20	18.2	91		57	171
		Tetrachloro-m-xyl	1	20	16.1	80		61	148
		Decachlorobiphen	2	20	18.6	93		57	171
		Tetrachloro-m-xyl	2	20	17.7	88		61	148
I.BLK-PD089301.D	PIBLK-PD089301.D	Decachlorobiphen	1	20	18.9	95		57	171
		Tetrachloro-m-xyl	1	20	18.4	92		61	148
		Decachlorobiphen	2	20	18.8	94		57	171
		Tetrachloro-m-xyl	2	20	20.7	103		61	148
PB168693BL	PB168693BL	Decachlorobiphen	1	20	17.6	88		20	144
		Tetrachloro-m-xyl	1	20	16.9	85		19	148
		Decachlorobiphen	2	20	17.8	89		20	144
		Tetrachloro-m-xyl	2	20	18.3	92		19	148
PB168693BS	PB168693BS	Decachlorobiphen	1	20	20.6	103		20	144
		Tetrachloro-m-xyl	1	20	19.0	95		19	148
		Decachlorobiphen	2	20	21.1	105		20	144
		Tetrachloro-m-xyl	2	20	22.7	113		19	148
Q2475-01MS	SOIL-PILEMS	Decachlorobiphen	1	20	20.2	101		20	144
		Tetrachloro-m-xyl	1	20	13.5	68		19	148
		Decachlorobiphen	2	20	16.2	81		20	144
		Tetrachloro-m-xyl	2	20	15.3	77		19	148
Q2475-01MSD	SOIL-PILEMSD	Decachlorobiphen	1	20	20.1	101		20	144
		Tetrachloro-m-xyl	1	20	13.5	68		19	148
		Decachlorobiphen	2	20	16.0	80		20	144
		Tetrachloro-m-xyl	2	20	15.1	75		19	148
I.BLK-PD089310.D	PIBLK-PD089310.D	Decachlorobiphen	1	20	18.3	91		57	171
		Tetrachloro-m-xyl	1	20	18.6	93		61	148
		Decachlorobiphen	2	20	18.8	94		57	171
		Tetrachloro-m-xyl	2	20	20.6	103		61	148
Q2473-01	PIT#1	Decachlorobiphen	1	20	15.3	77		20	144
		Tetrachloro-m-xyl	1	20	12.8	64		19	148
		Decachlorobiphen	2	20	12.2	61		20	144
		Tetrachloro-m-xyl	2	20	15.1	75		19	148
Q2473-02	PIT#2	Decachlorobiphen	1	20	13.6	68		20	144
		Tetrachloro-m-xyl	1	20	12.9	65		19	148
		Decachlorobiphen	2	20	11.2	56		20	144
		Tetrachloro-m-xyl	2	20	14.5	72		19	148
Q2473-03	PIT#3	Decachlorobiphen	1	20	12.9	64		20	144
		Tetrachloro-m-xyl	1	20	12.2	61		19	148
		Decachlorobiphen	2	20	8.19	41		20	144
		Tetrachloro-m-xyl	2	20	14.4	72		19	148
Q2473-04	PIT#4	Decachlorobiphen	1	20	12.1	61		20	144

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Surrogate Summary

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
Q2473-04	PIT#4	Tetrachloro-m-xyl	1	20	12.9	65		19	148
		Decachlorobiphen	2	20	9.36	47		20	144
		Tetrachloro-m-xyl	2	20	14.8	74		19	148
I.BLK-PD089323.D	PIBLK-PD089323.D	Decachlorobiphen	1	20	16.5	82		57	171
		Tetrachloro-m-xyl	1	20	19.0	95		61	148
		Decachlorobiphen	2	20	13.2	66		57	171
		Tetrachloro-m-xyl	2	20	21.3	107		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8081B

Client: JPCL Engineering **DataFile :** PD089307.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2475-01MS (Column 1)**	**Client Sample ID:**		**SOIL-PILEMS**								
	alpha-BHC	20.9	0	18.6	ug/kg	89				60	144	
	beta-BHC	20.9	0	15.0	ug/kg	72				54	143	
	delta-BHC	20.9	0	20.3	ug/kg	97				29	151	
	gamma-BHC (Lindane)	20.9	0	20.2	ug/kg	97				61	140	
	Heptachlor	20.9	0	19.3	ug/kg	92				63	135	
	Aldrin	20.9	0	19.9	ug/kg	95				49	139	
	Heptachlor epoxide	20.9	0	18.4	ug/kg	88				41	156	
	Endosulfan I	20.9	0	20.0	ug/kg	96				56	142	
	Dieldrin	20.9	0.42	18.6	ug/kg	93				47	161	
	4,4'-DDE	20.9	0	15.3	ug/kg	73				55	136	
	Endrin	20.9	0	18.2	ug/kg	87				57	139	
	Endosulfan II	20.9	0	18.0	ug/kg	86				40	163	
	4,4'-DDD	20.9	0	20.8	ug/kg	100				47	163	
	Endosulfan sulfate	20.9	0	17.5	ug/kg	84				62	139	
	4,4'-DDT	20.9	0.37	17.4	ug/kg	80				51	146	
	Methoxychlor	20.9	0	15.4	ug/kg	74				54	136	
	Endrin ketone	20.9	0	17.2	ug/kg	82				60	129	
	Endrin aldehyde	20.9	0	18.4	ug/kg	88				59	132	
	alpha-Chlordane	20.9	4.40	22.5	ug/kg	87				39	166	
	gamma-Chlordane	20.9	1.90	21.6	ug/kg	94				44	175	
Lab Sample ID:	**Q2475-01MS (Column 2)**	**Client Sample ID:**		**SOIL-PILEMS**								
	alpha-BHC	20.9	0	18.9	ug/kg	90				60	144	
	beta-BHC	20.9	0	20.5	ug/kg	98				54	143	
	delta-BHC	20.9	0	18.7	ug/kg	89				29	151	
	gamma-BHC (Lindane)	20.9	0	18.9	ug/kg	90				61	140	
	Heptachlor	20.9	0	19.0	ug/kg	91				63	135	
	Aldrin	20.9	0	18.6	ug/kg	89				49	139	
	Heptachlor epoxide	20.9	0	20.2	ug/kg	97				41	156	
	Endosulfan I	20.9	0	20.0	ug/kg	96				56	142	
	Dieldrin	20.9	1.60	21.0	ug/kg	100				47	161	
	4,4'-DDE	20.9	0	19.3	ug/kg	92				55	136	
	Endrin	20.9	0	18.6	ug/kg	89				57	139	
	Endosulfan II	20.9	0	18.6	ug/kg	89				40	163	
	4,4'-DDD	20.9	0	16.2	ug/kg	78				47	163	
	Endosulfan sulfate	20.9	0	17.2	ug/kg	82				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8081B

Client: JPCL Engineering **DataFile :** PD089307.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	20.9	0.77	16.8	ug/kg	80				51	146	
Methoxychlor	20.9	0	14.8	ug/kg	71				54	136	
Endrin ketone	20.9	0	16.1	ug/kg	77				60	129	
Endrin aldehyde	20.9	0	18.6	ug/kg	89				59	132	
alpha-Chlordane	20.9	2.10	22.0	ug/kg	105				39	166	
gamma-Chlordane	20.9	1.20	19.5	ug/kg	93				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8081B

Client: JPCL Engineering **DataFile :** PD089308.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2475-01MSD (Column 1)**	**Client Sample ID:**		**SOIL-PILEMSD**								
	alpha-BHC	20.89	0	18.7	ug/kg	90		1		60	144	20
	beta-BHC	20.89	0	15.3	ug/kg	73		1		54	143	20
	delta-BHC	20.89	0	20.0	ug/kg	96		1		29	151	20
	gamma-BHC (Lindane)	20.89	0	19.8	ug/kg	95		2		61	140	20
	Heptachlor	20.89	0	18.4	ug/kg	88		4		63	135	20
	Aldrin	20.89	0	19.3	ug/kg	92		3		49	139	20
	Heptachlor epoxide	20.89	0	18.2	ug/kg	87		1		41	156	20
	Endosulfan I	20.89	0	20.1	ug/kg	96		0		56	142	20
	Dieldrin	20.89	0.42	18.4	ug/kg	92		1		47	161	20
	4,4'-DDE	20.89	0	15.0	ug/kg	72		1		55	136	20
	Endrin	20.89	0	17.8	ug/kg	85		2		57	139	20
	Endosulfan II	20.89	0	17.7	ug/kg	85		1		40	163	20
	4,4'-DDD	20.89	0	21.4	ug/kg	102		2		47	163	20
	Endosulfan sulfate	20.89	0	17.3	ug/kg	83		1		62	139	20
	4,4'-DDT	20.89	0.37	16.2	ug/kg	74		8		51	146	20
	Methoxychlor	20.89	0	15.9	ug/kg	76		3		54	136	20
	Endrin ketone	20.89	0	17.3	ug/kg	83		1		60	129	20
	Endrin aldehyde	20.89	0	18.0	ug/kg	86		2		59	132	20
	alpha-Chlordane	20.89	4.40	22.2	ug/kg	85		2		39	166	20
	gamma-Chlordane	20.89	1.90	19.3	ug/kg	83		12		44	175	20
Lab Sample ID:	**Q2475-01MSD (Column 2)**	**Client Sample ID:**		**SOIL-PILEMSD**								
	alpha-BHC	20.89	0	18.7	ug/kg	90		0		60	144	20
	beta-BHC	20.89	0	20.4	ug/kg	98		0		54	143	20
	delta-BHC	20.89	0	18.5	ug/kg	89		0		29	151	20
	gamma-BHC (Lindane)	20.89	0	18.7	ug/kg	90		0		61	140	20
	Heptachlor	20.89	0	18.2	ug/kg	87		4		63	135	20
	Aldrin	20.89	0	18.5	ug/kg	89		0		49	139	20
	Heptachlor epoxide	20.89	0	20.3	ug/kg	97		0		41	156	20
	Endosulfan I	20.89	0	20.2	ug/kg	97		1		56	142	20
	Dieldrin	20.89	1.60	20.9	ug/kg	100		0		47	161	20
	4,4'-DDE	20.89	0	19.1	ug/kg	91		1		55	136	20
	Endrin	20.89	0	18.7	ug/kg	90		1		57	139	20
	Endosulfan II	20.89	0	18.4	ug/kg	88		1		40	163	20
	4,4'-DDD	20.89	0	16.3	ug/kg	78		0		47	163	20
	Endosulfan sulfate	20.89	0	16.9	ug/kg	81		1		62	139	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8081B

Client: JPCL Engineering **DataFile :** PD089308.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
4,4'-DDT	20.89	0.77	15.8	ug/kg	76		5		51	146	20
Methoxychlor	20.89	0	14.3	ug/kg	68		4		54	136	20
Endrin ketone	20.89	0	15.9	ug/kg	76		1		60	129	20
Endrin aldehyde	20.89	0	17.8	ug/kg	85		5		59	132	20
alpha-Chlordane	20.89	2.10	21.9	ug/kg	105		0		39	166	20
gamma-Chlordane	20.89	1.20	18.6	ug/kg	89		4		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8081B

Client: JPCL Engineering **Datafile :** PD089305.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168693BS (Column 1)	alpha-BHC	16.65	16.2	ug/kg	97				84	123	
	beta-BHC	16.65	15.8	ug/kg	95				82	123	
	delta-BHC	16.65	17.6	ug/kg	106				83	126	
	gamma-BHC (Lindane)	16.65	16.3	ug/kg	98				83	125	
	Heptachlor	16.65	15.9	ug/kg	95				83	122	
	Aldrin	16.65	16.4	ug/kg	98				82	124	
	Heptachlor epoxide	16.65	16.0	ug/kg	96				83	120	
	Endosulfan I	16.65	16.4	ug/kg	98				81	124	
	Dieldrin	16.65	16.4	ug/kg	98				85	121	
	4,4'-DDE	16.65	15.6	ug/kg	94				81	123	
	Endrin	16.65	15.6	ug/kg	94				76	130	
	Endosulfan II	16.65	15.8	ug/kg	95				80	125	
	4,4'-DDD	16.65	17.8	ug/kg	107				80	131	
	Endosulfan sulfate	16.65	15.8	ug/kg	95				81	122	
	4,4'-DDT	16.65	14.6	ug/kg	88				70	129	
	Methoxychlor	16.65	14.9	ug/kg	89				60	119	
	Endrin ketone	16.65	16.1	ug/kg	97				77	132	
	Endrin aldehyde	16.65	16.2	ug/kg	97				79	124	
	alpha-Chlordane	16.65	16.2	ug/kg	97				84	120	
	gamma-Chlordane	16.65	16.2	ug/kg	97				83	122	
PB168693BS (Column 2)	alpha-BHC	16.65	16.6	ug/kg	100				84	123	
	beta-BHC	16.65	15.7	ug/kg	94				82	123	
	delta-BHC	16.65	16.2	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.65	16.0	ug/kg	96				83	125	
	Heptachlor	16.65	15.6	ug/kg	94				83	122	
	Aldrin	16.65	16.2	ug/kg	97				82	124	
	Heptachlor epoxide	16.65	16.4	ug/kg	98				83	120	
	Endosulfan I	16.65	14.4	ug/kg	86				81	124	
	Dieldrin	16.65	16.1	ug/kg	97				85	121	
	4,4'-DDE	16.65	16.2	ug/kg	97				81	123	
	Endrin	16.65	17.4	ug/kg	105				76	130	
	Endosulfan II	16.65	16.0	ug/kg	96				80	125	
	4,4'-DDD	16.65	15.7	ug/kg	94				80	131	
	Endosulfan sulfate	16.65	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.65	14.6	ug/kg	88				70	129	
	Methoxychlor	16.65	15.0	ug/kg	90				60	119	
	Endrin ketone	16.65	16.7	ug/kg	100				77	132	
	Endrin aldehyde	16.65	16.1	ug/kg	97				79	124	
	alpha-Chlordane	16.65	15.9	ug/kg	95				84	120	
	gamma-Chlordane	16.65	15.9	ug/kg	95				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168693BL

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab Sample ID: PB168693BL | Lab File ID: PD089304.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/02/2025

Date Analyzed (1): 07/02/2025 | Date Analyzed (2): 07/02/2025

Time Analyzed (1): 16:29 | Time Analyzed (2): 16:29

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168693BS	PB168693BS	PD089305.D	07/02/2025	07/02/2025
SOIL-PILEMS	Q2475-01MS	PD089307.D	07/02/2025	07/02/2025
SOIL-PILEMSD	Q2475-01MSD	PD089308.D	07/02/2025	07/02/2025
PIT#1	Q2473-01	PD089313.D	07/02/2025	07/02/2025
PIT#2	Q2473-02	PD089314.D	07/02/2025	07/02/2025
PIT#3	Q2473-03	PD089315.D	07/02/2025	07/02/2025
PIT#4	Q2473-04	PD089316.D	07/02/2025	07/02/2025

COMMENTS:

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168693BL	SDG No.:	Q2473
Lab Sample ID:	PB168693BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089304.D	1	07/02/25 08:25	07/02/25 16:29	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		19 - 148	92%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168693BL	SDG No.:	Q2473
Lab Sample ID:	PB168693BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089304.D	1	07/02/25 08:25	07/02/25 16:29	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	06/17/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		57 - 171	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		61 - 148	88%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	06/17/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	06/17/25
Client Sample ID:	PIBLK-PD088990.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD088990.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088990.D	1		06/17/25	PD061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PD089301.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD089301.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089301.D	1		07/02/25	pd070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		57 - 171	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		61 - 148	103%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PD089301.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD089301.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089301.D	1		07/02/25	pd070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PD089310.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD089310.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089310.D	1		07/02/25	pd070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.8		57 - 171	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		61 - 148	103%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PD089310.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD089310.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089310.D	1		07/02/25	pd070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PD089323.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD089323.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089323.D	1		07/02/25	pd070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.5		57 - 171	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		61 - 148	107%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/02/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/02/25
Client Sample ID:	PIBLK-PD089323.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PD089323.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089323.D	1		07/02/25	pd070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168693BS	SDG No.:	Q2473
Lab Sample ID:	PB168693BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089305.D	1	07/02/25 08:25	07/02/25 17:20	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.6		0.13	1.70	ug/kg
319-85-7	beta-BHC	15.8		0.18	1.70	ug/kg
319-86-8	delta-BHC	17.6		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.3		0.14	1.70	ug/kg
76-44-8	Heptachlor	15.9		0.12	1.70	ug/kg
309-00-2	Aldrin	16.4		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.4		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.4		0.14	1.70	ug/kg
60-57-1	Dieldrin	16.4		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.2		0.14	1.70	ug/kg
72-20-8	Endrin	17.4		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.0		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.8		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	15.8		0.13	1.70	ug/kg
50-29-3	4,4-DDT	14.6		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.0		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.7		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.2		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.2		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.2		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		20 - 144	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		19 - 148	113%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168693BS	SDG No.:	Q2473
Lab Sample ID:	PB168693BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089305.D	1	07/02/25 08:25	07/02/25 17:20	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	79.7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089307.D	1	07/02/25 08:25	07/02/25 17:47	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.9		0.16	2.10	ug/kg
319-85-7	beta-BHC	20.5		0.23	2.10	ug/kg
319-86-8	delta-BHC	20.3		0.49	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	20.2		0.18	2.10	ug/kg
76-44-8	Heptachlor	19.3		0.15	2.10	ug/kg
309-00-2	Aldrin	19.9		0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	20.2		0.24	2.10	ug/kg
959-98-8	Endosulfan I	20.0		0.18	2.10	ug/kg
60-57-1	Dieldrin	21.0		0.18	2.10	ug/kg
72-55-9	4,4-DDE	19.3		0.18	2.10	ug/kg
72-20-8	Endrin	18.6		0.18	2.10	ug/kg
33213-65-9	Endosulfan II	18.6		0.36	2.10	ug/kg
72-54-8	4,4-DDD	20.8		0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	17.5		0.16	2.10	ug/kg
50-29-3	4,4-DDT	17.4		0.18	2.10	ug/kg
72-43-5	Methoxychlor	15.4		0.46	2.10	ug/kg
53494-70-5	Endrin ketone	17.2		0.24	2.10	ug/kg
7421-93-4	Endrin aldehyde	18.6		0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	22.5		0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	21.6		0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.80	U	6.80	41.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.2		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.3		19 - 148	77%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMS	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	79.7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089307.D	1	07/02/25 08:25	07/02/25 17:47	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	79.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089308.D	1	07/02/25 08:25	07/02/25 18:00	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.7		0.16	2.10	ug/kg
319-85-7	beta-BHC	20.4		0.23	2.10	ug/kg
319-86-8	delta-BHC	20.0		0.49	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	19.8		0.18	2.10	ug/kg
76-44-8	Heptachlor	18.4		0.15	2.10	ug/kg
309-00-2	Aldrin	19.3		0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	20.3		0.24	2.10	ug/kg
959-98-8	Endosulfan I	20.2		0.18	2.10	ug/kg
60-57-1	Dieldrin	20.9		0.18	2.10	ug/kg
72-55-9	4,4-DDE	19.1		0.18	2.10	ug/kg
72-20-8	Endrin	18.7		0.18	2.10	ug/kg
33213-65-9	Endosulfan II	18.4		0.36	2.10	ug/kg
72-54-8	4,4-DDD	21.4		0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	17.3		0.16	2.10	ug/kg
50-29-3	4,4-DDT	16.2		0.18	2.10	ug/kg
72-43-5	Methoxychlor	15.9		0.46	2.10	ug/kg
53494-70-5	Endrin ketone	17.3		0.24	2.10	ug/kg
7421-93-4	Endrin aldehyde	18.0		0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	22.2		0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	19.3		0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.80	U	6.80	41.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		20 - 144	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		19 - 148	75%	SPK: 20

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	SOIL-PILEMSD	SDG No.:	Q2473
Lab Sample ID:	Q2475-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	79.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089308.D	1	07/02/25 08:25	07/02/25 18:00	PB168693

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
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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

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.70	6.71	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.20	6.20	6.20	6.20	6.19	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.07	6.07	6.08	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.58	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.91	6.92	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PD088993.D RT 075 = PD088994.D
RT 050 = PD088995.D RT 025 = PD088996.D RT 005 = PD088997.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.38	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.03	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.13	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.76	6.75	6.76	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3557450000	3439230000	3414120000	3228670000	3520780000	3432050000	4
4,4'-DDE	4564130000	4401240000	4312380000	4092310000	4435110000	4361030000	4
4,4'-DDT	3928430000	3802000000	3763430000	3580670000	3866490000	3788210000	3
Aldrin	5504150000	5312640000	5254800000	4989300000	5504000000	5312980000	4
alpha-BHC	6295370000	6031790000	5874750000	5417910000	5525530000	5829070000	6
alpha-Chlordane	4885060000	4758900000	4734630000	4584390000	5229700000	4838540000	5
beta-BHC	2136750000	2100860000	2137680000	2144670000	2515730000	2207140000	8
Decachlorobiphenyl	3598890000	3628150000	3773200000	3897960000	4739940000	3927630000	12
delta-BHC	5546280000	5292010000	5182350000	4751190000	4892690000	5132900000	6
Dieldrin	4933650000	4797080000	4750270000	4527510000	4978810000	4797470000	4
Endosulfan I	4511200000	4405770000	4412600000	4289200000	4918470000	4507450000	5
Endosulfan II	3829260000	3982180000	4002080000	3816490000	4553000000	4036600000	7
Endosulfan sulfate	3786900000	3718160000	3741600000	3667440000	4271990000	3837220000	6
Endrin	4238140000	4109540000	4096430000	3878120000	4305700000	4125590000	4
Endrin aldehyde	2964260000	2935670000	2964230000	2966830000	3488720000	3063940000	8
Endrin ketone	4050100000	3970810000	4004900000	3895960000	4443590000	4073070000	5
gamma-BHC (Lindane)	5900830000	5686510000	5566590000	5221690000	5532800000	5581680000	4
gamma-Chlordane	4869330000	4801300000	4716110000	4508810000	5045020000	4788110000	4
Heptachlor	5621840000	5429540000	5358570000	5116310000	5733550000	5451960000	4
Heptachlor epoxide	4794850000	4673610000	4749650000	4554690000	5346870000	4823940000	6
Methoxychlor	1926110000	1918890000	1971480000	1982080000	2304580000	2020630000	8
Tetrachloro-m-xylene	2812300000	2762040000	2767280000	2751820000	3172230000	2853130000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 06/17/2025 06/17/2025
Calibration Times: 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 100 = PD088993.D CF 075 = PD088994.D
CF 050 = PD088995.D CF 025 = PD088996.D CF 005 = PD088997.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17754100000	17899700000	18191100000	18805800000	22996200000	19129400000	11
4,4'-DDE	21343500000	21440200000	21823600000	22564100000	27409000000	22916100000	11
4,4'-DDT	19391000000	19327800000	19594100000	20005200000	23078500000	20279300000	8
Aldrin	22719200000	22747700000	23159400000	23852800000	28607200000	24217300000	10
alpha-BHC	25649000000	25438700000	25849200000	26153100000	30895500000	26797100000	9
alpha-Chlordane	21191300000	21145300000	21570900000	22517200000	28059300000	22896800000	13
beta-BHC	9903630000	9918550000	10198200000	10624100000	13086800000	10746200000	12
Decachlorobiphenyl	17946500000	17939700000	18428600000	19427500000	25107500000	19770000000	15
delta-BHC	23614400000	23533700000	23918700000	24298300000	29003000000	24873600000	9
Dieldrin	21438700000	21622000000	22120600000	22941800000	27919200000	23208500000	12
Endosulfan I	19170300000	19201000000	19315500000	20752900000	25772600000	20842500000	14
Endosulfan II	18473200000	18573800000	19087100000	20002300000	24846800000	20196600000	13
Endosulfan sulfate	17925600000	18043500000	18492500000	19409200000	24234500000	19621100000	13
Endrin	20535400000	19906600000	20644700000	21276500000	26206500000	21713900000	12
Endrin aldehyde	13773600000	13920200000	14379400000	15195500000	19287900000	15311300000	15
Endrin ketone	19587400000	19824900000	20446500000	21535300000	26614600000	21601700000	13
gamma-BHC (Lindane)	23622800000	23442000000	23749900000	24221500000	28748400000	24756900000	9
gamma-Chlordane	22229100000	22022500000	22519500000	23493700000	29348800000	23922700000	13
Heptachlor	23291600000	23365200000	23922200000	24716000000	29896800000	25038400000	11
Heptachlor epoxide	20080600000	20251900000	20827300000	21695300000	26635200000	21898100000	12
Methoxychlor	9712450000	9897880000	10259100000	10830900000	13140100000	10768100000	13
Tetrachloro-m-xylene	15879800000	15866400000	15978000000	16730900000	20310700000	16953200000	11

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	33601800
		2	6.44	6.34	6.54	47528600
		3	7.15	7.05	7.25	87292700
		4	7.56	7.46	7.66	111357000
		5	7.93	7.83	8.03	63112600

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Instrument ID: ECD_D **Date(s) Analyzed:** 06/17/2025 06/17/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	158160000
		2	5.65	5.55	5.75	108820000
		3	6.76	6.66	6.86	511856000
		4	7.20	7.10	7.30	350145000
		5	7.33	7.23	7.43	253920000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.38	5.28	5.48	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/02/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089303.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.605	6.805	52.380	50.000	4.8
4,4'-DDE	6.195	6.096	6.296	49.640	50.000	-0.7
4,4'-DDT	7.021	6.921	7.121	43.520	50.000	-13.0
Aldrin	5.271	5.171	5.371	52.470	50.000	4.9
alpha-BHC	4.000	3.899	4.099	52.780	50.000	5.6
alpha-Chlordane	6.027	5.927	6.127	51.270	50.000	2.5
beta-BHC	4.516	4.415	4.615	50.560	50.000	1.1
Decachlorobiphenyl	9.073	8.972	9.172	47.480	50.000	-5.0
delta-BHC	4.765	4.664	4.864	54.640	50.000	9.3
Dieldrin	6.347	6.247	6.447	50.990	50.000	2.0
Endosulfan I	6.074	5.975	6.175	51.230	50.000	2.5
Endosulfan II	6.786	6.686	6.886	50.120	50.000	0.2
Endosulfan sulfate	7.149	7.049	7.249	48.630	50.000	-2.7
Endrin	6.574	6.475	6.675	47.290	50.000	-5.4
Endrin aldehyde	6.915	6.815	7.015	48.640	50.000	-2.7
Endrin ketone	7.630	7.530	7.730	49.520	50.000	-1.0
gamma-BHC (Lindane)	4.330	4.230	4.430	52.300	50.000	4.6
gamma-Chlordane	5.946	5.846	6.046	52.420	50.000	4.8
Heptachlor	4.929	4.829	5.029	50.310	50.000	0.6
Heptachlor epoxide	5.691	5.591	5.791	50.830	50.000	1.7
Methoxychlor	7.493	7.393	7.593	49.750	50.000	-0.5
Tetrachloro-m-xylene	3.550	3.450	3.650	52.390	50.000	4.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/02/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089303.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.929	5.830	6.030	49.850	50.000	-0.3
4,4'-DDE	5.374	5.275	5.475	49.720	50.000	-0.6
4,4'-DDT	6.183	6.084	6.284	43.110	50.000	-13.8
Aldrin	4.368	4.269	4.469	50.690	50.000	1.4
alpha-BHC	3.393	3.293	3.493	51.360	50.000	2.7
alpha-Chlordane	5.189	5.091	5.291	50.090	50.000	0.2
beta-BHC	4.025	3.926	4.126	48.780	50.000	-2.4
Decachlorobiphenyl	8.071	7.972	8.172	46.580	50.000	-6.8
delta-BHC	4.262	4.162	4.362	50.000	50.000	0.0
Dieldrin	5.510	5.413	5.613	50.060	50.000	0.1
Endosulfan I	5.246	5.147	5.347	50.240	50.000	0.5
Endosulfan II	6.080	5.981	6.181	48.840	50.000	-2.3
Endosulfan sulfate	6.481	6.383	6.583	47.770	50.000	-4.5
Endrin	5.789	5.689	5.889	49.970	50.000	-0.1
Endrin aldehyde	6.258	6.159	6.359	47.620	50.000	-4.8
Endrin ketone	6.990	6.892	7.092	48.880	50.000	-2.2
gamma-BHC (Lindane)	3.729	3.630	3.830	49.430	50.000	-1.1
gamma-Chlordane	5.124	5.026	5.226	50.640	50.000	1.3
Heptachlor	4.082	3.983	4.183	48.100	50.000	-3.8
Heptachlor epoxide	4.872	4.773	4.973	52.590	50.000	5.2
Methoxychlor	6.753	6.655	6.855	49.510	50.000	-1.0
Tetrachloro-m-xylene	2.881	2.780	2.980	52.710	50.000	5.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 18:55 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 18:55 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/02/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089312.D **Time Analyzed:** 18:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.605	6.805	53.150	50.000	6.3
4,4'-DDE	6.196	6.096	6.296	50.200	50.000	0.4
4,4'-DDT	7.022	6.921	7.121	45.570	50.000	-8.9
Aldrin	5.272	5.171	5.371	52.990	50.000	6.0
alpha-BHC	4.000	3.899	4.099	53.490	50.000	7.0
alpha-Chlordane	6.028	5.927	6.127	51.740	50.000	3.5
beta-BHC	4.516	4.415	4.615	51.020	50.000	2.0
Decachlorobiphenyl	9.073	8.972	9.172	47.920	50.000	-4.2
delta-BHC	4.765	4.664	4.864	55.290	50.000	10.6
Dieldrin	6.348	6.247	6.447	52.020	50.000	4.0
Endosulfan I	6.074	5.975	6.175	51.710	50.000	3.4
Endosulfan II	6.787	6.686	6.886	50.770	50.000	1.5
Endosulfan sulfate	7.150	7.049	7.249	49.290	50.000	-1.4
Endrin	6.575	6.475	6.675	49.120	50.000	-1.8
Endrin aldehyde	6.916	6.815	7.015	49.530	50.000	-0.9
Endrin ketone	7.631	7.530	7.730	50.220	50.000	0.4
gamma-BHC (Lindane)	4.331	4.230	4.430	53.060	50.000	6.1
gamma-Chlordane	5.946	5.846	6.046	52.510	50.000	5.0
Heptachlor	4.930	4.829	5.029	51.270	50.000	2.5
Heptachlor epoxide	5.691	5.591	5.791	51.100	50.000	2.2
Methoxychlor	7.494	7.393	7.593	51.790	50.000	3.6
Tetrachloro-m-xylene	3.550	3.450	3.650	53.070	50.000	6.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/02/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089312.D **Time Analyzed:** 18:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.930	5.830	6.030	50.040	50.000	0.1
4,4'-DDE	5.376	5.275	5.475	50.100	50.000	0.2
4,4'-DDT	6.184	6.084	6.284	44.530	50.000	-10.9
Aldrin	4.369	4.269	4.469	51.390	50.000	2.8
alpha-BHC	3.393	3.293	3.493	52.390	50.000	4.8
alpha-Chlordane	5.191	5.091	5.291	50.520	50.000	1.0
beta-BHC	4.025	3.926	4.126	49.370	50.000	-1.3
Decachlorobiphenyl	8.073	7.972	8.172	47.250	50.000	-5.5
delta-BHC	4.262	4.162	4.362	50.800	50.000	1.6
Dieldrin	5.512	5.413	5.613	50.520	50.000	1.0
Endosulfan I	5.247	5.147	5.347	50.520	50.000	1.0
Endosulfan II	6.081	5.981	6.181	49.390	50.000	-1.2
Endosulfan sulfate	6.483	6.383	6.583	48.100	50.000	-3.8
Endrin	5.790	5.689	5.889	52.250	50.000	4.5
Endrin aldehyde	6.259	6.159	6.359	48.010	50.000	-4.0
Endrin ketone	6.992	6.892	7.092	48.820	50.000	-2.4
gamma-BHC (Lindane)	3.728	3.630	3.830	51.820	50.000	3.6
gamma-Chlordane	5.126	5.026	5.226	51.150	50.000	2.3
Heptachlor	4.083	3.983	4.183	49.370	50.000	-1.3
Heptachlor epoxide	4.873	4.773	4.973	53.130	50.000	6.3
Methoxychlor	6.754	6.655	6.855	51.520	50.000	3.0
Tetrachloro-m-xylene	2.882	2.780	2.980	54.310	50.000	8.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 23:01 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/02/2025 **Initial Calibration Date(s):** 06/17/2025 06/17/2025

Continuing Calib Time: 23:01 **Initial Calibration Time(s):** 15:52 16:47

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.01
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.76	6.66	6.86	0.01
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.13	5.03	5.23	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/02/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089324.D **Time Analyzed:** 23:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.605	6.805	53.900	50.000	7.8
4,4'-DDE	6.196	6.096	6.296	48.960	50.000	-2.1
4,4'-DDT	7.022	6.921	7.121	42.480	50.000	-15.0
Aldrin	5.272	5.171	5.371	55.580	50.000	11.2
alpha-BHC	4.000	3.899	4.099	56.340	50.000	12.7
alpha-Chlordane	6.027	5.927	6.127	51.820	50.000	3.6
beta-BHC	4.517	4.415	4.615	53.480	50.000	7.0
Decachlorobiphenyl	9.074	8.972	9.172	44.780	50.000	-10.4
delta-BHC	4.765	4.664	4.864	58.390	50.000	16.8
Dieldrin	6.348	6.247	6.447	51.290	50.000	2.6
Endosulfan I	6.075	5.975	6.175	52.410	50.000	4.8
Endosulfan II	6.787	6.686	6.886	49.360	50.000	-1.3
Endosulfan sulfate	7.150	7.049	7.249	46.940	50.000	-6.1
Endrin	6.574	6.475	6.675	48.210	50.000	-3.6
Endrin aldehyde	6.916	6.815	7.015	47.120	50.000	-5.8
Endrin ketone	7.631	7.530	7.730	46.780	50.000	-6.4
gamma-BHC (Lindane)	4.331	4.230	4.430	55.910	50.000	11.8
gamma-Chlordane	5.947	5.846	6.046	52.380	50.000	4.8
Heptachlor	4.930	4.829	5.029	53.610	50.000	7.2
Heptachlor epoxide	5.691	5.591	5.791	51.820	50.000	3.6
Methoxychlor	7.494	7.393	7.593	47.910	50.000	-4.2
Tetrachloro-m-xylene	3.551	3.450	3.650	55.620	50.000	11.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/02/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089324.D **Time Analyzed:** 23:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.930	5.830	6.030	49.290	50.000	-1.4
4,4'-DDE	5.375	5.275	5.475	53.810	50.000	7.6
4,4'-DDT	6.183	6.084	6.284	44.980	50.000	-10.0
Aldrin	4.369	4.269	4.469	54.630	50.000	9.3
alpha-BHC	3.392	3.293	3.493	55.460	50.000	10.9
alpha-Chlordane	5.189	5.091	5.291	52.850	50.000	5.7
beta-BHC	4.026	3.926	4.126	50.580	50.000	1.2
Decachlorobiphenyl	8.072	7.972	8.172	42.630	50.000	-14.7
delta-BHC	4.262	4.162	4.362	54.260	50.000	8.5
Dieldrin	5.511	5.413	5.613	53.020	50.000	6.0
Endosulfan I	5.245	5.147	5.347	43.330	50.000	-13.3
Endosulfan II	6.081	5.981	6.181	49.970	50.000	-0.1
Endosulfan sulfate	6.482	6.383	6.583	48.420	50.000	-3.2
Endrin	5.790	5.689	5.889	59.220	50.000	18.4
Endrin aldehyde	6.259	6.159	6.359	49.300	50.000	-1.4
Endrin ketone	6.991	6.892	7.092	46.520	50.000	-7.0
gamma-BHC (Lindane)	3.729	3.630	3.830	55.030	50.000	10.1
gamma-Chlordane	5.124	5.026	5.226	52.950	50.000	5.9
Heptachlor	4.083	3.983	4.183	52.180	50.000	4.4
Heptachlor epoxide	4.871	4.773	4.973	54.720	50.000	9.4
Methoxychlor	6.754	6.655	6.855	49.600	50.000	-0.8
Tetrachloro-m-xylene	2.880	2.780	2.980	56.730	50.000	13.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.071	8.970	9.170	21.440	20.000	7.2
Tetrachloro-m-xylene	3.550	3.500	3.600	19.860	20.000	-0.7
alpha-BHC	3.999	3.950	4.050	8.970	10.000	-10.3
beta-BHC	4.514	4.460	4.560	9.720	10.000	-2.8
gamma-BHC (Lindane)	4.330	4.280	4.380	9.320	10.000	-6.8
Endrin	6.574	6.500	6.640	50.260	50.000	0.5
4,4'-DDT	7.020	6.950	7.090	100.820	100.000	0.8
Methoxychlor	7.493	7.420	7.560	229.880	250.000	-8.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD088991.D **Date Analyzed:** 06/17/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:25

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.072	7.970	8.170	21.290	20.000	6.5
Tetrachloro-m-xylene	2.880	2.830	2.930	20.440	20.000	2.2
alpha-BHC	3.393	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.025	3.970	4.080	10.750	10.000	7.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.580	10.000	5.8
Endrin	5.789	5.720	5.860	50.490	50.000	1.0
4,4'-DDT	6.183	6.110	6.250	96.080	100.000	-3.9
Methoxychlor	6.754	6.680	6.820	198.860	250.000	-20.5

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089302.D **Date Analyzed:** 07/02/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.970	9.170	19.340	20.000	-3.3
Tetrachloro-m-xylene	3.550	3.500	3.600	19.670	20.000	-1.7
alpha-BHC	3.999	3.950	4.050	9.190	10.000	-8.1
beta-BHC	4.516	4.470	4.570	10.220	10.000	2.2
gamma-BHC (Lindane)	4.330	4.280	4.380	9.660	10.000	-3.4
Endrin	6.573	6.500	6.640	45.330	50.000	-9.3
4,4'-DDT	7.021	6.950	7.090	80.330	100.000	-19.7
Methoxychlor	7.493	7.420	7.560	179.550	250.000	-28.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089302.D **Date Analyzed:** 07/02/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.071	7.970	8.170	19.470	20.000	-2.7
Tetrachloro-m-xylene	2.879	2.830	2.930	20.510	20.000	2.6
alpha-BHC	3.391	3.340	3.440	10.690	10.000	6.9
beta-BHC	4.025	3.970	4.080	10.350	10.000	3.5
gamma-BHC (Lindane)	3.729	3.680	3.780	10.470	10.000	4.7
Endrin	5.788	5.720	5.860	46.570	50.000	-6.9
4,4'-DDT	6.182	6.110	6.250	78.790	100.000	-21.2
Methoxychlor	6.753	6.680	6.820	157.760	250.000	-36.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089311.D **Date Analyzed:** 07/02/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 18:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.970	9.170	19.370	20.000	-3.2
Tetrachloro-m-xylene	3.551	3.500	3.600	20.050	20.000	0.3
alpha-BHC	4.000	3.950	4.050	9.340	10.000	-6.6
beta-BHC	4.516	4.470	4.570	10.270	10.000	2.7
gamma-BHC (Lindane)	4.331	4.280	4.380	9.800	10.000	-2.0
Endrin	6.574	6.500	6.640	47.170	50.000	-5.7
4,4'-DDT	7.022	6.950	7.090	84.360	100.000	-15.6
Methoxychlor	7.493	7.420	7.560	188.780	250.000	-24.5

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/17/2025 06/17/2025

Client Sample No. (PEM): PEM - PD089311.D **Date Analyzed:** 07/02/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 18:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.071	7.970	8.170	19.620	20.000	-1.9
Tetrachloro-m-xylene	2.881	2.830	2.930	21.700	20.000	8.5
alpha-BHC	3.393	3.340	3.440	11.250	10.000	12.5
beta-BHC	4.026	3.980	4.080	10.560	10.000	5.6
gamma-BHC (Lindane)	3.728	3.680	3.780	10.960	10.000	9.6
Endrin	5.789	5.720	5.860	49.190	50.000	-1.6
4,4'-DDT	6.183	6.110	6.250	82.900	100.000	-17.1
Methoxychlor	6.753	6.680	6.820	167.690	250.000	-32.9

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Analytical Sequence

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	9.07	3.55
PEM	PEM	06/17/2025	15:25	PD088991.D	9.07	3.55
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	9.07	3.55
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	9.07	3.55
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	9.07	3.55
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	9.07	3.55
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	9.07	3.55
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	9.07	3.55
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	9.07	3.55
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	9.07	3.55
I.BLK	I.BLK	07/02/2025	09:28	PD089301.D	9.08	3.56
PEM	PEM	07/02/2025	09:41	PD089302.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/02/2025	09:55	PD089303.D	9.07	3.55
PB168693BL	PB168693BL	07/02/2025	16:29	PD089304.D	9.08	3.56
PB168693BS	PB168693BS	07/02/2025	17:20	PD089305.D	9.08	3.56
SOIL-PILEMS	Q2475-01MS	07/02/2025	17:47	PD089307.D	9.08	3.55
SOIL-PILEMSD	Q2475-01MSD	07/02/2025	18:00	PD089308.D	9.08	3.55
I.BLK	I.BLK	07/02/2025	18:28	PD089310.D	9.07	3.55
PEM	PEM	07/02/2025	18:41	PD089311.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/02/2025	18:55	PD089312.D	9.07	3.55
PIT#1	Q2473-01	07/02/2025	19:22	PD089313.D	9.07	3.55
PIT#2	Q2473-02	07/02/2025	19:36	PD089314.D	9.07	3.55
PIT#3	Q2473-03	07/02/2025	19:50	PD089315.D	9.07	3.55
PIT#4	Q2473-04	07/02/2025	20:03	PD089316.D	9.07	3.55
I.BLK	I.BLK	07/02/2025	21:39	PD089323.D	9.07	3.55
PSTDCCC050	PSTDCCC050	07/02/2025	23:01	PD089324.D	9.07	3.55

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Analytical Sequence

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/17/2025 06/17/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	06/17/2025	15:11	PD088990.D	8.07	2.88
PEM	PEM	06/17/2025	15:25	PD088991.D	8.07	2.88
RESCHK	RESCHK	06/17/2025	15:39	PD088992.D	8.07	2.88
PSTDICC100	PSTDICC100	06/17/2025	15:52	PD088993.D	8.07	2.88
PSTDICC075	PSTDICC075	06/17/2025	16:06	PD088994.D	8.07	2.88
PSTDICC050	PSTDICC050	06/17/2025	16:20	PD088995.D	8.07	2.88
PSTDICC025	PSTDICC025	06/17/2025	16:33	PD088996.D	8.07	2.88
PSTDICC005	PSTDICC005	06/17/2025	16:47	PD088997.D	8.07	2.88
PCHLORICC500	PCHLORICC500	06/17/2025	17:28	PD089000.D	8.07	2.88
PTOXICC500	PTOXICC500	06/17/2025	18:36	PD089005.D	8.07	2.88
I.BLK	I.BLK	07/02/2025	09:28	PD089301.D	8.07	2.88
PEM	PEM	07/02/2025	09:41	PD089302.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/02/2025	09:55	PD089303.D	8.07	2.88
PB168693BL	PB168693BL	07/02/2025	16:29	PD089304.D	8.07	2.88
PB168693BS	PB168693BS	07/02/2025	17:20	PD089305.D	8.07	2.88
SOIL-PILEMS	Q2475-01MS	07/02/2025	17:47	PD089307.D	8.07	2.88
SOIL-PILEMSD	Q2475-01MSD	07/02/2025	18:00	PD089308.D	8.07	2.88
I.BLK	I.BLK	07/02/2025	18:28	PD089310.D	8.07	2.88
PEM	PEM	07/02/2025	18:41	PD089311.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/02/2025	18:55	PD089312.D	8.07	2.88
PIT#1	Q2473-01	07/02/2025	19:22	PD089313.D	8.07	2.88
PIT#2	Q2473-02	07/02/2025	19:36	PD089314.D	8.07	2.88
PIT#3	Q2473-03	07/02/2025	19:50	PD089315.D	8.07	2.88
PIT#4	Q2473-04	07/02/2025	20:03	PD089316.D	8.07	2.88
I.BLK	I.BLK	07/02/2025	21:39	PD089323.D	8.07	2.88
PSTDCCC050	PSTDCCC050	07/02/2025	23:01	PD089324.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168693BS

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: PB168693BS **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	17.8	12.5
	2	5.93	5.88	5.98	15.7	
4,4'-DDE	1	6.20	6.15	6.25	15.6	3.8
	2	5.38	5.33	5.43	16.2	
4,4'-DDT	1	7.03	6.98	7.08	14.6	0
	2	6.18	6.13	6.23	14.6	
alpha-BHC	1	4.01	3.96	4.06	16.2	2.4
	2	3.39	3.34	3.44	16.6	
Aldrin	1	5.28	5.23	5.33	16.4	1.2
	2	4.37	4.32	4.42	16.2	
alpha-Chlordane	1	6.03	5.98	6.08	16.2	1.9
	2	5.19	5.14	5.24	15.9	
Endosulfan II	1	6.79	6.74	6.84	15.8	1.3
	2	6.08	6.03	6.13	16.0	
Endosulfan sulfate	1	7.16	7.11	7.21	15.8	1.3
	2	6.48	6.43	6.53	15.6	
beta-BHC	1	4.52	4.47	4.57	15.8	0.6
	2	4.03	3.98	4.08	15.7	
delta-BHC	1	4.77	4.72	4.82	17.6	8.3
	2	4.26	4.21	4.31	16.2	
Endosulfan I	1	6.08	6.03	6.13	16.4	13
	2	5.25	5.20	5.30	14.4	
Dieldrin	1	6.35	6.30	6.40	16.4	1.8
	2	5.51	5.46	5.56	16.1	
Endrin aldehyde	1	6.92	6.87	6.97	16.2	0.6
	2	6.26	6.21	6.31	16.1	
Methoxychlor	1	7.50	7.45	7.55	14.9	0.7
	2	6.76	6.71	6.81	15.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168693BS

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: PB168693BS **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.64	7.59	7.69	16.1	3.7
	2	6.99	6.94	7.04	16.7	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	16.3	1.9
	2	3.73	3.68	3.78	16.0	
Heptachlor	1	4.94	4.89	4.99	15.9	1.9
	2	4.08	4.03	4.13	15.6	
Heptachlor epoxide	1	5.70	5.65	5.75	16.0	2.5
	2	4.87	4.82	4.92	16.4	
gamma-Chlordane	1	5.95	5.90	6.00	16.2	1.9
	2	5.12	5.07	5.17	15.9	
Endrin	1	6.58	6.53	6.63	15.6	10.9
	2	5.79	5.74	5.84	17.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PIT#1

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2473-01 **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	9.20	6.7
	2	6.18	6.13	6.23	8.60	
Heptachlor	1	4.93	4.88	4.98	2.60	53.5
	2	4.08	4.03	4.13	4.50	
Aldrin	1	5.27	5.22	5.32	6.70	3
	2	4.37	4.32	4.42	6.50	
gamma-Chlordane	1	5.95	5.90	6.00	19.1	41
	2	5.13	5.08	5.18	12.6	
alpha-Chlordane	1	6.03	5.98	6.08	30.7	59.6
	2	5.19	5.14	5.24	16.6	
4,4'-DDE	1	6.20	6.15	6.25	5.40	15.4
	2	5.37	5.32	5.42	6.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PIT#2

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2473-02 **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	1.10	30.8
	2	6.18	6.13	6.23	1.50	
Heptachlor	1	4.93	4.88	4.98	0.45	73.5
	2	4.08	4.03	4.13	0.98	
Aldrin	1	5.27	5.22	5.32	1.40	6.9
	2	4.37	4.32	4.42	1.50	
gamma-Chlordane	1	5.95	5.90	6.00	2.20	25.6
	2	5.12	5.07	5.17	1.70	
alpha-Chlordane	1	6.03	5.98	6.08	3.50	50
	2	5.19	5.14	5.24	2.10	
4,4'-DDE	1	6.20	6.15	6.25	1.10	16.7
	2	5.37	5.32	5.42	1.30	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PIT#3

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2473-03 **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	1.30	20.7
	2	5.93	5.88	5.98	1.60	
4,4'-DDT	1	7.02	6.97	7.07	7.30	13.1
	2	6.18	6.13	6.23	6.40	
Heptachlor	1	4.93	4.88	4.98	2.60	40
	2	4.08	4.03	4.13	3.90	
Aldrin	1	5.27	5.22	5.32	6.00	1.7
	2	4.37	4.32	4.42	5.90	
gamma-Chlordane	1	5.95	5.90	6.00	12.8	32.7
	2	5.13	5.08	5.18	9.20	
alpha-Chlordane	1	6.03	5.98	6.08	18.5	52.6
	2	5.19	5.14	5.24	10.8	
4,4'-DDE	1	6.20	6.15	6.25	4.70	10.1
	2	5.37	5.32	5.42	5.20	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PIT#4

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2473-04 **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	0.45	9.3
	2	5.93	5.88	5.98	0.50	
4,4'-DDT	1	7.02	6.97	7.07	1.60	6.1
	2	6.18	6.13	6.23	1.70	
Heptachlor	1	4.93	4.88	4.98	0.52	25.4
	2	4.08	4.03	4.13	0.67	
Aldrin	1	5.27	5.22	5.32	1.20	22.2
	2	4.37	4.32	4.42	1.50	
gamma-Chlordane	1	5.95	5.90	6.00	2.30	35.9
	2	5.12	5.07	5.17	1.60	
alpha-Chlordane	1	6.03	5.98	6.08	3.70	38.7
	2	5.19	5.14	5.24	2.50	
4,4'-DDE	1	6.20	6.15	6.25	0.80	22.7
	2	5.37	5.32	5.42	1.00	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILEMS

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2475-01MS **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	20.8	24.9
	2	5.93	5.88	5.98	16.2	
4,4'-DDT	1	7.02	6.97	7.07	17.4	3.5
	2	6.18	6.13	6.23	16.8	
Aldrin	1	5.27	5.22	5.32	19.9	6.8
	2	4.37	4.32	4.42	18.6	
4,4'-DDE	1	6.20	6.15	6.25	15.3	23.1
	2	5.37	5.32	5.42	19.3	
Endosulfan II	1	6.79	6.74	6.84	18.0	3.3
	2	6.08	6.03	6.13	18.6	
Endrin aldehyde	1	6.92	6.87	6.97	18.4	1.1
	2	6.26	6.21	6.31	18.6	
Endosulfan sulfate	1	7.15	7.10	7.20	17.5	1.7
	2	6.48	6.43	6.53	17.2	
Methoxychlor	1	7.49	7.44	7.54	15.4	4
	2	6.75	6.70	6.80	14.8	
Endrin ketone	1	7.63	7.58	7.68	17.2	6.6
	2	6.99	6.94	7.04	16.1	
alpha-BHC	1	4.00	3.95	4.05	18.6	1.6
	2	3.39	3.34	3.44	18.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.2	6.6
	2	3.73	3.68	3.78	18.9	
Heptachlor	1	4.93	4.88	4.98	19.3	1.6
	2	4.08	4.03	4.13	19.0	
beta-BHC	1	4.52	4.47	4.57	15.0	31
	2	4.03	3.98	4.08	20.5	
delta-BHC	1	4.76	4.71	4.81	20.3	8.2
	2	4.26	4.21	4.31	18.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILEMS

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2475-01MS **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor epoxide	1	5.69	5.64	5.74	18.4	9.3
	2	4.87	4.82	4.92	20.2	
Endosulfan I	1	6.08	6.03	6.13	20.0	0
	2	5.25	5.20	5.30	20.0	
gamma-Chlordane	1	5.95	5.90	6.00	21.6	10.2
	2	5.12	5.07	5.17	19.5	
alpha-Chlordane	1	6.03	5.98	6.08	22.5	2.2
	2	5.19	5.14	5.24	22.0	
Dieldrin	1	6.35	6.30	6.40	18.6	12.1
	2	5.51	5.46	5.56	21.0	
Endrin	1	6.58	6.53	6.63	18.2	2.2
	2	5.79	5.74	5.84	18.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILEMSD

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2475-01MSD **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	17.7	3.9
	2	6.08	6.03	6.13	18.4	
4,4'-DDD	1	6.70	6.65	6.75	21.4	27.1
	2	5.93	5.88	5.98	16.3	
4,4'-DDT	1	7.02	6.97	7.07	16.2	2.5
	2	6.18	6.13	6.23	15.8	
Endrin aldehyde	1	6.92	6.87	6.97	18.0	1.1
	2	6.26	6.21	6.31	17.8	
Endosulfan sulfate	1	7.15	7.10	7.20	17.3	2.3
	2	6.48	6.43	6.53	16.9	
Methoxychlor	1	7.49	7.44	7.54	15.9	10.6
	2	6.75	6.70	6.80	14.3	
Endrin ketone	1	7.63	7.58	7.68	17.3	8.4
	2	6.99	6.94	7.04	15.9	
alpha-BHC	1	4.00	3.95	4.05	18.7	0
	2	3.39	3.34	3.44	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.8	5.7
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	18.4	1.1
	2	4.08	4.03	4.13	18.2	
Aldrin	1	5.27	5.22	5.32	19.3	4.2
	2	4.37	4.32	4.42	18.5	
beta-BHC	1	4.52	4.47	4.57	15.3	28.6
	2	4.03	3.98	4.08	20.4	
delta-BHC	1	4.76	4.71	4.81	20.0	7.8
	2	4.26	4.21	4.31	18.5	
Heptachlor epoxide	1	5.69	5.64	5.74	18.2	10.9
	2	4.87	4.82	4.92	20.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SOIL-PILEMSD

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2475-01MSD **Date(s) Analyzed:** 07/02/2025 07/02/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan I	1	6.07	6.02	6.12	20.1	0.5
	2	5.25	5.20	5.30	20.2	
gamma-Chlordane	1	5.95	5.90	6.00	19.3	3.7
	2	5.12	5.07	5.17	18.6	
alpha-Chlordane	1	6.03	5.98	6.08	22.2	1.4
	2	5.19	5.14	5.24	21.9	
4,4'-DDE	1	6.20	6.15	6.25	15.0	24
	2	5.38	5.33	5.43	19.1	
Dieldrin	1	6.35	6.30	6.40	18.4	12.7
	2	5.51	5.46	5.56	20.9	
Endrin	1	6.57	6.52	6.62	17.8	4.9
	2	5.79	5.74	5.84	18.7	

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LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2473 **Order ID:** Q2473

Client: JPCL Engineering **Project ID:** NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030926.D	1	07/02/25 11:30	07/07/25 15:27	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.60	U	8.60	74.4	ug/Kg
120-36-5	DICHLORPROP	14.2	U	14.2	74.4	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	74.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.1	U	10.1	74.4	ug/Kg
93-76-5	2,4,5-T	9.70	U	9.70	74.4	ug/Kg
94-82-6	2,4-DB	26.9	U	26.9	74.4	ug/Kg
88-85-7	DINOSEB	12.0	U	12.0	74.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	65.0		10 - 141	13%	SPK: 500

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030929.D	1	07/02/25 11:30	07/07/25 19:59	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.60	U	8.60	74.3	ug/Kg
120-36-5	DICHLORPROP	14.2	U	14.2	74.3	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	74.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	74.3	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	74.3	ug/Kg
94-82-6	2,4-DB	26.8	U	26.8	74.3	ug/Kg
88-85-7	DINOSEB	12.0	U	12.0	74.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	76.2		10 - 141	15%	SPK: 500

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.4 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030930.D	1	07/02/25 11:30	07/07/25 20:24	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	75.6	ug/Kg
120-36-5	DICHLORPROP	14.4	U	14.4	75.6	ug/Kg
94-75-7	2,4-D	10.2	U	10.2	75.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.2	U	10.2	75.6	ug/Kg
93-76-5	2,4,5-T	9.80	U	9.80	75.6	ug/Kg
94-82-6	2,4-DB	27.3	U	27.3	75.6	ug/Kg
88-85-7	DINOSEB	12.2	U	12.2	75.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	100		10 - 141	20%	SPK: 500

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

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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030933.D	1	07/02/25 11:30	07/07/25 22:00	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.6	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	73.6	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	73.6	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	73.6	ug/Kg
94-82-6	2,4-DB	26.6	U	26.6	73.6	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	271		10 - 141	54%	SPK: 500

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2473

Client: JPCL Engineering

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PS030738.D	PIBLK-PS030738.D	2,4-DCAA	1	500	414	83		61	136
		2,4-DCAA	2	500	487	97		61	136
I.BLK-PS030916.D	PIBLK-PS030916.D	2,4-DCAA	1	500	421	84		61	136
		2,4-DCAA	2	500	481	96		61	136
Q2473-01	PIT#1	2,4-DCAA	1	500	65.0	13		10	141
		2,4-DCAA	2	500	63.5	13		10	141
I.BLK-PS030927.D	PIBLK-PS030927.D	2,4-DCAA	1	500	468	94		61	136
		2,4-DCAA	2	500	502	100		61	136
Q2473-02	PIT#2	2,4-DCAA	1	500	62.0	12		10	141
		2,4-DCAA	2	500	76.2	15		10	141
Q2473-03	PIT#3	2,4-DCAA	1	500	89.6	18		10	141
		2,4-DCAA	2	500	100	20		10	141
I.BLK-PS030931.D	PIBLK-PS030931.D	2,4-DCAA	1	500	470	94		61	136
		2,4-DCAA	2	500	497	99		61	136
Q2473-04	PIT#4	2,4-DCAA	1	500	269	54		10	141
		2,4-DCAA	2	500	271	54		10	141
I.BLK-PS030940.D	PIBLK-PS030940.D	2,4-DCAA	1	500	472	94		61	136
		2,4-DCAA	2	500	494	99		61	136
I.BLK-PS030943.D	PIBLK-PS030943.D	2,4-DCAA	1	500	481	96		61	136
		2,4-DCAA	2	500	497	99		61	136
PB168706BL	PB168706BL	2,4-DCAA	1	500	452	90		10	141
		2,4-DCAA	2	500	489	98		10	141
Q2458-01MS	TP-76MS	2,4-DCAA	1	500	341	68		10	141
		2,4-DCAA	2	500	375	75		10	141
Q2458-01MSD	TP-76MSD	2,4-DCAA	1	500	347	69		10	141
		2,4-DCAA	2	500	378	76		10	141
I.BLK-PS030955.D	PIBLK-PS030955.D	2,4-DCAA	1	500	455	91		61	136
		2,4-DCAA	2	500	469	94		61	136
I.BLK-PS030958.D	PIBLK-PS030958.D	2,4-DCAA	1	500	456	91		61	136
		2,4-DCAA	2	500	462	92		61	136
PB168706BS	PB168706BS	2,4-DCAA	1	500	538	108		10	141
		2,4-DCAA	2	500	503	101		10	141
I.BLK-PS030966.D	PIBLK-PS030966.D	2,4-DCAA	1	500	449	90		61	136
		2,4-DCAA	2	500	467	93		61	136

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8151A

Client: JPCL Engineering **DataFile :** PS030949.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2458-01MS (Column 1)**	**Client Sample ID:**		**TP-76MS**								
	DICAMBA	183.4	0	86.9	ug/Kg	47				10	112	
	DICHLORPROP	183.4	0	95.6	ug/Kg	52				10	113	
	2,4-D	183.4	0	138	ug/Kg	75				10	144	
	2,4,5-TP(Silvex)	183.4	0	95.3	ug/Kg	52				10	114	
	2,4,5-T	183.4	0	99.8	ug/Kg	54				10	115	
	2,4-DB	183.4	0	97.1	ug/Kg	53				10	140	
	Dinoseb	183.4	0	0	ug/Kg	0	*			10	118	
Lab Sample ID:	**Q2458-01MS (Column 2)**	**Client Sample ID:**		**TP-76MS**								
	DICAMBA	183.4	0	84.8	ug/Kg	46				10	112	
	DICHLORPROP	183.4	0	103	ug/Kg	56				10	113	
	2,4-D	183.4	0	94.4	ug/Kg	51				10	144	
	2,4,5-TP(Silvex)	183.4	0	97.3	ug/Kg	53				10	114	
	2,4,5-T	183.4	0	91.0	ug/Kg	50				10	115	
	2,4-DB	183.4	0	85.1	ug/Kg	46				10	140	
	Dinoseb	183.4	0	0	ug/Kg	0	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8151A

Client: JPCL Engineering **DataFile :** PS030950.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2458-01MSD (Column 1)**	**Client Sample ID:**		**TP-76MSD**								
	DICAMBA	183.6	0	88.8	ug/Kg	48		2		10	112	20
	DICHLORPROP	183.6	0	95.0	ug/Kg	52		0		10	113	20
	2,4-D	183.6	0	139	ug/Kg	76		1		10	144	20
	2,4,5-TP(Silvex)	183.6	0	95.9	ug/Kg	52		0		10	114	20
	2,4,5-T	183.6	0	101	ug/Kg	55		2		10	115	20
	2,4-DB	183.6	0	95.5	ug/Kg	52		2		10	140	20
	Dinoseb	183.6	0	0	ug/Kg	0	*	0		10	118	20
Lab Sample ID:	**Q2458-01MSD (Column 2)**	**Client Sample ID:**		**TP-76MSD**								
	DICAMBA	183.6	0	86.3	ug/Kg	47		2		10	112	20
	DICHLORPROP	183.6	0	99.3	ug/Kg	54		4		10	113	20
	2,4-D	183.6	0	95.4	ug/Kg	52		2		10	144	20
	2,4,5-TP(Silvex)	183.6	0	96.8	ug/Kg	53		0		10	114	20
	2,4,5-T	183.6	0	90.4	ug/Kg	49		2		10	115	20
	2,4-DB	183.6	0	98.8	ug/Kg	54		16		10	140	20
	Dinoseb	183.6	0	0	ug/Kg	0	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2473 **Analytical Method:** 8151A

Client: JPCL Engineering **Datafile :** PS030965.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168706BS (Column 1)	DICAMBA	166.5	171	ug/Kg	103				72	129	
	DICHLORPROP	166.5	163	ug/Kg	98				77	135	
	2,4-D	166.5	184	ug/Kg	111				65	144	
	2,4,5-TP(Silvex)	166.5	176	ug/Kg	106				74	146	
	2,4,5-T	166.5	183	ug/Kg	110				77	134	
	2,4-DB	166.5	192	ug/Kg	115				72	122	
	Dinoseb	166.5	170	ug/Kg	102				74	132	
PB168706BS (Column 2)	DICAMBA	166.5	161	ug/Kg	97				72	129	
	DICHLORPROP	166.5	159	ug/Kg	95				77	135	
	2,4-D	166.5	153	ug/Kg	92				65	144	
	2,4,5-TP(Silvex)	166.5	167	ug/Kg	100				74	146	
	2,4,5-T	166.5	167	ug/Kg	100				77	134	
	2,4-DB	166.5	161	ug/Kg	97				72	122	
	Dinoseb	166.5	155	ug/Kg	93				74	132	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168706BL

Lab Name: Alliance | Contract: JPCL01

Lab Code: ACE | SDG NO.: Q2473

Lab Sample ID: PB168706BL | Lab File ID: PS030947.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/02/2025

Date Analyzed (1): 07/08/2025 | Date Analyzed (2): 07/08/2025

Time Analyzed (1): 12:19 | Time Analyzed (2): 12:19

Instrument ID (1): ECD_S | Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) | GC Column (2): RTX-CLP2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PIT#1	Q2473-01	PS030926.D	07/07/2025	07/07/2025
PIT#2	Q2473-02	PS030929.D	07/07/2025	07/07/2025
PIT#3	Q2473-03	PS030930.D	07/07/2025	07/07/2025
PIT#4	Q2473-04	PS030933.D	07/07/2025	07/07/2025
TP-76MS	Q2458-01MS	PS030949.D	07/08/2025	07/08/2025
TP-76MSD	Q2458-01MSD	PS030950.D	07/08/2025	07/08/2025
PB168706BS	PB168706BS	PS030965.D	07/09/2025	07/09/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168706BL	SDG No.:	Q2473
Lab Sample ID:	PB168706BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030947.D	1	07/02/25 11:30	07/08/25 12:19	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	7.70	U	7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	12.8	U	12.8	67.0	ug/Kg
94-75-7	2,4-D	9.00	U	9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.10	U	9.10	67.0	ug/Kg
93-76-5	2,4,5-T	8.70	U	8.70	67.0	ug/Kg
94-82-6	2,4-DB	24.2	U	24.2	67.0	ug/Kg
88-85-7	DINOSEB	10.8	U	10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	489		10 - 141	98%	SPK: 500

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	06/18/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	06/18/25
Client Sample ID:	PIBLK-PS030738.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030738.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030738.D	1		06/18/25	PS061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	487		61 - 136	97%	SPK: 500

Comments:

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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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/07/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/07/25
Client Sample ID:	PIBLK-PS030916.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030916.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030916.D	1		07/07/25	PS070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	481		61 - 136	96%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
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LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/07/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/07/25
Client Sample ID:	PIBLK-PS030927.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030927.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030927.D	1		07/07/25	PS070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	502		61 - 136	100%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/07/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/07/25
Client Sample ID:	PIBLK-PS030931.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030931.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030931.D	1		07/07/25	PS070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	497		61 - 136	99%	SPK: 500

Comments:

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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:	07/08/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/08/25
Client Sample ID:	PIBLK-PS030940.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030940.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030940.D	1		07/08/25	PS070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	494		61 - 136	99%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/08/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/08/25
Client Sample ID:	PIBLK-PS030943.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030943.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030943.D	1		07/08/25	PS070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	497		61 - 136	99%	SPK: 500

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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/08/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/08/25
Client Sample ID:	PIBLK-PS030955.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030955.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030955.D	1		07/08/25	ps070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	469		61 - 136	94%	SPK: 500

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
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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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/09/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/09/25
Client Sample ID:	PIBLK-PS030958.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030958.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030958.D	1		07/09/25	PS070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	462		61 - 136	92%	SPK: 500

Comments:

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LOD = Limit of Detection
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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
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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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/09/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/09/25
Client Sample ID:	PIBLK-PS030966.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-PS030966.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030966.D	1		07/09/25	ps070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	467		61 - 136	93%	SPK: 500

Comments:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168706BS	SDG No.:	Q2473
Lab Sample ID:	PB168706BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030965.D	1	07/02/25 11:30	07/09/25 14:04	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	171		7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	163		12.8	66.9	ug/Kg
94-75-7	2,4-D	184		9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	176		9.10	66.9	ug/Kg
93-76-5	2,4,5-T	183		8.70	66.9	ug/Kg
94-82-6	2,4-DB	192		24.2	66.9	ug/Kg
88-85-7	DINOSEB	170		10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	538		10 - 141	108%	SPK: 500

Comments:

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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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	06/26/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	06/27/25
Client Sample ID:	TP-76MS	SDG No.:	Q2473
Lab Sample ID:	Q2458-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030949.D	1	07/02/25 11:30	07/08/25 13:07	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	86.9		8.50	73.7	ug/Kg
120-36-5	DICHLORPROP	103		14.1	73.7	ug/Kg
94-75-7	2,4-D	138		9.90	73.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	97.3		10.0	73.7	ug/Kg
93-76-5	2,4,5-T	99.8		9.60	73.7	ug/Kg
94-82-6	2,4-DB	97.1		26.6	73.7	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	375		10 - 141	75%	SPK: 500

Comments:

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MDL = Method Detection Limit
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	06/26/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	06/27/25
Client Sample ID:	TP-76MSD	SDG No.:	Q2473
Lab Sample ID:	Q2458-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030950.D	1	07/02/25 11:30	07/08/25 13:32	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	88.8		8.50	73.8	ug/Kg
120-36-5	DICHLORPROP	99.3		14.1	73.8	ug/Kg
94-75-7	2,4-D	139		10.0	73.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	96.8		10.0	73.8	ug/Kg
93-76-5	2,4,5-T	101		9.60	73.8	ug/Kg
94-82-6	2,4-DB	98.8		26.7	73.8	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	378		10 - 141	76%	SPK: 500

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
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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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG NO.: Q2473
Instrument ID: ECD_S
Calibration Date(s): 06/18/2025 06/18/2025
Calibration Times: 11:25 13:29

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030739.D RT 500 = PS030740.D
RT 750 = PS030741.D RT 1000 = PS030742.D RT 1500 = PS030743.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.67	9.67	9.67	9.67	9.67	9.67	9.57	9.77
2,4,5-TP(Silvex)	9.38	9.38	9.38	9.38	9.38	9.38	9.28	9.48
2,4-D	8.49	8.49	8.49	8.49	8.49	8.49	8.39	8.59
2,4-DB	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
2,4-DCAA	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
DICAMBA	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
DICHLORPROP	8.25	8.25	8.25	8.25	8.25	8.25	8.15	8.35
Dinoseb	11.47	11.47	11.47	11.47	11.47	11.47	11.37	11.57

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Contract: JPCL01
Lab Code: ACE
SDG NO.: Q2473
Instrument ID: ECD_S
Calibration Date(s): 06/18/2025 06/18/2025
Calibration Times: 11:25 13:29

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030739.D RT 500 = PS030740.D
RT 750 = PS030741.D RT 1000 = PS030742.D RT 1500 = PS030743.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.36	10.36	10.36	10.36	10.36	10.36	10.26	10.46
2,4,5-TP(Silvex)	9.93	9.93	9.93	9.93	9.93	9.93	9.83	10.03
2,4-D	9.03	9.03	9.03	9.03	9.03	9.03	8.93	9.13
2,4-DB	10.93	10.93	10.93	10.93	10.93	10.93	10.83	11.03
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Dinoseb	11.31	11.31	11.31	11.31	11.31	11.31	11.21	11.41

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 06/18/2025 06/18/2025
Calibration Times: 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 (mm)

LAB FILE ID: CF 200 = PS030739.D CF 500 = PS030740.D
CF 750 = PS030741.D CF 1000 = PS030742.D CF 1500 = PS030743.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	17256700000	16680000000	16830000000	16187900000	15311000000	16453200000	5
2,4,5-TP(Silvex)	22282500000	20395400000	19977900000	18863900000	18632300000	20030400000	7
2,4-D	3868070000	3398090000	3305570000	3150720000	3499600000	3444410000	8
2,4-DB	2481600000	2363020000	2407410000	2376040000	1839440000	2293500000	11
2,4-DCAA	4451200000	3788090000	3593380000	3449860000	3089450000	3674390000	14
DICAMBA	17792700000	15914300000	15443300000	14605900000	12319200000	15215100000	13
DICHLORPROP	4637630000	3720970000	3496760000	3281660000	3591790000	3745760000	14
Dinoseb	15211800000	14001800000	13914000000	13244000000	12994300000	13873200000	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_S

Contract: JPCL01
SDG NO.: Q2473
Calibration Date(s): 06/18/2025 06/18/2025
Calibration Times: 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 (mm)

LAB FILE ID: CF 200 = PS030739.D CF 500 = PS030740.D
CF 750 = PS030741.D CF 1000 = PS030742.D CF 1500 = PS030743.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	15648900000	14018900000	13695900000	12933300000	12026100000	13664600000	10
2,4,5-TP(Silvex)	16493700000	14706300000	14316500000	13463300000	13163600000	14428700000	9
2,4-D	1965540000	1671750000	1622570000	1523690000	1713470000	1699410000	10
2,4-DB	1373320000	1199380000	1163600000	1108750000	1069470000	1182900000	10
2,4-DCAA	1283250000	1084080000	1050700000	993038000	948747000	1071960000	12
DICAMBA	7304970000	6653080000	6566460000	6277600000	5963960000	6553210000	8
DICHLORPROP	1855180000	1562920000	1498450000	1412800000	1533120000	1572500000	11
Dinoseb	12099400000	10862400000	10728600000	10218500000	9997410000	10781200000	8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 10:01 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 10:01 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030917.D **Time Analyzed:** 10:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.652	9.568	9.768	748.000	712.500	5.0
2,4,5-TP(Silvex)	9.358	9.275	9.475	696.660	712.500	-2.2
2,4-D	8.472	8.386	8.586	674.060	705.000	-4.4
2,4-DB	10.229	10.147	10.347	737.940	712.500	3.6
2,4-DCAA	7.337	7.249	7.449	690.210	750.000	-8.0
DICAMBA	7.526	7.439	7.639	672.540	705.000	-4.6
DICHLORPROP	8.240	8.153	8.353	630.010	705.000	-10.6
Dinoseb	11.446	11.366	11.566	693.780	705.000	-1.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030917.D **Time Analyzed:** 10:01

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.354	10.259	10.459	711.460	712.500	-0.1
2,4,5-TP(Silvex)	9.929	9.833	10.033	701.470	712.500	-1.5
2,4-D	9.024	8.927	9.127	668.430	705.000	-5.2
2,4-DB	10.922	10.827	11.027	689.590	712.500	-3.2
2,4-DCAA	7.767	7.670	7.870	717.630	750.000	-4.3
DICAMBA	7.969	7.872	8.072	695.230	705.000	-1.4
DICHLORPROP	8.688	8.591	8.791	656.420	705.000	-6.9
Dinoseb	11.307	11.211	11.411	670.630	705.000	-4.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 19:11 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 19:11 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030928.D **Time Analyzed:** 19:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.651	9.568	9.768	748.840	712.500	5.1
2,4,5-TP(Silvex)	9.357	9.275	9.475	704.070	712.500	-1.2
2,4-D	8.471	8.386	8.586	678.950	705.000	-3.7
2,4-DB	10.228	10.147	10.347	805.880	712.500	13.1
2,4-DCAA	7.336	7.249	7.449	705.080	750.000	-6.0
DICAMBA	7.526	7.439	7.639	681.450	705.000	-3.3
DICHLORPROP	8.239	8.153	8.353	640.190	705.000	-9.2
Dinoseb	11.444	11.366	11.566	689.280	705.000	-2.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030928.D **Time Analyzed:** 19:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.354	10.259	10.459	685.380	712.500	-3.8
2,4,5-TP(Silvex)	9.928	9.833	10.033	679.920	712.500	-4.6
2,4-D	9.023	8.927	9.127	639.930	705.000	-9.2
2,4-DB	10.921	10.827	11.027	670.940	712.500	-5.8
2,4-DCAA	7.766	7.670	7.870	691.990	750.000	-7.7
DICAMBA	7.968	7.872	8.072	671.890	705.000	-4.7
DICHLORPROP	8.687	8.591	8.791	637.410	705.000	-9.6
Dinoseb	11.306	11.211	11.411	648.840	705.000	-8.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 21:36 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/07/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 21:36 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030932.D **Time Analyzed:** 21:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.652	9.568	9.768	762.650	712.500	7.0
2,4,5-TP(Silvex)	9.358	9.275	9.475	709.800	712.500	-0.4
2,4-D	8.471	8.386	8.586	683.020	705.000	-3.1
2,4-DB	10.229	10.147	10.347	797.070	712.500	11.9
2,4-DCAA	7.336	7.249	7.449	697.140	750.000	-7.0
DICAMBA	7.526	7.439	7.639	684.890	705.000	-2.9
DICHLORPROP	8.239	8.153	8.353	641.940	705.000	-8.9
Dinoseb	11.444	11.366	11.566	693.310	705.000	-1.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/07/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030932.D **Time Analyzed:** 21:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.355	10.259	10.459	688.820	712.500	-3.3
2,4,5-TP(Silvex)	9.928	9.833	10.033	680.850	712.500	-4.4
2,4-D	9.024	8.927	9.127	639.250	705.000	-9.3
2,4-DB	10.922	10.827	11.027	673.080	712.500	-5.5
2,4-DCAA	7.766	7.670	7.870	694.830	750.000	-7.4
DICAMBA	7.969	7.872	8.072	671.350	705.000	-4.8
DICHLORPROP	8.688	8.591	8.791	636.650	705.000	-9.7
Dinoseb	11.307	11.211	11.411	651.850	705.000	-7.5

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 01:38 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 01:38 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030941.D **Time Analyzed:** 01:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.651	9.568	9.768	776.510	712.500	9.0
2,4,5-TP(Silvex)	9.357	9.275	9.475	716.040	712.500	0.5
2,4-D	8.470	8.386	8.586	695.710	705.000	-1.3
2,4-DB	10.227	10.147	10.347	806.190	712.500	13.1
2,4-DCAA	7.336	7.249	7.449	703.920	750.000	-6.1
DICAMBA	7.526	7.439	7.639	686.270	705.000	-2.7
DICHLORPROP	8.238	8.153	8.353	648.310	705.000	-8.0
Dinoseb	11.444	11.366	11.566	685.440	705.000	-2.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030941.D **Time Analyzed:** 01:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.354	10.259	10.459	691.170	712.500	-3.0
2,4,5-TP(Silvex)	9.928	9.833	10.033	682.700	712.500	-4.2
2,4-D	9.023	8.927	9.127	645.590	705.000	-8.4
2,4-DB	10.922	10.827	11.027	665.750	712.500	-6.6
2,4-DCAA	7.766	7.670	7.870	692.550	750.000	-7.7
DICAMBA	7.969	7.872	8.072	673.190	705.000	-4.5
DICHLORPROP	8.688	8.591	8.791	637.580	705.000	-9.6
Dinoseb	11.306	11.211	11.411	636.320	705.000	-9.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 09:27 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 09:27 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030944.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.651	9.568	9.768	770.730	712.500	8.2
2,4,5-TP(Silvex)	9.357	9.275	9.475	720.850	712.500	1.2
2,4-D	8.470	8.386	8.586	697.260	705.000	-1.1
2,4-DB	10.227	10.147	10.347	791.680	712.500	11.1
2,4-DCAA	7.336	7.249	7.449	733.720	750.000	-2.2
DICAMBA	7.525	7.439	7.639	690.450	705.000	-2.1
DICHLORPROP	8.238	8.153	8.353	650.710	705.000	-7.7
Dinoseb	11.444	11.366	11.566	691.050	705.000	-2.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030944.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.353	10.259	10.459	690.590	712.500	-3.1
2,4,5-TP(Silvex)	9.927	9.833	10.033	686.060	712.500	-3.7
2,4-D	9.022	8.927	9.127	643.990	705.000	-8.7
2,4-DB	10.921	10.827	11.027	675.660	712.500	-5.2
2,4-DCAA	7.765	7.670	7.870	691.710	750.000	-7.8
DICAMBA	7.967	7.872	8.072	676.030	705.000	-4.1
DICHLORPROP	8.686	8.591	8.791	652.190	705.000	-7.5
Dinoseb	11.305	11.211	11.411	642.510	705.000	-8.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/08/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.93	9.83	10.03	-0.01
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.32	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030956.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.654	9.568	9.768	763.100	712.500	7.1
2,4,5-TP(Silvex)	9.359	9.275	9.475	711.640	712.500	-0.1
2,4-D	8.473	8.386	8.586	693.790	705.000	-1.6
2,4-DB	10.231	10.147	10.347	786.470	712.500	10.4
2,4-DCAA	7.338	7.249	7.449	797.680	750.000	6.4
DICAMBA	7.527	7.439	7.639	688.250	705.000	-2.4
DICHLORPROP	8.241	8.153	8.353	643.890	705.000	-8.7
Dinoseb	11.449	11.366	11.566	696.870	705.000	-1.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030956.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.361	10.259	10.459	683.490	712.500	-4.1
2,4,5-TP(Silvex)	9.935	9.833	10.033	676.910	712.500	-5.0
2,4-D	9.028	8.927	9.127	670.510	705.000	-4.9
2,4-DB	10.929	10.827	11.027	668.780	712.500	-6.1
2,4-DCAA	7.770	7.670	7.870	683.440	750.000	-8.9
DICAMBA	7.973	7.872	8.072	663.860	705.000	-5.8
DICHLORPROP	8.693	8.591	8.791	640.710	705.000	-9.1
Dinoseb	11.315	11.211	11.411	644.320	705.000	-8.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 11:36 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 11:36 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.656	9.568	9.768	725.530	712.500	1.8
2,4,5-TP(Silvex)	9.361	9.275	9.475	678.460	712.500	-4.8
2,4-D	8.474	8.386	8.586	643.260	705.000	-8.8
2,4-DB	10.233	10.147	10.347	758.610	712.500	6.5
2,4-DCAA	7.338	7.249	7.449	683.770	750.000	-8.8
DICAMBA	7.528	7.439	7.639	643.540	705.000	-8.7
DICHLORPROP	8.241	8.153	8.353	643.260	705.000	-8.8
Dinoseb	11.451	11.366	11.566	661.940	705.000	-6.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL07 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.357	10.259	10.459	629.350	712.500	-11.7
2,4,5-TP(Silvex)	9.931	9.833	10.033	622.060	712.500	-12.7
2,4-D	9.024	8.927	9.127	614.410	705.000	-12.8
2,4-DB	10.925	10.827	11.027	607.740	712.500	-14.7
2,4-DCAA	7.764	7.670	7.870	694.400	750.000	-7.4
DICAMBA	7.967	7.872	8.072	602.990	705.000	-14.5
DICHLORPROP	8.687	8.591	8.791	588.230	705.000	-16.6
Dinoseb	11.311	11.211	11.411	586.380	705.000	-16.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 14:52 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Continuing Calib Date: 07/09/2025 **Initial Calibration Date(s):** 06/18/2025 06/18/2025

Continuing Calib Time: 14:52 **Initial Calibration Time(s):** 11:25 13:29

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.653	9.568	9.768	709.820	712.500	-0.4
2,4,5-TP(Silvex)	9.359	9.275	9.475	668.070	712.500	-6.2
2,4-D	8.471	8.386	8.586	643.940	705.000	-8.7
2,4-DB	10.231	10.147	10.347	759.090	712.500	6.5
2,4-DCAA	7.337	7.249	7.449	668.070	750.000	-10.9
DICAMBA	7.526	7.439	7.639	648.820	705.000	-8.0
DICHLORPROP	8.240	8.153	8.353	607.260	705.000	-13.9
Dinoseb	11.447	11.366	11.566	644.130	705.000	-8.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL08 **Date Analyzed:** 07/09/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.361	10.259	10.459	635.110	712.500	-10.9
2,4,5-TP(Silvex)	9.934	9.833	10.033	629.760	712.500	-11.6
2,4-D	9.028	8.927	9.127	626.500	705.000	-11.1
2,4-DB	10.929	10.827	11.027	617.890	712.500	-13.3
2,4-DCAA	7.769	7.670	7.870	636.310	750.000	-15.2
DICAMBA	7.972	7.872	8.072	613.280	705.000	-13.0
DICHLORPROP	8.692	8.591	8.791	588.860	705.000	-16.5
Dinoseb	11.313	11.211	11.411	588.950	705.000	-16.5

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Analytical Sequence

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/18/2025 06/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/18/2025	11:01	PS030738.D	7.35	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.35	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.35	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.35	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.35	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.35	0.00
I.BLK	I.BLK	07/07/2025	09:37	PS030916.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	10:01	PS030917.D	7.34	0.00
PIT#1	Q2473-01	07/07/2025	15:27	PS030926.D	7.34	0.00
I.BLK	I.BLK	07/07/2025	18:47	PS030927.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	19:11	PS030928.D	7.34	0.00
PIT#2	Q2473-02	07/07/2025	19:59	PS030929.D	7.34	0.00
PIT#3	Q2473-03	07/07/2025	20:24	PS030930.D	7.34	0.00
I.BLK	I.BLK	07/07/2025	20:48	PS030931.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	21:36	PS030932.D	7.34	0.00
PIT#4	Q2473-04	07/07/2025	22:00	PS030933.D	7.34	0.00
I.BLK	I.BLK	07/08/2025	00:50	PS030940.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	01:38	PS030941.D	7.34	0.00
I.BLK	I.BLK	07/08/2025	08:37	PS030943.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	09:27	PS030944.D	7.34	0.00
PB168706BL	PB168706BL	07/08/2025	12:19	PS030947.D	7.34	0.00
TP-76MS	Q2458-01MS	07/08/2025	13:07	PS030949.D	7.34	0.00
TP-76MSD	Q2458-01MSD	07/08/2025	13:32	PS030950.D	7.34	0.00
I.BLK	I.BLK	07/08/2025	15:41	PS030955.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	16:05	PS030956.D	7.34	0.00
I.BLK	I.BLK	07/09/2025	09:32	PS030958.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	11:36	PS030959.D	7.34	0.00
PB168706BS	PB168706BS	07/09/2025	14:04	PS030965.D	7.34	0.00
I.BLK	I.BLK	07/09/2025	14:28	PS030966.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	14:52	PS030967.D	7.34	0.00

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Analytical Sequence

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/18/2025 06/18/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	06/18/2025	11:01	PS030738.D	7.77	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.77	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.77	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.77	0.00
I.BLK	I.BLK	07/07/2025	09:37	PS030916.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	10:01	PS030917.D	7.77	0.00
PIT#1	Q2473-01	07/07/2025	15:27	PS030926.D	7.76	0.00
I.BLK	I.BLK	07/07/2025	18:47	PS030927.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	19:11	PS030928.D	7.77	0.00
PIT#2	Q2473-02	07/07/2025	19:59	PS030929.D	7.77	0.00
PIT#3	Q2473-03	07/07/2025	20:24	PS030930.D	7.77	0.00
I.BLK	I.BLK	07/07/2025	20:48	PS030931.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	21:36	PS030932.D	7.77	0.00
PIT#4	Q2473-04	07/07/2025	22:00	PS030933.D	7.77	0.00
I.BLK	I.BLK	07/08/2025	00:50	PS030940.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	01:38	PS030941.D	7.77	0.00
I.BLK	I.BLK	07/08/2025	08:37	PS030943.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	09:27	PS030944.D	7.77	0.00
PB168706BL	PB168706BL	07/08/2025	12:19	PS030947.D	7.77	0.00
TP-76MS	Q2458-01MS	07/08/2025	13:07	PS030949.D	7.77	0.00
TP-76MSD	Q2458-01MSD	07/08/2025	13:32	PS030950.D	7.77	0.00
I.BLK	I.BLK	07/08/2025	15:41	PS030955.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	16:05	PS030956.D	7.77	0.00
I.BLK	I.BLK	07/09/2025	09:32	PS030958.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	11:36	PS030959.D	7.76	0.00
PB168706BS	PB168706BS	07/09/2025	14:04	PS030965.D	7.77	0.00
I.BLK	I.BLK	07/09/2025	14:28	PS030966.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/09/2025	14:52	PS030967.D	7.77	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168706BS

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: PB168706BS **Date(s) Analyzed:** 07/09/2025 07/09/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.65	9.60	9.70	183	9.1
	2	10.36	10.31	10.41	167	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	176	5.2
	2	9.93	9.88	9.98	167	
2,4-D	1	8.47	8.42	8.52	184	18.4
	2	9.03	8.98	9.08	153	
2,4-DB	1	10.23	10.18	10.28	192	17.6
	2	10.93	10.88	10.98	161	
DICHLORPROP	1	8.24	8.19	8.29	163	2.5
	2	8.69	8.64	8.74	159	
Dinoseb	1	11.45	11.40	11.50	170	9.2
	2	11.31	11.26	11.36	155	
DICAMBA	1	7.53	7.48	7.58	171	6
	2	7.97	7.92	8.02	161	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-76MS

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2458-01MS **Date(s) Analyzed:** 07/08/2025 07/08/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICAMBA	1	7.53	7.48	7.58	86.9	2.4
	2	7.97	7.92	8.02	84.8	
DICHLORPROP	1	8.24	8.19	8.29	95.6	7.5
	2	8.69	8.64	8.74	103	
2,4-D	1	8.47	8.42	8.52	138	37.5
	2	9.03	8.98	9.08	94.4	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	95.3	2.1
	2	9.93	9.88	9.98	97.3	
2,4,5-T	1	9.65	9.60	9.70	99.8	9.2
	2	10.36	10.31	10.41	91.0	
2,4-DB	1	10.23	10.18	10.28	97.1	13.2
	2	10.93	10.88	10.98	85.1	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-76MSD

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **SDG NO.:** Q2473

Lab Sample ID: Q2458-01MSD **Date(s) Analyzed:** 07/08/2025 07/08/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.47	8.42	8.52	139	37.2
	2	9.03	8.98	9.08	95.4	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	95.9	0.9
	2	9.94	9.89	9.99	96.8	
2,4,5-T	1	9.66	9.61	9.71	101	11.1
	2	10.36	10.31	10.41	90.4	
2,4-DB	1	10.23	10.18	10.28	95.5	3.4
	2	10.93	10.88	10.98	98.8	
DICHLORPROP	1	8.24	8.19	8.29	95.0	4.4
	2	8.69	8.64	8.74	99.3	
DICAMBA	1	7.53	7.48	7.58	88.8	2.9
	2	7.97	7.92	8.02	86.3	

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LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
			TPH GC	8015D		07/10/25	07/10/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
			TPH GC	8015D		07/10/25	07/11/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
			TPH GC	8015D		07/10/25	07/11/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/02/25	07/02/25	
			Pesticide-TCL	8081B		07/02/25	07/02/25	
			TPH GC	8015D		07/10/25	07/10/25	

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	90 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016277.D	10	07/10/25 09:00	07/10/25 15:42	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	133000		4260	31400	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	1.50		37 - 130	75%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	90.1 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016292.D	10	07/10/25 09:00	07/11/25 9:39	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	141000		4250	31400	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	1.35		37 - 130	68%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	88.4 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016293.D	5	07/10/25 09:00	07/11/25 10:09	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	104000		2170	16000	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	2.25		37 - 130	56%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016139.D	1	07/10/25 09:00	07/10/25 16:12	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	17300		423	3120	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	15.9		37 - 130	79%	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

QC SUMMARY

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SOIL TPH GC SURROGATE RECOVERY

Lab Name: Alliance Client: JPCL Engineering

Lab Code: ACE SDG No.: Q2473

CLIENT ID	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF016136.D	101				0
PIBLK-FF016144.D	107				0
PIBLK-FG016271.D	95				0
PIBLK-FG016280.D	96				0
PIBLK-FG016289.D	119				0
PIBLK-FG016294.D	93				0
PB168785BL	93				0
PB168785BS	94				0
PIT#1	75				0
PIT#2	68				0
PIT#3	56				0
PIT#4	79				0
PIT#4MS	62				0
PIT#4MSD	62				0

	QC LIMITS
TETRACOSANE-d50	For Water : 29-130 For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** JPCL Engineering

Lab Code: ACE **SDG No:** Q2473

Client Sample ID : PIT#4MS **Datafile:** FF016140.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	12475	17300	26567	74%		68-131

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SOIL TPH GC MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** JPCL Engineering

Lab Code: ACE **SDG No:** Q2473

Client Sample ID : PIT#4MSD **Datafile:** FF016141.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS(%)
Petroleum Hydrocarbons	12487	17300	27090	78%		68-131

MS/MSD % Recovery RPD : 5.4

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SOIL TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance **Client:** JPCL Engineering

Lab Code: ACE **SDG No:** Q2473

Client Sample ID : PB168785BS **Datafile:** FG016275.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	11330	0	9997	88	68-131

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4B

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB168785BL

Lab Name: Alliance Contract: JPCL01

Lab Code: ACE SDG NO.: Q2473

Lab File ID: FG016274.D Lab Sample ID: PB168785BL

Instrument ID: FG Date Extracted: 07/10/2025

Matrix: (soil/water) Soil Date Analyzed: 07/10/25

Level: (low/med) low Time Analyzed: 13:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PIT#4	Q2473-04	FF016139.D	07/10/25
PIT#4MS	Q2473-04MS	FF016140.D	07/10/25
PIT#4MSD	Q2473-04MSD	FF016141.D	07/10/25
PB168785BS	PB168785BS	FG016275.D	07/10/25
PIT#1	Q2473-01	FG016277.D	07/10/25
PIT#2	Q2473-02	FG016292.D	07/11/25
PIT#3	Q2473-03	FG016293.D	07/11/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168785BL	SDG No.:	Q2473
Lab Sample ID:	PB168785BL	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016274.D	1	07/10/25 09:00	07/10/25 13:43	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	384	U	384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.5		37 - 130	93%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/10/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/10/25
Client Sample ID:	PIBLK-FF016136.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-FF016136.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016136.D	1		07/10/25	FF071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	20.2		29 - 130	101%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/10/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/10/25
Client Sample ID:	PIBLK-FF016144.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-FF016144.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016144.D	1		07/10/25	FF071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	21.3		29 - 130	107%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/10/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/10/25
Client Sample ID:	PIBLK-FG016271.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-FG016271.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016271.D	1		07/10/25	FG071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.9		29 - 130	95%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/10/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/10/25
Client Sample ID:	PIBLK-FG016280.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-FG016280.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016280.D	1		07/10/25	FG071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	19.1		29 - 130	96%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/11/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/11/25
Client Sample ID:	PIBLK-FG016289.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-FG016289.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016289.D	1		07/11/25	FG071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	23.8		29 - 130	119%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/11/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/11/25
Client Sample ID:	PIBLK-FG016294.D	SDG No.:	Q2473
Lab Sample ID:	I.BLK-FG016294.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016294.D	1		07/11/25	FG071125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
PHC	Petroleum Hydrocarbons	12.0	U	12.0	85.0	ug/L
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.6		29 - 130	93%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NOHO RFI No. SC64025 NYC	Date Received:	
Client Sample ID:	PB168785BS	SDG No.:	Q2473
Lab Sample ID:	PB168785BS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG016275.D	1	07/10/25 09:00	07/10/25 14:13	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	10000		384	2830	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	18.8		37 - 130	94%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4MS	SDG No.:	Q2473
Lab Sample ID:	Q2473-04MS	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016140.D	1	07/10/25 09:00	07/10/25 16:42	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	26600		423	3120	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	12.4		37 - 130	62%	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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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4MSD	SDG No.:	Q2473
Lab Sample ID:	Q2473-04MSD	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	90.7 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	TPH GC
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF016141.D	1	07/10/25 09:00	07/10/25 17:12	PB168785

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	27100		423	3120	ug/kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	12.5		37 - 130	62%	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

CALIBRATION SUMMARY

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TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Alliance
Contract: JPCL01
ProjectID: NOHO RFI No. SC64025 NYC
Lab Code: ACE
SDG No.: Q2473

Calibration Sequence : FF071025		Test : TPH GC	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1700	164684190	96873	FF016130.D
850	89059595	104776	FF016131.D
340	36559731	107529	FF016132.D
170	19906477	117097	FF016133.D
85	9088990	106929	FF016134.D
AVG RF : 106641	**% RSD : 6.78**		**AVG RT : 15.1002**

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TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Alliance
Contract: JPCL01
ProjectID: NOHO RFI No. SC64025 NYC
Lab Code: ACE
SDG No.: Q2473

Calibration Sequence : FG070925		Test : TPH GC	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1700	164717398	96893	FG016264.D
850	83171210	97848	FG016265.D
340	35101863	103241	FG016266.D
170	18639349	109643	FG016267.D
85	9352448	110029	FG016268.D
AVG RF : 103531	**% RSD : 6.032**		**AVG RT : 15.201**

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: JPCL01

ProjectID: NOHO RFI No. SC64025 NYC

Lab Code: ACE SDG No.: Q2473

DataFile: FF016137.D Analyst Name: YP\AJ Analyst Date: 07-10-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	80684234	94923	106641	10.988

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: JPCL01

ProjectID: NOHO RFI No. SC64025 NYC

Lab Code: ACE SDG No.: Q2473

DataFile: FF016145.D Analyst Name: YP\AJ Analyst Date: 07-10-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	99480292	117036	106641	9.748

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: JPCL01

ProjectID: NOHO RFI No. SC64025 NYC

Lab Code: ACE SDG No.: Q2473

DataFile: FG016272.D Analyst Name: YP\AJ Analyst Date: 07-10-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	98219150	115552	103531	11.611

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: JPCL01

ProjectID: NOHO RFI No. SC64025 NYC

Lab Code: ACE SDG No.: Q2473

DataFile: FG016281.D Analyst Name: YP\AJ Analyst Date: 07-10-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	80120065	94259	103531	8.956

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: JPCL01

ProjectID: NOHO RFI No. SC64025 NYC

Lab Code: ACE SDG No.: Q2473

DataFile: FG016290.D Analyst Name: YP\AJ Analyst Date: 07-11-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	102882275	121038	103531	16.91

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TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: JPCL01

ProjectID: NOHO RFI No. SC64025 NYC

Lab Code: ACE SDG No.: Q2473

DataFile: FG016295.D Analyst Name: YP\AJ Analyst Date: 07-11-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	103034749	121217	103531	17.083

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Analytical Sequence

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Instrument ID:** FID_G

GC Column: RXI-1MS **ID:** 0.18 **(mm)**

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION **15.1002**

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	10 Jul 2025 13:43	FF016136.D	15.097	
50 PPM TRPH STD	50 PPM TRPH STD	10 Jul 2025 15:12	FF016137.D	15.100	
PIT#4	Q2473-04	10 Jul 2025 16:12	FF016139.D	15.097	
PIT#4MS	Q2473-04MS	10 Jul 2025 16:42	FF016140.D	15.096	
PIT#4MSD	Q2473-04MSD	10 Jul 2025 17:12	FF016141.D	15.097	
PIBLK02	I.BLK02	10 Jul 2025 18:41	FF016144.D	15.098	
50 PPM TRPH STD	50 PPM TRPH STD	10 Jul 2025 20:11	FF016145.D	15.099	
PIBLK03	I.BLK03	10 Jul 2025 10:45	FG016271.D	15.198	
50 PPM TRPH STD	50 PPM TRPH STD	10 Jul 2025 12:44	FG016272.D	15.201	
PB168785BL	PB168785BL	10 Jul 2025 13:43	FG016274.D	15.197	
PB168785BS	PB168785BS	10 Jul 2025 14:13	FG016275.D	15.197	
PIT#1	Q2473-01	10 Jul 2025 15:42	FG016277.D	15.201	
PIBLK04	I.BLK04	10 Jul 2025 17:12	FG016280.D	15.211	
50 PPM TRPH STD	50 PPM TRPH STD	10 Jul 2025 18:41	FG016281.D	15.210	
PIBLK05	I.BLK05	11 Jul 2025 08:11	FG016289.D	15.204	
50 PPM TRPH STD	50 PPM TRPH STD	11 Jul 2025 08:40	FG016290.D	15.208	
PIT#2	Q2473-02	11 Jul 2025 09:39	FG016292.D	15.292	
PIT#3	Q2473-03	11 Jul 2025 10:09	FG016293.D	15.205	
PIBLK06	I.BLK06	11 Jul 2025 10:39	FG016294.D	15.205	
50 PPM TRPH STD	50 PPM TRPH STD	11 Jul 2025 11:08	FG016295.D	15.208	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	15.101	15.301

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016276.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 14:43
Operator : YP\AJ
Sample : Q2473-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PIT#1

Integration File: autoint1.e
Quant Time: Jul 11 04:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Quant Title :
QLast Update : Wed Jul 09 12:46:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.199	1545239	15.455 ug/ml
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.

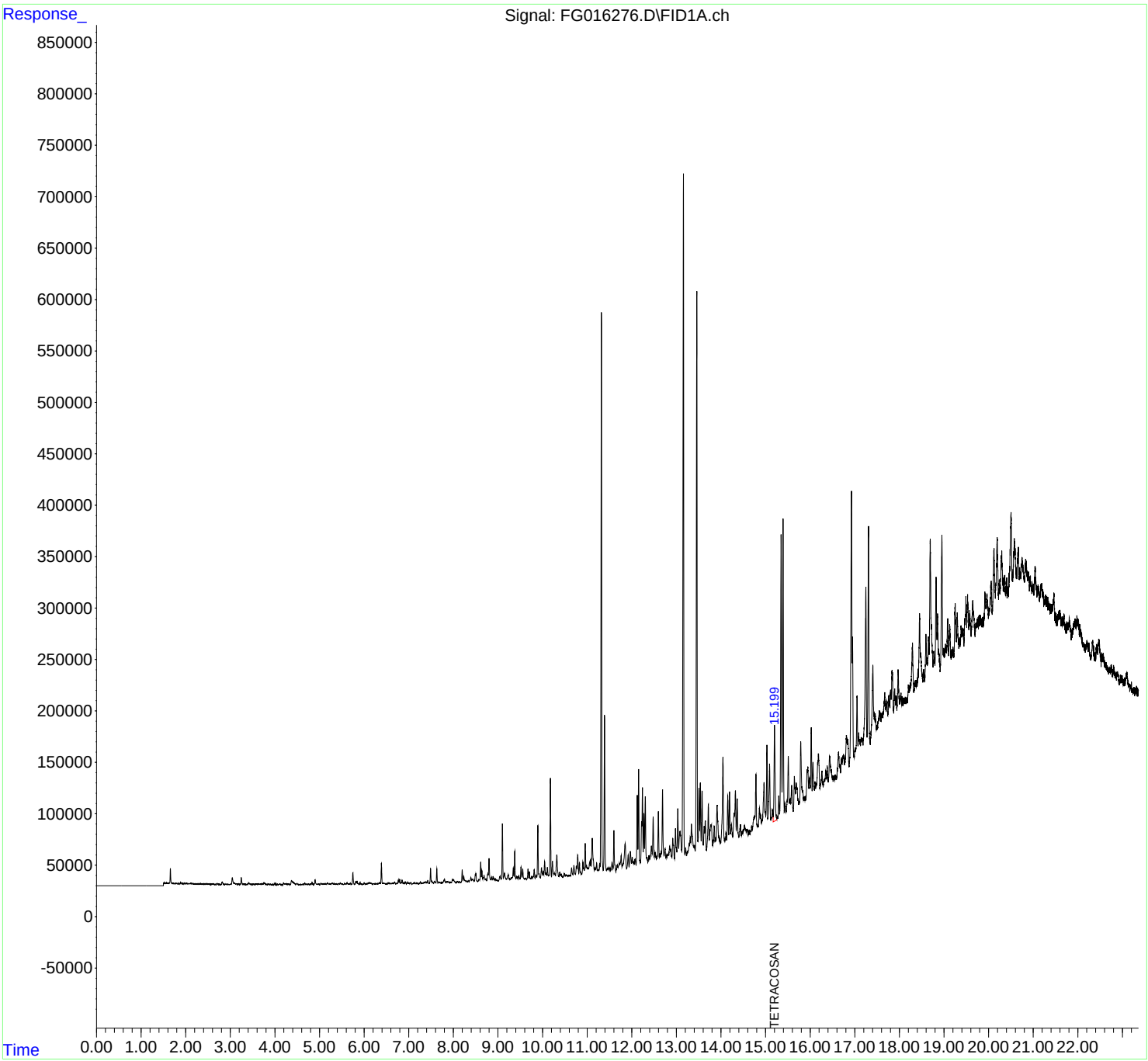
Quantitation Report (QT Reviewed)

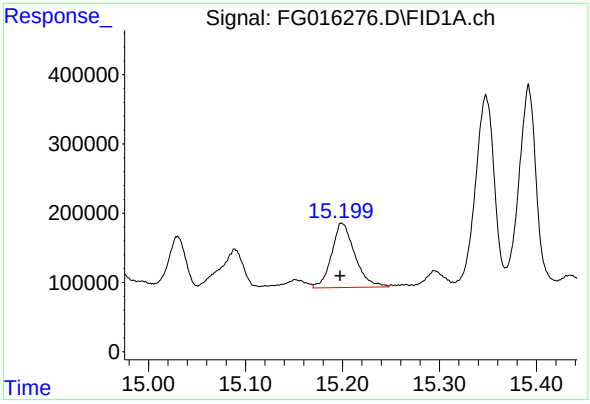
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016276.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 14:43
Operator : YP\AJ
Sample : Q2473-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PIT#1

Integration File: autoint1.e
Quant Time: Jul 11 04:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Quant Title :
QLast Update : Wed Jul 09 12:46:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.199 min
Delta R.T.: 0.002 min
Response: 1545239
Conc: 15.45 ug/ml

Instrument :
FID_G
ClientSampleId :
PIT#1

A
B
C
D
E
F
G

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016276.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 14:43
Sample : Q2473-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.018	2.000	2.053	BV	135	2533	0.03%	0.001%
2	2.059	2.053	2.082	VV	136	1450	0.02%	0.000%
3	2.102	2.082	2.148	PV	483	9983	0.11%	0.003%
4	2.152	2.148	2.169	VV	271	1940	0.02%	0.001%
5	2.180	2.169	2.191	VV	185	1680	0.02%	0.000%
6	2.193	2.191	2.199	VV	147	546	0.01%	0.000%
7	2.203	2.199	2.228	VV	165	1546	0.02%	0.000%
8	2.231	2.228	2.236	VV	138	561	0.01%	0.000%
9	2.240	2.236	2.255	VV	113	546	0.01%	0.000%
10	2.264	2.255	2.278	VV	145	1272	0.01%	0.000%
11	2.288	2.278	2.292	VV	216	1349	0.02%	0.000%
12	2.297	2.292	2.304	VV	230	1043	0.01%	0.000%
13	2.321	2.304	2.375	VV	400	9407	0.11%	0.003%
14	2.408	2.375	2.447	VV	754	11503	0.13%	0.003%
15	2.459	2.447	2.504	VV	871	15344	0.17%	0.004%
16	2.510	2.504	2.530	VV	104	635	0.01%	0.000%
17	2.544	2.530	2.562	PV	204	2123	0.02%	0.001%
18	2.603	2.562	2.642	VV	576	10492	0.12%	0.003%
19	2.646	2.642	2.652	VV	116	477	0.01%	0.000%
20	2.669	2.652	2.684	PV	218	2085	0.02%	0.001%
21	2.704	2.684	2.770	VV	1238	20048	0.23%	0.006%
22	2.774	2.770	2.791	VV	103	333	0.00%	0.000%
23	2.815	2.791	2.864	PV	2437	40923	0.46%	0.011%
24	2.869	2.864	2.877	VV	121	619	0.01%	0.000%
25	2.896	2.877	2.928	PV	372	7717	0.09%	0.002%
26	2.932	2.928	2.938	VV	217	1115	0.01%	0.000%
27	2.945	2.938	2.966	VV	409	4558	0.05%	0.001%
28	2.974	2.966	2.989	VV	235	2613	0.03%	0.001%
29	3.014	2.989	3.019	VV	574	6329	0.07%	0.002%
30	3.044	3.019	3.083	VV	6786	118279	1.34%	0.032%
31	3.095	3.083	3.118	VV	1546	22390	0.25%	0.006%
32	3.137	3.118	3.167	VV	1042	18180	0.21%	0.005%
33	3.180	3.167	3.197	VV	446	6092	0.07%	0.002%
34	3.216	3.197	3.227	VV	307	4259	0.05%	0.001%
35	3.244	3.227	3.293	VV	7025	85217	0.97%	0.023%
36	3.297	3.293	3.323	VV	530	6623	0.08%	0.002%

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37	3.329	3.323	3.342	VV	344	3081	0.03%	0.001%
38	3.345	3.342	3.354	VV	235	1552	0.02%	0.000%
39	3.381	3.354	3.386	VV	299	4506	0.05%	0.001%
40	3.410	3.386	3.504	VV	2116	48237	0.55%	0.013%
41	3.525	3.504	3.540	VV	495	8994	0.10%	0.002%
42	3.552	3.540	3.568	VV	506	7033	0.08%	0.002%
43	3.585	3.568	3.603	VV	481	9718	0.11%	0.003%
44	3.638	3.603	3.657	VV	683	18353	0.21%	0.005%
45	3.659	3.657	3.671	VV	639	4973	0.06%	0.001%
46	3.700	3.671	3.711	VV	674	14054	0.16%	0.004%
47	3.729	3.711	3.733	VV	933	10665	0.12%	0.003%
48	3.753	3.733	3.793	VV	1798	42711	0.48%	0.012%
49	3.799	3.793	3.821	VV	440	5878	0.07%	0.002%
50	3.824	3.821	3.842	VV	290	2854	0.03%	0.001%
51	3.856	3.842	3.883	VV	777	11955	0.14%	0.003%
52	3.896	3.883	3.913	VV	535	6802	0.08%	0.002%
53	3.920	3.913	3.928	VV	263	1989	0.02%	0.001%
54	3.943	3.928	3.977	VV	383	7446	0.08%	0.002%
55	3.996	3.977	4.013	VV	1188	15002	0.17%	0.004%
56	4.020	4.013	4.036	VV	746	7105	0.08%	0.002%
57	4.047	4.036	4.075	VV	537	7255	0.08%	0.002%
58	4.096	4.075	4.160	VV	776	16175	0.18%	0.004%
59	4.191	4.160	4.230	PV	1923	37159	0.42%	0.010%
60	4.239	4.230	4.288	VV	1052	24603	0.28%	0.007%
61	4.298	4.288	4.346	VV	641	13709	0.16%	0.004%
62	4.371	4.346	4.400	VV	4147	85209	0.97%	0.023%
63	4.412	4.400	4.459	VV	2785	57766	0.66%	0.016%
64	4.470	4.459	4.478	VV	663	6771	0.08%	0.002%
65	4.496	4.478	4.522	VV	1499	20847	0.24%	0.006%
66	4.529	4.522	4.542	VV	266	2521	0.03%	0.001%
67	4.568	4.542	4.582	VV	376	6697	0.08%	0.002%
68	4.586	4.582	4.598	VV	278	2303	0.03%	0.001%
69	4.624	4.598	4.646	VV	448	9145	0.10%	0.003%
70	4.669	4.646	4.690	VV	1919	23637	0.27%	0.006%
71	4.707	4.690	4.726	VV	926	11386	0.13%	0.003%
72	4.745	4.726	4.770	VV	665	10178	0.12%	0.003%
73	4.794	4.770	4.812	VV	565	9425	0.11%	0.003%
74	4.833	4.812	4.872	VV	2639	33629	0.38%	0.009%
75	4.901	4.872	4.938	VV	4922	69361	0.79%	0.019%
76	4.956	4.938	4.970	VV	739	9577	0.11%	0.003%
77	4.983	4.970	5.010	VV	630	9482	0.11%	0.003%
78	5.034	5.010	5.057	VV	1547	22347	0.25%	0.006%
79	5.089	5.057	5.105	VV	753	17924	0.20%	0.005%
80	5.120	5.105	5.129	VV	733	8582	0.10%	0.002%
81	5.133	5.129	5.152	VV	681	8402	0.10%	0.002%
82	5.175	5.152	5.207	VV	1101	27200	0.31%	0.007%
83	5.220	5.207	5.236	VV	763	11366	0.13%	0.003%
84	5.287	5.236	5.308	VV	1535	42548	0.48%	0.012%
85	5.323	5.308	5.348	VV	1001	15905	0.18%	0.004%
86	5.380	5.348	5.402	VV	866	19623	0.22%	0.005%
87	5.430	5.402	5.446	VV	1170	17831	0.20%	0.005%
88	5.463	5.446	5.476	VV	1635	18535	0.21%	0.005%
89	5.490	5.476	5.508	VV	1017	15772	0.18%	0.004%

90	5.516	5.508	5.536	VV	585	5561	0.06%	0.002%
91	5.558	5.536	5.573	PV	951	11717	0.13%	0.003%
92	5.579	5.573	5.598	VV	645	8649	0.10%	0.002%
93	5.616	5.598	5.644	VV	2120	26985	0.31%	0.007%
94	5.661	5.644	5.671	VV	790	10688	0.12%	0.003%
95	5.688	5.671	5.707	VV	1121	15868	0.18%	0.004%
96	5.718	5.707	5.729	VV	443	4357	0.05%	0.001%
97	5.748	5.729	5.794	VV	11619	132271	1.50%	0.036%
98	5.813	5.794	5.827	VV	3176	35807	0.41%	0.010%
99	5.843	5.827	5.858	VV	3271	40735	0.46%	0.011%
100	5.863	5.858	5.885	VV	1071	11097	0.13%	0.003%
101	5.889	5.885	5.892	VV	384	1424	0.02%	0.000%
102	5.909	5.892	5.964	VV	2299	28953	0.33%	0.008%
103	6.002	5.964	6.029	VV	1624	21770	0.25%	0.006%
104	6.056	6.029	6.070	VV	756	13226	0.15%	0.004%
105	6.086	6.070	6.097	VV	1397	15585	0.18%	0.004%
106	6.107	6.097	6.117	VV	1530	15098	0.17%	0.004%
107	6.129	6.117	6.142	VV	1932	22187	0.25%	0.006%
108	6.152	6.142	6.192	VV	1057	19897	0.23%	0.005%
109	6.205	6.192	6.217	VV	687	7231	0.08%	0.002%
110	6.225	6.217	6.231	VV	678	4560	0.05%	0.001%
111	6.233	6.231	6.239	VV	488	2039	0.02%	0.001%
112	6.245	6.239	6.264	VV	491	6257	0.07%	0.002%
113	6.269	6.264	6.280	VV	447	4068	0.05%	0.001%
114	6.298	6.280	6.307	VV	729	8847	0.10%	0.002%
115	6.351	6.307	6.366	VV	1600	32846	0.37%	0.009%
116	6.388	6.366	6.416	VV	20560	204813	2.32%	0.056%
117	6.437	6.416	6.449	VV	1128	17268	0.20%	0.005%
118	6.458	6.449	6.479	VV	819	9883	0.11%	0.003%
119	6.496	6.479	6.513	VV	767	8887	0.10%	0.002%
120	6.538	6.513	6.552	PV	1123	15594	0.18%	0.004%
121	6.559	6.552	6.566	VV	994	7372	0.08%	0.002%
122	6.577	6.566	6.605	VV	1049	16953	0.19%	0.005%
123	6.619	6.605	6.634	VV	910	10423	0.12%	0.003%
124	6.646	6.634	6.655	VV	801	8656	0.10%	0.002%
125	6.659	6.655	6.663	VV	738	3497	0.04%	0.001%
126	6.683	6.663	6.719	VV	1813	30956	0.35%	0.008%
127	6.738	6.719	6.744	VV	525	6461	0.07%	0.002%
128	6.766	6.744	6.782	VV	3995	48121	0.55%	0.013%
129	6.798	6.782	6.818	VV	4498	51759	0.59%	0.014%
130	6.851	6.818	6.872	VV	3950	58709	0.67%	0.016%
131	6.885	6.872	6.903	VV	1546	17609	0.20%	0.005%
132	6.923	6.903	6.951	VV	2362	29467	0.33%	0.008%
133	6.967	6.951	6.989	VV	1571	21153	0.24%	0.006%
134	7.004	6.989	7.020	VV	1119	12720	0.14%	0.003%
135	7.047	7.020	7.072	VV	1239	20726	0.24%	0.006%
136	7.078	7.072	7.090	VV	234	1161	0.01%	0.000%
137	7.115	7.090	7.120	PV	566	7013	0.08%	0.002%
138	7.136	7.120	7.153	VV	1364	14564	0.17%	0.004%
139	7.174	7.153	7.210	VV	970	17222	0.20%	0.005%
140	7.221	7.210	7.230	PV	175	1440	0.02%	0.000%
141	7.261	7.230	7.278	VV	2014	23122	0.26%	0.006%

142	7.296	7.278	7.317	VV	495	8588	0.10%	0.002%
143	7.335	7.317	7.349	VV	1282	17166	0.19%	0.005%
144	7.361	7.349	7.370	VV	1334	15293	0.17%	0.004%
145	7.389	7.370	7.407	VV	1937	28563	0.32%	0.008%
146	7.426	7.407	7.459	VV	3099	41414	0.47%	0.011%
147	7.489	7.459	7.507	VV	14821	158738	1.80%	0.044%
148	7.516	7.507	7.535	VV	2614	32622	0.37%	0.009%
149	7.539	7.535	7.557	VV	1291	10420	0.12%	0.003%
150	7.577	7.557	7.608	VV	2251	37008	0.42%	0.010%
151	7.629	7.608	7.655	VV	14418	147505	1.67%	0.040%
152	7.671	7.655	7.691	VV	1408	20044	0.23%	0.006%
153	7.701	7.691	7.718	VV	982	11936	0.14%	0.003%
154	7.724	7.718	7.739	VV	527	5249	0.06%	0.001%
155	7.783	7.739	7.789	VV	2114	30970	0.35%	0.008%
156	7.802	7.789	7.835	VV	4208	61785	0.70%	0.017%
157	7.861	7.835	7.882	VV	1443	30887	0.35%	0.008%
158	7.891	7.882	7.911	VV	1228	16206	0.18%	0.004%
159	7.929	7.911	7.951	VV	963	15260	0.17%	0.004%
160	7.980	7.951	7.995	VV	3426	51118	0.58%	0.014%
161	8.009	7.995	8.026	VV	3284	45732	0.52%	0.013%
162	8.035	8.026	8.057	VV	1459	13873	0.16%	0.004%
163	8.097	8.057	8.113	PV	1631	27665	0.31%	0.008%
164	8.138	8.113	8.155	VV	902	18257	0.21%	0.005%
165	8.160	8.155	8.164	VV	336	1692	0.02%	0.000%
166	8.199	8.164	8.217	VV	12581	139087	1.58%	0.038%
167	8.234	8.217	8.277	VV	6231	109060	1.24%	0.030%
168	8.288	8.277	8.310	VV	1529	23128	0.26%	0.006%
169	8.334	8.310	8.352	VV	1283	22352	0.25%	0.006%
170	8.393	8.352	8.410	VV	4682	84140	0.95%	0.023%
171	8.422	8.410	8.433	VV	2950	33896	0.38%	0.009%
172	8.442	8.433	8.457	VV	2471	30479	0.35%	0.008%
173	8.463	8.457	8.473	VV	1356	10892	0.12%	0.003%
174	8.493	8.473	8.499	VV	7672	72049	0.82%	0.020%
175	8.507	8.499	8.546	VV	8090	94795	1.07%	0.026%
176	8.577	8.546	8.588	VV	2147	37444	0.42%	0.010%
177	8.614	8.588	8.629	VV	19063	222976	2.53%	0.061%
178	8.641	8.629	8.660	VV	10713	121171	1.37%	0.033%
179	8.690	8.660	8.714	VV	5647	118333	1.34%	0.032%
180	8.728	8.714	8.748	VV	2843	37400	0.42%	0.010%
181	8.771	8.748	8.782	VV	7036	92247	1.05%	0.025%
182	8.801	8.782	8.837	VV	22316	302432	3.43%	0.083%
183	8.856	8.837	8.872	VV	4126	53820	0.61%	0.015%
184	8.892	8.872	8.906	VV	4777	60581	0.69%	0.017%
185	8.915	8.906	8.929	VV	2167	23737	0.27%	0.007%
186	8.941	8.929	8.958	VV	1948	23936	0.27%	0.007%
187	8.983	8.958	9.009	VV	689	14301	0.16%	0.004%
188	9.048	9.009	9.070	PV	4189	80849	0.92%	0.022%
189	9.101	9.070	9.122	VV	55238	573834	6.51%	0.157%
190	9.147	9.122	9.186	VV	7327	149527	1.70%	0.041%
191	9.234	9.186	9.255	VV	5531	132193	1.50%	0.036%
192	9.265	9.255	9.279	VV	1614	18674	0.21%	0.005%
193	9.296	9.279	9.310	VV	2599	33574	0.38%	0.009%
194	9.346	9.310	9.360	VV	12038	168572	1.91%	0.046%

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195	9.377	9.360	9.400	VV	28165	297658	3.38%	0.082%
196	9.417	9.400	9.430	VV	3629	44883	0.51%	0.012%
197	9.437	9.430	9.455	VV	2533	34053	0.39%	0.009%
198	9.470	9.455	9.486	VV	3968	46831	0.53%	0.013%
199	9.517	9.486	9.538	VV	12445	157777	1.79%	0.043%
200	9.557	9.538	9.594	VV	10713	131793	1.49%	0.036%
201	9.617	9.594	9.642	VV	1042	17984	0.20%	0.005%
202	9.675	9.642	9.691	PV	10044	112195	1.27%	0.031%
203	9.706	9.691	9.726	VV	7165	73276	0.83%	0.020%
204	9.731	9.726	9.742	VV	730	5849	0.07%	0.002%
205	9.759	9.742	9.774	VV	2976	33906	0.38%	0.009%
206	9.812	9.774	9.834	VV	9024	130704	1.48%	0.036%
207	9.853	9.834	9.872	VV	3735	54295	0.62%	0.015%
208	9.895	9.872	9.916	VV	51815	556025	6.30%	0.153%
209	9.921	9.916	9.954	VV	4838	56268	0.64%	0.015%
210	9.976	9.954	10.005	VV	10302	169809	1.93%	0.047%
211	10.018	10.005	10.029	VV	7186	74575	0.85%	0.020%
212	10.048	10.029	10.067	VV	16527	219700	2.49%	0.060%
213	10.078	10.067	10.090	VV	5146	58266	0.66%	0.016%
214	10.108	10.090	10.132	VV	10423	144228	1.64%	0.040%
215	10.177	10.132	10.200	VV	97179	1018489	11.55%	0.280%
216	10.222	10.200	10.260	VV	16265	251614	2.85%	0.069%
217	10.273	10.260	10.290	VV	4120	58803	0.67%	0.016%
218	10.320	10.290	10.364	VV	22178	405216	4.59%	0.111%
219	10.385	10.364	10.403	VV	5001	65893	0.75%	0.018%
220	10.420	10.403	10.447	VV	3229	45054	0.51%	0.012%
221	10.487	10.447	10.514	PV	3374	61929	0.70%	0.017%
222	10.530	10.514	10.544	VV	2038	28364	0.32%	0.008%
223	10.550	10.544	10.570	VV	1532	17063	0.19%	0.005%
224	10.591	10.570	10.602	PV	1376	14293	0.16%	0.004%
225	10.617	10.602	10.626	VV	1260	13304	0.15%	0.004%
226	10.651	10.626	10.681	VV	8255	127669	1.45%	0.035%
227	10.703	10.681	10.731	VV	10341	153901	1.75%	0.042%
228	10.760	10.731	10.770	VV	9653	133208	1.51%	0.037%
229	10.788	10.770	10.811	VV	20269	280092	3.18%	0.077%
230	10.827	10.811	10.869	VV	12236	177159	2.01%	0.049%
231	10.905	10.869	10.937	VV	12537	241018	2.73%	0.066%
232	10.956	10.937	10.975	VV	30455	373704	4.24%	0.103%
233	10.985	10.975	11.001	VV	9323	120048	1.36%	0.033%
234	11.012	11.001	11.029	VV	6672	99137	1.12%	0.027%
235	11.054	11.029	11.065	VV	11522	185955	2.11%	0.051%
236	11.078	11.065	11.089	VV	14137	159717	1.81%	0.044%
237	11.114	11.089	11.158	VV	34591	724870	8.22%	0.199%
238	11.177	11.158	11.195	VV	5108	102813	1.17%	0.028%
239	11.213	11.195	11.231	VV	10505	140274	1.59%	0.038%
240	11.241	11.231	11.262	VV	3485	59059	0.67%	0.016%
241	11.280	11.262	11.289	VV	9503	103104	1.17%	0.028%
242	11.319	11.289	11.359	VV	545238	6126410	69.47%	1.681%
243	11.389	11.359	11.430	VV	153095	1718098	19.48%	0.472%
244	11.441	11.430	11.456	VV	3241	44030	0.50%	0.012%
245	11.468	11.456	11.477	VV	3109	36507	0.41%	0.010%
246	11.489	11.477	11.534	VV	3971	99490	1.13%	0.027%

247	11.557	11.534	11.579	VV	8939	134551	1.53%	0.037%
248	11.599	11.579	11.644	VV	39562	488166	5.54%	0.134%
249	11.674	11.644	11.689	PV	4879	85899	0.97%	0.024%
250	11.724	11.689	11.734	VV	6864	142649	1.62%	0.039%
251	11.762	11.734	11.781	VV	14414	245273	2.78%	0.067%
252	11.852	11.781	11.885	VV	25088	654886	7.43%	0.180%
253	11.920	11.885	11.939	VV	13446	193894	2.20%	0.053%
254	11.968	11.939	11.993	VV	16431	295359	3.35%	0.081%
255	12.010	11.993	12.027	VV	10448	148399	1.68%	0.041%
256	12.035	12.027	12.041	VV	4966	38372	0.44%	0.011%
257	12.045	12.041	12.058	VV	4805	46205	0.52%	0.013%
258	12.075	12.058	12.094	VV	7760	116985	1.33%	0.032%
259	12.123	12.094	12.138	VV	69619	805923	9.14%	0.221%
260	12.154	12.138	12.195	VV	94564	1072215	12.16%	0.294%
261	12.221	12.195	12.227	VV	42481	439278	4.98%	0.121%
262	12.240	12.227	12.256	VV	75324	852218	9.66%	0.234%
263	12.272	12.256	12.287	VV	50542	578059	6.55%	0.159%
264	12.304	12.287	12.338	VV	66724	871654	9.88%	0.239%
265	12.345	12.338	12.361	VV	6719	71031	0.81%	0.019%
266	12.381	12.361	12.402	VV	8517	142607	1.62%	0.039%
267	12.404	12.402	12.409	VV	5914	22548	0.26%	0.006%
268	12.440	12.409	12.459	VV	17398	334477	3.79%	0.092%
269	12.480	12.459	12.505	VV	45071	603657	6.84%	0.166%
270	12.525	12.505	12.551	VV	10282	213160	2.42%	0.059%
271	12.597	12.551	12.618	VV	49400	681888	7.73%	0.187%
272	12.630	12.618	12.642	VV	7742	89275	1.01%	0.025%
273	12.662	12.642	12.669	VV	9627	120477	1.37%	0.033%
274	12.691	12.669	12.724	VV	69747	901889	10.23%	0.248%
275	12.746	12.724	12.765	VV	11274	186094	2.11%	0.051%
276	12.780	12.765	12.792	VV	5367	61426	0.70%	0.017%
277	12.805	12.792	12.817	VV	5843	70978	0.80%	0.019%
278	12.850	12.817	12.864	VV	13577	249103	2.82%	0.068%
279	12.872	12.864	12.900	VV	9934	129221	1.47%	0.035%
280	12.920	12.900	12.958	VV	19986	350305	3.97%	0.096%
281	12.981	12.958	13.012	PV	29053	423153	4.80%	0.116%
282	13.033	13.012	13.052	VV	47682	619447	7.02%	0.170%
283	13.082	13.052	13.122	VV	25503	728493	8.26%	0.200%
284	13.159	13.122	13.189	VV	662438	7974308	90.42%	2.189%
285	13.210	13.189	13.229	VV	7907	90661	1.03%	0.025%
286	13.247	13.229	13.260	PV	4150	51706	0.59%	0.014%
287	13.287	13.260	13.297	VV	11258	171611	1.95%	0.047%
288	13.312	13.297	13.323	VV	16203	213305	2.42%	0.059%
289	13.339	13.323	13.402	VV	29491	711412	8.07%	0.195%
290	13.407	13.402	13.423	VV	6689	64781	0.73%	0.018%
291	13.459	13.423	13.480	VV	544946	6464750	73.30%	1.774%
292	13.508	13.480	13.523	VV	62359	818382	9.28%	0.225%
293	13.538	13.523	13.557	VV	67561	782647	8.87%	0.215%
294	13.577	13.557	13.605	VV	58544	801229	9.09%	0.220%
295	13.624	13.605	13.634	VV	24231	293092	3.32%	0.080%
296	13.648	13.634	13.675	VV	28404	392206	4.45%	0.108%
297	13.717	13.675	13.739	PV	44171	662579	7.51%	0.182%
298	13.771	13.739	13.782	VV	23281	475935	5.40%	0.131%
299	13.787	13.782	13.815	VV	22491	250715	2.84%	0.069%

300	13.850	13.815	13.869	VV	20913	335589	3.81%	0.092%
301	13.881	13.869	13.890	VV	9481	99098	1.12%	0.027%
302	13.912	13.890	13.990	VV	40110	930461	10.55%	0.255%
303	14.044	13.990	14.080	VV	84565	1423949	16.15%	0.391%
304	14.111	14.080	14.127	VV	9095	149716	1.70%	0.041%
305	14.152	14.127	14.173	VV	45361	621226	7.04%	0.170%
306	14.193	14.173	14.213	VV	48727	597839	6.78%	0.164%
307	14.234	14.213	14.262	VV	16353	303660	3.44%	0.083%
308	14.300	14.262	14.306	VV	26586	439394	4.98%	0.121%
309	14.323	14.306	14.344	VV	47540	679508	7.71%	0.186%
310	14.364	14.344	14.402	VV	39097	552537	6.27%	0.152%
311	14.435	14.402	14.456	VV	12611	228551	2.59%	0.063%
312	14.473	14.456	14.485	VV	5656	72539	0.82%	0.020%
313	14.526	14.485	14.555	VV	10347	297467	3.37%	0.082%
314	14.558	14.555	14.566	VV	6261	32606	0.37%	0.009%
315	14.585	14.566	14.616	VV	6077	127459	1.45%	0.035%
316	14.632	14.616	14.645	VV	3796	39040	0.44%	0.011%
317	14.689	14.645	14.704	PV	7109	130814	1.48%	0.036%
318	14.747	14.704	14.763	VV	15808	418823	4.75%	0.115%
319	14.784	14.763	14.808	VV	55117	755960	8.57%	0.207%
320	14.811	14.808	14.836	VV	6592	82334	0.93%	0.023%
321	14.862	14.836	14.879	VV	20333	333901	3.79%	0.092%
322	14.889	14.879	14.907	VV	14078	176740	2.00%	0.049%
323	14.966	14.907	15.005	VV	43756	1121454	12.72%	0.308%
324	15.030	15.005	15.051	VV	78215	1030022	11.68%	0.283%
325	15.089	15.051	15.115	VV	59000	1042578	11.82%	0.286%
326	15.152	15.115	15.170	VV	13324	256170	2.90%	0.070%
327	15.199	15.170	15.248	VV	93845	1585526	17.98%	0.435%
328	15.295	15.248	15.315	VV	22625	354478	4.02%	0.097%
329	15.348	15.315	15.368	VV	274118	3699644	41.95%	1.015%
330	15.392	15.368	15.422	VV	289051	3538019	40.12%	0.971%
331	15.435	15.422	15.462	VV	13384	206399	2.34%	0.057%
332	15.510	15.462	15.534	VV	55964	983321	11.15%	0.270%
333	15.545	15.534	15.562	VV	14168	207091	2.35%	0.057%
334	15.584	15.562	15.619	VV	26917	473345	5.37%	0.130%
335	15.646	15.619	15.672	VV	34269	611278	6.93%	0.168%
336	15.688	15.672	15.753	VV	27466	772447	8.76%	0.212%
337	15.788	15.753	15.854	VV	65145	1481813	16.80%	0.407%
338	15.858	15.854	15.864	VV	8815	48388	0.55%	0.013%
339	15.872	15.864	15.878	VV	9473	69646	0.79%	0.019%
340	15.895	15.878	15.900	VV	9737	108569	1.23%	0.030%
341	15.946	15.900	15.967	VV	36586	966898	10.96%	0.265%
342	15.981	15.967	15.999	VV	25806	404875	4.59%	0.111%
343	16.023	15.999	16.044	VV	74096	1064829	12.07%	0.292%
344	16.063	16.044	16.095	VV	39379	693970	7.87%	0.190%
345	16.109	16.095	16.123	VV	18490	266389	3.02%	0.073%
346	16.188	16.123	16.217	VV	44255	1482652	16.81%	0.407%
347	16.265	16.217	16.291	VV	25773	758606	8.60%	0.208%
348	16.316	16.291	16.324	VV	17016	281331	3.19%	0.077%
349	16.350	16.324	16.365	VV	24417	485086	5.50%	0.133%
350	16.382	16.365	16.407	VV	28779	506924	5.75%	0.139%
351	16.436	16.407	16.464	VV	37495	913287	10.36%	0.251%

352	16.467	16.464	16.494	VV	22832	356980	4.05%	0.098%
353	16.496	16.494	16.516	VV	16469	191032	2.17%	0.052%
354	16.529	16.516	16.549	VV	16335	271348	3.08%	0.074%
355	16.561	16.549	16.580	VV	15953	263194	2.98%	0.072%
356	16.584	16.580	16.588	VV	13275	54056	0.61%	0.015%
357	16.636	16.588	16.658	VV	36694	1020716	11.57%	0.280%
358	16.664	16.658	16.681	VV	24367	293916	3.33%	0.081%
359	16.702	16.681	16.717	VV	29612	508764	5.77%	0.140%
360	16.748	16.717	16.770	VV	31793	872781	9.90%	0.240%
361	16.778	16.770	16.783	VV	26551	197860	2.24%	0.054%
362	16.813	16.783	16.838	VV	48718	1269340	14.39%	0.348%
363	16.845	16.838	16.872	VV	44384	676814	7.67%	0.186%
364	16.926	16.872	16.943	VV	282782	5008242	56.79%	1.374%
365	16.950	16.943	16.990	VV	141277	1858199	21.07%	0.510%
366	17.007	16.990	17.014	VV	32495	412643	4.68%	0.113%
367	17.051	17.014	17.072	VV	82021	1665020	18.88%	0.457%
368	17.090	17.072	17.130	VV	45765	1306765	14.82%	0.359%
369	17.149	17.130	17.154	VV	39123	537354	6.09%	0.147%
370	17.159	17.154	17.192	VV	38972	822949	9.33%	0.226%
371	17.249	17.192	17.276	VV	181472	4244279	48.13%	1.165%
372	17.308	17.276	17.347	VV	241350	4145648	47.01%	1.138%
373	17.406	17.347	17.445	VV	103472	3541087	40.15%	0.972%
374	17.457	17.445	17.487	VV	55306	1224733	13.89%	0.336%
375	17.550	17.487	17.578	VV	56627	2614580	29.65%	0.718%
376	17.584	17.578	17.587	VV	48785	262625	2.98%	0.072%
377	17.610	17.587	17.615	VV	52638	829190	9.40%	0.228%
378	17.627	17.615	17.634	VV	52594	572136	6.49%	0.157%
379	17.672	17.634	17.704	VV	71722	2532971	28.72%	0.695%
380	17.716	17.704	17.738	VV	62254	1166485	13.23%	0.320%
381	17.764	17.738	17.788	VV	66815	1740783	19.74%	0.478%
382	17.805	17.788	17.815	VV	70995	1053105	11.94%	0.289%
383	17.838	17.815	17.873	VV	89252	2525135	28.63%	0.693%
384	17.895	17.873	17.918	VV	70408	1620997	18.38%	0.445%
385	17.924	17.918	17.927	VV	61749	307430	3.49%	0.084%
386	17.931	17.927	17.945	VV	60995	599011	6.79%	0.164%
387	17.973	17.945	17.999	VV	86445	2195371	24.89%	0.603%
388	18.035	17.999	18.053	VV	63436	1868565	21.19%	0.513%
389	18.062	18.053	18.080	VV	57572	878016	9.96%	0.241%
390	18.089	18.080	18.095	VV	57093	518097	5.87%	0.142%
391	18.101	18.095	18.117	VV	57024	696113	7.89%	0.191%
392	18.130	18.117	18.145	VV	57631	926760	10.51%	0.254%
393	18.150	18.145	18.167	VV	54003	698684	7.92%	0.192%
394	18.172	18.167	18.177	VV	55336	314900	3.57%	0.086%
395	18.201	18.177	18.215	VV	67027	1384532	15.70%	0.380%
396	18.220	18.215	18.224	VV	61843	326116	3.70%	0.090%
397	18.230	18.224	18.238	VV	64878	545055	6.18%	0.150%
398	18.244	18.238	18.250	VV	67480	442255	5.01%	0.121%
399	18.293	18.250	18.327	VV	106696	3645318	41.33%	1.000%
400	18.345	18.327	18.372	VV	68688	1759455	19.95%	0.483%
401	18.378	18.372	18.397	VV	68039	971884	11.02%	0.267%
402	18.415	18.397	18.423	VV	78234	1108651	12.57%	0.304%
403	18.451	18.423	18.475	VV	130822	3157505	35.80%	0.867%
404	18.480	18.475	18.522	VV	92323	2184762	24.77%	0.600%

405	18.539	18.522	18.570	VV	74947	2007680	22.77%	0.551%
406	18.596	18.570	18.619	VV	108310	2489783	28.23%	0.683%
407	18.624	18.619	18.627	VV	81797	413830	4.69%	0.114%
408	18.651	18.627	18.667	VV	101862	2176595	24.68%	0.597%
409	18.692	18.667	18.760	VV	199169	6594268	74.77%	1.810%
410	18.775	18.760	18.798	VV	88578	1854116	21.02%	0.509%
411	18.823	18.798	18.840	VV	158503	3038983	34.46%	0.834%
412	18.856	18.840	18.915	VV	121621	4032093	45.72%	1.107%
413	18.953	18.915	18.994	VV	197681	5321295	60.34%	1.460%
414	18.996	18.994	19.004	VV	83282	518367	5.88%	0.142%
415	19.035	19.004	19.047	VV	88433	2122310	24.07%	0.582%
416	19.052	19.047	19.057	VV	86634	498343	5.65%	0.137%
417	19.084	19.057	19.105	VV	112248	2726013	30.91%	0.748%
418	19.127	19.105	19.160	VV	105913	2942204	33.36%	0.807%
419	19.174	19.160	19.180	VV	80398	906294	10.28%	0.249%
420	19.185	19.180	19.190	VV	79897	456018	5.17%	0.125%
421	19.196	19.190	19.198	VV	79010	371071	4.21%	0.102%
422	19.203	19.198	19.222	VV	81614	1097060	12.44%	0.301%
423	19.251	19.222	19.278	VV	124583	3341662	37.89%	0.917%
424	19.297	19.278	19.337	VV	114007	3334616	37.81%	0.915%
425	19.352	19.337	19.365	VV	88779	1447249	16.41%	0.397%
426	19.385	19.365	19.391	VV	98861	1389979	15.76%	0.381%
427	19.394	19.391	19.401	VV	95631	577368	6.55%	0.158%
428	19.430	19.401	19.447	VV	95805	2482707	28.15%	0.681%
429	19.491	19.447	19.509	VV	122084	3852447	43.68%	1.057%
430	19.528	19.509	19.559	VV	124438	3202449	36.31%	0.879%
431	19.580	19.559	19.607	VV	106252	2787668	31.61%	0.765%
432	19.644	19.607	19.695	VV	117884	5261214	59.66%	1.444%
433	19.714	19.695	19.722	VV	94289	1486388	16.85%	0.408%
434	19.739	19.722	19.759	VV	98023	2086685	23.66%	0.573%
435	19.765	19.759	19.772	VV	97531	764857	8.67%	0.210%
436	19.783	19.772	19.789	VV	99795	964410	10.94%	0.265%
437	19.795	19.789	19.805	VV	99883	895989	10.16%	0.246%
438	19.816	19.805	19.836	VV	100235	1768503	20.05%	0.485%
439	19.839	19.836	19.849	VV	95445	714823	8.11%	0.196%
440	19.854	19.849	19.857	VV	92125	434175	4.92%	0.119%
441	19.867	19.857	19.884	VV	96435	1490555	16.90%	0.409%
442	19.896	19.884	19.902	VV	98150	1039985	11.79%	0.285%
443	19.919	19.902	19.943	VV	116111	2697457	30.59%	0.740%
444	19.963	19.943	19.995	VV	116197	3360284	38.10%	0.922%
445	20.001	19.995	20.004	VV	101675	505279	5.73%	0.139%
446	20.057	20.004	20.089	VV	127970	5493561	62.29%	1.508%
447	20.121	20.089	20.157	VV	158529	5305737	60.16%	1.456%
448	20.192	20.157	20.222	VV	167540	5358241	60.76%	1.471%
449	20.239	20.222	20.262	VV	122875	2772034	31.43%	0.761%
450	20.296	20.262	20.342	VV	152283	6183467	70.12%	1.697%
451	20.357	20.342	20.385	VV	126532	3040353	34.47%	0.834%
452	20.407	20.385	20.429	VV	119683	3012955	34.16%	0.827%
453	20.504	20.429	20.537	VV	185029	8819014	100.00%	2.420%
454	20.577	20.537	20.630	VV	154325	7551251	85.62%	2.072%
455	20.645	20.630	20.652	VV	136563	1722807	19.54%	0.473%
456	20.668	20.652	20.690	VV	145372	3044540	34.52%	0.836%

457	20.699	20.690	20.722	VV	126952	2293349	26.00%	0.629%
458	20.750	20.722	20.800	VV	135520	5796056	65.72%	1.591%
459	20.831	20.800	20.874	VV	130307	5320940	60.33%	1.460%
460	20.894	20.874	20.914	VV	118029	2763458	31.34%	0.758%
461	20.929	20.914	20.974	VV	112839	3744628	42.46%	1.028%
462	20.986	20.974	20.992	VV	104837	1121850	12.72%	0.308%
463	21.001	20.992	21.016	VV	101351	1426074	16.17%	0.391%
464	21.041	21.016	21.065	VV	119798	3197691	36.26%	0.878%
465	21.071	21.065	21.084	VV	101973	1061350	12.03%	0.291%
466	21.088	21.084	21.100	VV	99387	958993	10.87%	0.263%
467	21.109	21.100	21.141	VV	100699	2288353	25.95%	0.628%
468	21.173	21.141	21.202	VV	98816	3466876	39.31%	0.951%
469	21.217	21.202	21.234	VV	93723	1722655	19.53%	0.473%
470	21.238	21.234	21.255	VV	85544	1028828	11.67%	0.282%
471	21.261	21.255	21.264	VV	83712	427945	4.85%	0.117%
472	21.278	21.264	21.294	VV	88526	1453389	16.48%	0.399%
473	21.299	21.294	21.324	VV	84932	1459634	16.55%	0.401%
474	21.328	21.324	21.346	VV	83880	1035204	11.74%	0.284%
475	21.352	21.346	21.364	VV	76949	794021	9.00%	0.218%
476	21.366	21.364	21.372	VV	77089	383505	4.35%	0.105%
477	21.381	21.372	21.395	VV	74866	986015	11.18%	0.271%
478	21.403	21.395	21.412	VV	75757	716101	8.12%	0.197%
479	21.467	21.412	21.499	VV	84933	3732729	42.33%	1.024%
480	21.504	21.499	21.523	VV	63360	863055	9.79%	0.237%
481	21.539	21.523	21.546	VV	61001	785377	8.91%	0.216%
482	21.571	21.546	21.575	VV	64697	1052090	11.93%	0.289%
483	21.581	21.575	21.622	VV	66440	1729637	19.61%	0.475%
484	21.625	21.622	21.634	VV	58211	384282	4.36%	0.105%
485	21.654	21.634	21.667	VV	58603	1087032	12.33%	0.298%
486	21.686	21.667	21.698	VV	59972	1002094	11.36%	0.275%
487	21.701	21.698	21.721	VV	51064	673555	7.64%	0.185%
488	21.735	21.721	21.741	VV	49325	537820	6.10%	0.148%
489	21.759	21.741	21.779	VV	49155	1048741	11.89%	0.288%
490	21.783	21.779	21.791	VV	50309	332769	3.77%	0.091%
491	21.808	21.791	21.836	VV	53884	1274373	14.45%	0.350%
492	21.843	21.836	21.856	VV	41652	456706	5.18%	0.125%
493	21.878	21.856	21.892	VV	41663	841697	9.54%	0.231%
494	21.902	21.892	21.907	VV	46146	390032	4.42%	0.107%
495	21.917	21.907	21.926	VV	47744	517092	5.86%	0.142%
496	21.929	21.926	21.932	VV	49980	190479	2.16%	0.052%
497	21.938	21.932	21.957	VV	50645	661085	7.50%	0.181%
498	21.966	21.957	21.972	VV	48148	407720	4.62%	0.112%
499	21.979	21.972	21.996	VV	51014	676609	7.67%	0.186%
500	22.008	21.996	22.031	VV	48403	891516	10.11%	0.245%
501	22.036	22.031	22.115	VV	41586	1589632	18.03%	0.436%
502	22.123	22.115	22.129	VV	22998	164399	1.86%	0.045%
503	22.134	22.129	22.159	VV	20969	334475	3.79%	0.092%
504	22.162	22.159	22.180	VV	21194	224943	2.55%	0.062%
505	22.186	22.180	22.194	VV	19559	146380	1.66%	0.040%
506	22.201	22.194	22.205	VV	22933	140668	1.60%	0.039%
507	22.212	22.205	22.227	VV	22498	250077	2.84%	0.069%
508	22.250	22.227	22.298	VV	20792	486259	5.51%	0.133%
509	22.324	22.298	22.328	VV	19576	210507	2.39%	0.058%

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510	22.335	22.328	22.351	VV	20510	223918	2.54%	0.061%
511	22.355	22.351	22.370	VV	12937	92602	1.05%	0.025%
512	22.376	22.370	22.386	VV	7437	35567	0.40%	0.010%
513	22.391	22.386	22.394	PV	2133	8830	0.10%	0.002%

Sum of corrected areas: 364372375

FG070925.M Fri Jul 11 04:57:09 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016278.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 16:12
Operator : YP\AJ
Sample : Q2473-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PIT#2

A
B
C
D
E
F
G

Integration File: autoint1.e
Quant Time: Jul 11 04:14:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Quant Title :
QLast Update : Wed Jul 09 12:46:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.205	1387228	13.874 ug/ml
Target Compounds			

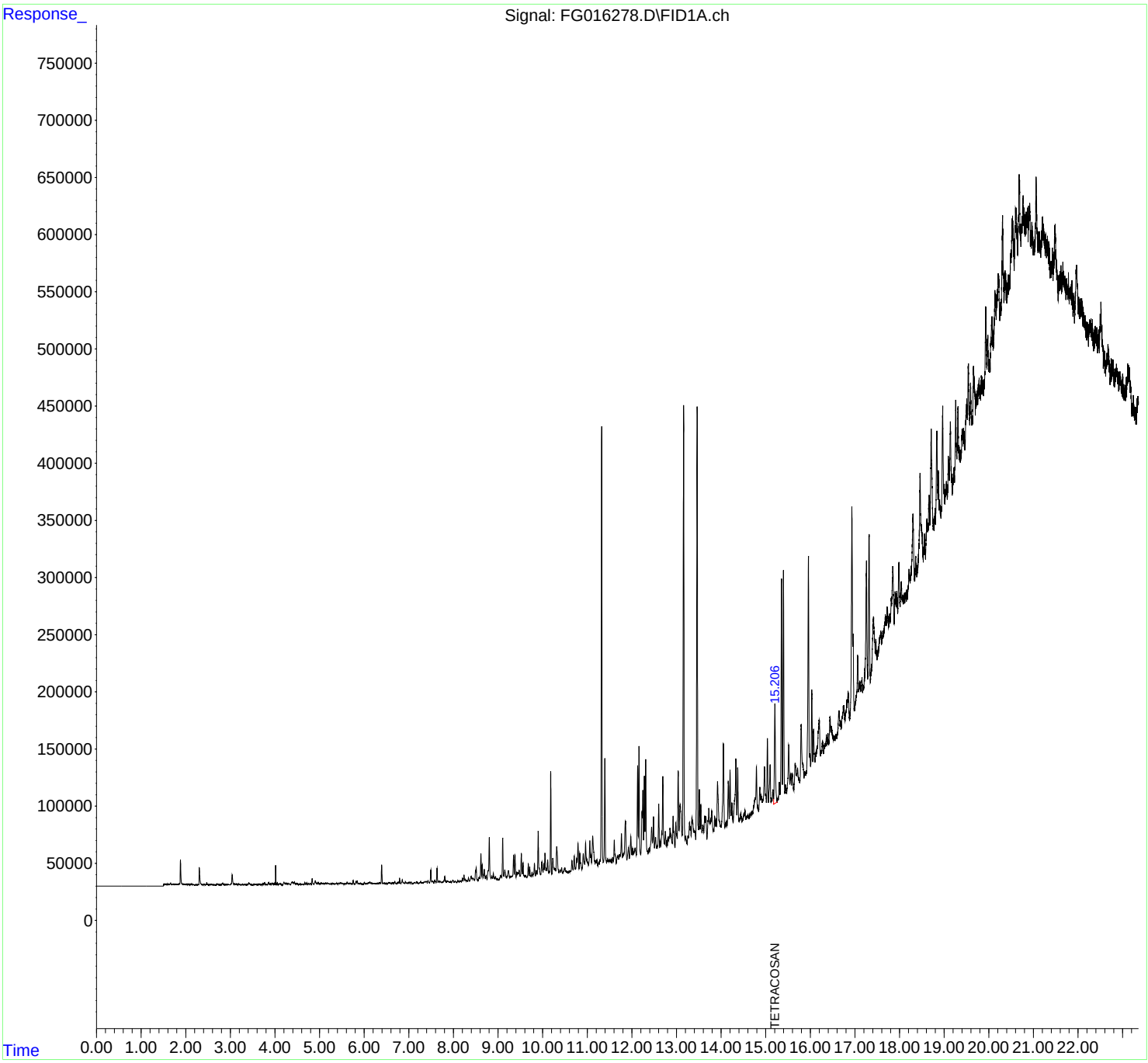
(f)=RT Delta > 1/2 Window (m)=manual int.

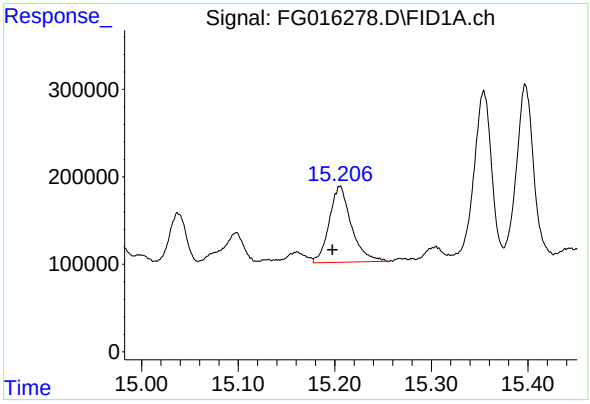
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016278.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 16:12
Operator : YP\AJ
Sample : Q2473-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PIT#2

Integration File: autoint1.e
Quant Time: Jul 11 04:14:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Quant Title :
QLast Update : Wed Jul 09 12:46:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.:	15.205 min
Delta R.T.:	0.008 min
Response:	1387228
Conc:	13.87 ug/ml

Instrument :
FID_G
ClientSampleId :
PIT#2

A B C D E F G

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016278.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 16:12
Sample : Q2473-02
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.040	2.023	2.046	BV	71	221	0.00%	0.000%
2	2.060	2.046	2.091	PV	388	5341	0.05%	0.001%
3	2.124	2.091	2.160	PV	516	11031	0.10%	0.003%
4	2.164	2.160	2.183	VV	196	1174	0.01%	0.000%
5	2.201	2.183	2.213	VV	170	1664	0.02%	0.000%
6	2.223	2.213	2.255	VV	152	2260	0.02%	0.001%
7	2.258	2.255	2.263	VV	76	275	0.00%	0.000%
8	2.286	2.263	2.292	PV	243	2454	0.02%	0.001%
9	2.304	2.292	2.393	VV	15035	180873	1.68%	0.046%
10	2.410	2.393	2.448	VV	990	13973	0.13%	0.004%
11	2.470	2.448	2.524	VV	2067	20473	0.19%	0.005%
12	2.545	2.524	2.561	PV	658	8564	0.08%	0.002%
13	2.577	2.561	2.589	VV	661	7540	0.07%	0.002%
14	2.601	2.589	2.621	VV	445	6845	0.06%	0.002%
15	2.627	2.621	2.649	VV	239	2353	0.02%	0.001%
16	2.653	2.649	2.657	VV	132	373	0.00%	0.000%
17	2.662	2.657	2.677	VV	183	1272	0.01%	0.000%
18	2.707	2.677	2.723	VV	1151	14561	0.14%	0.004%
19	2.733	2.723	2.765	VV	575	8431	0.08%	0.002%
20	2.778	2.765	2.798	VV	404	4943	0.05%	0.001%
21	2.820	2.798	2.863	PV	1492	30066	0.28%	0.008%
22	2.901	2.863	2.928	VV	569	13453	0.12%	0.003%
23	2.948	2.928	2.997	VV	657	15741	0.15%	0.004%
24	3.040	2.997	3.085	VV	9024	138620	1.29%	0.035%
25	3.098	3.085	3.122	VV	1338	17962	0.17%	0.005%
26	3.136	3.122	3.162	VV	1116	17602	0.16%	0.004%
27	3.183	3.162	3.204	VV	857	15066	0.14%	0.004%
28	3.211	3.204	3.241	VV	503	7415	0.07%	0.002%
29	3.257	3.241	3.287	VV	596	9966	0.09%	0.003%
30	3.307	3.287	3.316	VV	331	3924	0.04%	0.001%
31	3.332	3.316	3.356	VV	307	4779	0.04%	0.001%
32	3.366	3.356	3.386	VV	971	3283	0.03%	0.001%
33	3.412	3.386	3.493	VV	1825	42635	0.40%	0.011%
34	3.496	3.493	3.508	VV	168	1213	0.01%	0.000%
35	3.527	3.508	3.543	VV	476	6748	0.06%	0.002%
36	3.555	3.543	3.572	VV	562	6494	0.06%	0.002%

37	3.582	3.572	3.606	VV	514	6445	0.06%	0.002%
38	3.631	3.606	3.645	VV	632	9377	0.09%	0.002%
39	3.652	3.645	3.686	VV	561	7399	0.07%	0.002%
40	3.697	3.686	3.701	VV	260	1802	0.02%	0.000%
41	3.728	3.701	3.743	VV	1080	16598	0.15%	0.004%
42	3.769	3.743	3.790	VV	1980	29341	0.27%	0.007%
43	3.804	3.790	3.833	VV	575	11343	0.11%	0.003%
44	3.858	3.833	3.887	VV	1926	35040	0.33%	0.009%
45	3.899	3.887	3.915	VV	827	10982	0.10%	0.003%
46	3.943	3.915	3.983	VV	1472	35141	0.33%	0.009%
47	4.001	3.983	4.013	VV	1471	19047	0.18%	0.005%
48	4.015	4.013	4.034	VV	14239	25568	0.24%	0.006%
49	4.053	4.034	4.086	VV	1474	27317	0.25%	0.007%
50	4.108	4.086	4.163	VV	1259	32196	0.30%	0.008%
51	4.201	4.163	4.226	PV	2533	44512	0.41%	0.011%
52	4.251	4.226	4.268	VV	1398	27994	0.26%	0.007%
53	4.273	4.268	4.291	VV	963	12012	0.11%	0.003%
54	4.294	4.291	4.302	VV	803	5288	0.05%	0.001%
55	4.317	4.302	4.351	VV	1236	19830	0.18%	0.005%
56	4.375	4.351	4.381	VV	2328	25619	0.24%	0.006%
57	4.390	4.381	4.404	VV	2371	28537	0.26%	0.007%
58	4.415	4.404	4.426	VV	1913	22311	0.21%	0.006%
59	4.435	4.426	4.478	VV	2201	39182	0.36%	0.010%
60	4.487	4.478	4.491	VV	842	6316	0.06%	0.002%
61	4.497	4.491	4.524	VV	876	11370	0.11%	0.003%
62	4.567	4.524	4.588	VV	832	16595	0.15%	0.004%
63	4.611	4.588	4.623	VV	684	10538	0.10%	0.003%
64	4.629	4.623	4.647	VV	663	7058	0.07%	0.002%
65	4.671	4.647	4.693	VV	1930	27054	0.25%	0.007%
66	4.710	4.693	4.729	VV	1127	14709	0.14%	0.004%
67	4.746	4.729	4.767	VV	925	13657	0.13%	0.003%
68	4.788	4.767	4.812	VV	1274	20349	0.19%	0.005%
69	4.834	4.812	4.873	VV	5408	69133	0.64%	0.017%
70	4.903	4.873	4.941	VV	3538	66197	0.61%	0.017%
71	4.958	4.941	4.973	VV	1949	24024	0.22%	0.006%
72	4.985	4.973	5.005	VV	1434	18396	0.17%	0.005%
73	5.036	5.005	5.057	VV	1618	32171	0.30%	0.008%
74	5.084	5.057	5.105	VV	1025	25039	0.23%	0.006%
75	5.136	5.105	5.157	VV	1215	28353	0.26%	0.007%
76	5.176	5.157	5.182	VV	1259	13580	0.13%	0.003%
77	5.189	5.182	5.213	VV	1405	17777	0.16%	0.004%
78	5.221	5.213	5.236	VV	532	6218	0.06%	0.002%
79	5.255	5.236	5.269	VV	615	9538	0.09%	0.002%
80	5.290	5.269	5.315	VV	975	19329	0.18%	0.005%
81	5.327	5.315	5.343	VV	714	9403	0.09%	0.002%
82	5.352	5.343	5.364	VV	675	7337	0.07%	0.002%
83	5.383	5.364	5.410	VV	1162	20114	0.19%	0.005%
84	5.431	5.410	5.449	VV	1196	18709	0.17%	0.005%
85	5.465	5.449	5.478	VV	1623	19779	0.18%	0.005%
86	5.494	5.478	5.509	VV	1320	19977	0.19%	0.005%
87	5.519	5.509	5.541	VV	1016	12533	0.12%	0.003%
88	5.562	5.541	5.578	VV	727	10323	0.10%	0.003%
89	5.618	5.578	5.645	VV	2223	36943	0.34%	0.009%

90	5.665	5.645	5.679	VV	768	12769	0.12%	0.003%
91	5.692	5.679	5.710	VV	1190	14269	0.13%	0.004%
92	5.721	5.710	5.731	VV	424	4203	0.04%	0.001%
93	5.752	5.731	5.789	VV	3609	44148	0.41%	0.011%
94	5.816	5.789	5.828	VV	2766	31405	0.29%	0.008%
95	5.844	5.828	5.868	VV	3111	40870	0.38%	0.010%
96	5.870	5.868	5.898	VV	669	9949	0.09%	0.003%
97	5.912	5.898	5.972	VV	1205	18273	0.17%	0.005%
98	6.006	5.972	6.033	VV	1722	22581	0.21%	0.006%
99	6.044	6.033	6.049	VV	473	3770	0.03%	0.001%
100	6.058	6.049	6.070	VV	618	6411	0.06%	0.002%
101	6.089	6.070	6.100	VV	1223	15206	0.14%	0.004%
102	6.111	6.100	6.120	VV	1722	16881	0.16%	0.004%
103	6.131	6.120	6.153	VV	1981	26741	0.25%	0.007%
104	6.169	6.153	6.198	VV	1072	19872	0.18%	0.005%
105	6.210	6.198	6.220	VV	741	8260	0.08%	0.002%
106	6.229	6.220	6.246	VV	765	9593	0.09%	0.002%
107	6.251	6.246	6.268	VV	629	6929	0.06%	0.002%
108	6.297	6.268	6.313	VV	808	14867	0.14%	0.004%
109	6.353	6.313	6.371	VV	1280	27334	0.25%	0.007%
110	6.392	6.371	6.420	VV	16741	170449	1.58%	0.043%
111	6.444	6.420	6.477	VV	998	22359	0.21%	0.006%
112	6.496	6.477	6.518	VV	919	11673	0.11%	0.003%
113	6.542	6.518	6.551	PV	909	12864	0.12%	0.003%
114	6.562	6.551	6.571	VV	1080	11243	0.10%	0.003%
115	6.578	6.571	6.607	VV	1026	14786	0.14%	0.004%
116	6.624	6.607	6.636	VV	996	9897	0.09%	0.002%
117	6.647	6.636	6.662	VV	793	10002	0.09%	0.003%
118	6.687	6.662	6.719	VV	2270	34295	0.32%	0.009%
119	6.741	6.719	6.752	VV	722	10365	0.10%	0.003%
120	6.770	6.752	6.787	VV	1638	22628	0.21%	0.006%
121	6.794	6.787	6.821	VV	3280	27245	0.25%	0.007%
122	6.853	6.821	6.879	VV	3710	53127	0.49%	0.013%
123	6.888	6.879	6.905	VV	851	8935	0.08%	0.002%
124	6.925	6.905	6.953	VV	2006	26562	0.25%	0.007%
125	6.968	6.953	6.992	VV	709	11454	0.11%	0.003%
126	7.007	6.992	7.028	VV	1682	18753	0.17%	0.005%
127	7.048	7.028	7.073	VV	1388	19944	0.18%	0.005%
128	7.082	7.073	7.096	VV	308	2066	0.02%	0.001%
129	7.139	7.096	7.157	VV	1167	17938	0.17%	0.005%
130	7.181	7.157	7.215	PV	1270	22648	0.21%	0.006%
131	7.223	7.215	7.235	VV	312	2932	0.03%	0.001%
132	7.264	7.235	7.282	VV	1909	23435	0.22%	0.006%
133	7.304	7.282	7.319	VV	567	7917	0.07%	0.002%
134	7.339	7.319	7.350	VV	1310	14508	0.13%	0.004%
135	7.367	7.350	7.377	VV	1506	20001	0.19%	0.005%
136	7.392	7.377	7.411	VV	1734	25759	0.24%	0.007%
137	7.430	7.411	7.462	VV	2432	35158	0.33%	0.009%
138	7.493	7.462	7.512	VV	11600	130358	1.21%	0.033%
139	7.519	7.512	7.560	VV	1843	32867	0.30%	0.008%
140	7.579	7.560	7.613	VV	2583	41711	0.39%	0.011%
141	7.633	7.613	7.658	VV	13022	130508	1.21%	0.033%

142	7.673	7.658	7.693	VV	1701	23332	0.22%	0.006%
143	7.704	7.693	7.722	VV	1245	14470	0.13%	0.004%
144	7.727	7.722	7.737	VV	449	3673	0.03%	0.001%
145	7.805	7.737	7.837	VV	5756	96851	0.90%	0.024%
146	7.868	7.837	7.872	VV	1039	15252	0.14%	0.004%
147	7.880	7.872	7.890	VV	1109	10432	0.10%	0.003%
148	7.895	7.890	7.916	VV	898	8084	0.07%	0.002%
149	7.935	7.916	7.957	VV	778	11822	0.11%	0.003%
150	7.985	7.957	8.020	VV	2186	39957	0.37%	0.010%
151	8.040	8.020	8.068	VV	1110	17081	0.16%	0.004%
152	8.102	8.068	8.119	PV	1397	20927	0.19%	0.005%
153	8.148	8.119	8.167	VV	1059	18353	0.17%	0.005%
154	8.180	8.167	8.186	VV	723	6697	0.06%	0.002%
155	8.203	8.186	8.217	VV	3279	36120	0.34%	0.009%
156	8.238	8.217	8.257	VV	6230	78179	0.73%	0.020%
157	8.267	8.257	8.282	VV	1749	21770	0.20%	0.005%
158	8.294	8.282	8.310	VV	1279	17197	0.16%	0.004%
159	8.339	8.310	8.359	VV	3513	43869	0.41%	0.011%
160	8.398	8.359	8.416	VV	4792	83779	0.78%	0.021%
161	8.429	8.416	8.435	VV	2766	28799	0.27%	0.007%
162	8.441	8.435	8.458	VV	2666	30627	0.28%	0.008%
163	8.468	8.458	8.477	VV	1307	13946	0.13%	0.004%
164	8.497	8.477	8.501	VV	9493	82505	0.77%	0.021%
165	8.511	8.501	8.551	VV	12091	139605	1.29%	0.035%
166	8.576	8.551	8.592	VV	3081	49596	0.46%	0.013%
167	8.617	8.592	8.633	VV	23880	272004	2.52%	0.069%
168	8.646	8.633	8.663	VV	14180	153335	1.42%	0.039%
169	8.692	8.663	8.717	VV	9858	167925	1.56%	0.042%
170	8.731	8.717	8.754	VV	4163	60440	0.56%	0.015%
171	8.782	8.754	8.787	VV	8961	115568	1.07%	0.029%
172	8.805	8.787	8.840	VV	37920	465216	4.32%	0.117%
173	8.860	8.840	8.877	VV	3939	57378	0.53%	0.014%
174	8.896	8.877	8.913	VV	6062	74102	0.69%	0.019%
175	8.919	8.913	8.930	VV	1842	16553	0.15%	0.004%
176	8.945	8.930	8.962	VV	3231	38219	0.35%	0.010%
177	8.973	8.962	9.007	VV	979	16968	0.16%	0.004%
178	9.059	9.007	9.082	PV	4025	79955	0.74%	0.020%
179	9.106	9.082	9.127	VV	36514	396389	3.68%	0.100%
180	9.152	9.127	9.187	VV	8191	159707	1.48%	0.040%
181	9.234	9.187	9.259	VV	7566	173727	1.61%	0.044%
182	9.270	9.259	9.281	VV	1943	21484	0.20%	0.005%
183	9.298	9.281	9.312	VV	2519	36663	0.34%	0.009%
184	9.350	9.312	9.367	VV	20447	266564	2.47%	0.067%
185	9.382	9.367	9.404	VV	20522	217070	2.01%	0.055%
186	9.421	9.404	9.435	VV	5392	66570	0.62%	0.017%
187	9.443	9.435	9.447	VV	4094	28551	0.26%	0.007%
188	9.474	9.447	9.491	VV	7011	117674	1.09%	0.030%
189	9.497	9.491	9.502	VV	1866	11219	0.10%	0.003%
190	9.523	9.502	9.544	VV	21316	255720	2.37%	0.065%
191	9.562	9.544	9.600	VV	13126	171168	1.59%	0.043%
192	9.619	9.600	9.645	VV	1540	26462	0.25%	0.007%
193	9.679	9.645	9.697	PV	11788	134892	1.25%	0.034%
194	9.710	9.697	9.728	VV	9015	88155	0.82%	0.022%

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195	9.734	9.728	9.746	VV	1052	8433	0.08%	0.002%
196	9.762	9.746	9.782	VV	4004	44273	0.41%	0.011%
197	9.817	9.782	9.839	VV	11414	154794	1.44%	0.039%
198	9.858	9.839	9.875	VV	5395	68846	0.64%	0.017%
199	9.900	9.875	9.918	VV	39662	443153	4.11%	0.112%
200	9.925	9.918	9.958	VV	7113	88798	0.82%	0.022%
201	9.981	9.958	10.009	VV	12495	201695	1.87%	0.051%
202	10.023	10.009	10.035	VV	10248	112238	1.04%	0.028%
203	10.052	10.035	10.072	VV	19674	263188	2.44%	0.066%
204	10.083	10.072	10.097	VV	6210	77608	0.72%	0.020%
205	10.113	10.097	10.135	VV	13769	178043	1.65%	0.045%
206	10.145	10.135	10.157	VV	3198	36277	0.34%	0.009%
207	10.181	10.157	10.204	VV	90301	924781	8.58%	0.234%
208	10.228	10.204	10.266	VV	14507	261371	2.42%	0.066%
209	10.278	10.266	10.294	VV	5156	75770	0.70%	0.019%
210	10.315	10.294	10.370	VV	24041	471331	4.37%	0.119%
211	10.390	10.370	10.407	VV	3719	59517	0.55%	0.015%
212	10.425	10.407	10.451	VV	5440	69575	0.65%	0.018%
213	10.470	10.451	10.476	VV	2229	21043	0.20%	0.005%
214	10.493	10.476	10.522	VV	4925	91712	0.85%	0.023%
215	10.531	10.522	10.544	VV	1803	20115	0.19%	0.005%
216	10.548	10.544	10.571	VV	1375	15581	0.14%	0.004%
217	10.594	10.571	10.608	PV	1970	24305	0.23%	0.006%
218	10.620	10.608	10.634	VV	1457	17392	0.16%	0.004%
219	10.657	10.634	10.683	VV	10223	148356	1.38%	0.037%
220	10.707	10.683	10.736	VV	14021	215696	2.00%	0.054%
221	10.763	10.736	10.774	VV	11589	160944	1.49%	0.041%
222	10.792	10.774	10.816	VV	24404	336135	3.12%	0.085%
223	10.833	10.816	10.875	VV	15480	246101	2.28%	0.062%
224	10.910	10.875	10.942	VV	14511	276706	2.57%	0.070%
225	10.962	10.942	10.981	VV	23607	321005	2.98%	0.081%
226	10.987	10.981	11.002	VV	9120	97716	0.91%	0.025%
227	11.011	11.002	11.027	VV	6318	78393	0.73%	0.020%
228	11.058	11.027	11.073	VV	24634	358825	3.33%	0.091%
229	11.083	11.073	11.097	VV	11790	129403	1.20%	0.033%
230	11.122	11.097	11.176	VV	28007	676238	6.27%	0.171%
231	11.189	11.176	11.202	VV	5374	78838	0.73%	0.020%
232	11.216	11.202	11.235	VV	6904	90539	0.84%	0.023%
233	11.258	11.235	11.272	VV	3661	61283	0.57%	0.015%
234	11.285	11.272	11.294	VV	6199	65372	0.61%	0.017%
235	11.323	11.294	11.359	VV	383959	4138068	38.38%	1.045%
236	11.394	11.359	11.434	VV	93885	1134487	10.52%	0.286%
237	11.455	11.434	11.482	VV	5447	114702	1.06%	0.029%
238	11.499	11.482	11.507	VV	4160	58884	0.55%	0.015%
239	11.514	11.507	11.525	VV	3948	38770	0.36%	0.010%
240	11.533	11.525	11.549	VV	4003	46899	0.44%	0.012%
241	11.569	11.549	11.587	VV	5736	92408	0.86%	0.023%
242	11.605	11.587	11.650	VV	21090	322921	3.00%	0.082%
243	11.681	11.650	11.698	PV	6433	120244	1.12%	0.030%
244	11.717	11.698	11.733	VV	7189	118888	1.10%	0.030%
245	11.767	11.733	11.787	VV	25020	381027	3.53%	0.096%
246	11.815	11.787	11.820	VV	6423	110125	1.02%	0.028%

247	11.857	11.820	11.889	VV	35272	697627	6.47%	0.176%
248	11.924	11.889	11.944	VV	11021	185977	1.73%	0.047%
249	11.976	11.944	12.002	VV	20295	326371	3.03%	0.082%
250	12.016	12.002	12.039	VV	9654	147286	1.37%	0.037%
251	12.059	12.039	12.069	VV	7730	113679	1.05%	0.029%
252	12.079	12.069	12.102	VV	8395	118062	1.10%	0.030%
253	12.130	12.102	12.144	VV	80780	937036	8.69%	0.237%
254	12.160	12.144	12.196	VV	97230	1091886	10.13%	0.276%
255	12.227	12.196	12.234	VV	39639	436718	4.05%	0.110%
256	12.247	12.234	12.263	VV	57947	688288	6.38%	0.174%
257	12.280	12.263	12.294	VV	70145	797475	7.40%	0.201%
258	12.311	12.294	12.366	VV	84453	1069967	9.92%	0.270%
259	12.384	12.366	12.397	VV	5740	75223	0.70%	0.019%
260	12.443	12.397	12.463	VV	23645	481434	4.47%	0.122%
261	12.486	12.463	12.507	VV	32298	450298	4.18%	0.114%
262	12.531	12.507	12.558	VV	13521	259472	2.41%	0.066%
263	12.602	12.558	12.623	VV	42243	584470	5.42%	0.148%
264	12.636	12.623	12.650	VV	9485	115737	1.07%	0.029%
265	12.669	12.650	12.676	VV	16862	187046	1.73%	0.047%
266	12.694	12.676	12.730	VV	65336	891196	8.27%	0.225%
267	12.752	12.730	12.769	VV	16312	245118	2.27%	0.062%
268	12.785	12.769	12.797	VV	8238	97557	0.90%	0.025%
269	12.815	12.797	12.824	VV	11220	134918	1.25%	0.034%
270	12.856	12.824	12.872	VV	18117	359477	3.33%	0.091%
271	12.880	12.872	12.902	VV	12220	160155	1.49%	0.040%
272	12.924	12.902	12.965	VV	28193	482743	4.48%	0.122%
273	12.986	12.965	13.000	PV	21845	253844	2.35%	0.064%
274	13.006	13.000	13.016	VV	11879	94329	0.87%	0.024%
275	13.039	13.016	13.058	VV	65969	903533	8.38%	0.228%
276	13.086	13.058	13.129	VV	36605	1036821	9.62%	0.262%
277	13.160	13.129	13.192	VV	384080	4610073	42.76%	1.164%
278	13.204	13.192	13.237	VV	7730	120259	1.12%	0.030%
279	13.257	13.237	13.272	VV	7462	107515	1.00%	0.027%
280	13.291	13.272	13.306	VV	18953	278566	2.58%	0.070%
281	13.315	13.306	13.328	VV	15245	158048	1.47%	0.040%
282	13.347	13.328	13.360	VV	22488	325780	3.02%	0.082%
283	13.364	13.360	13.386	VV	18926	216361	2.01%	0.055%
284	13.390	13.386	13.398	VV	10459	74076	0.69%	0.019%
285	13.402	13.398	13.430	VV	10280	148583	1.38%	0.038%
286	13.463	13.430	13.497	VV	379900	4595541	42.63%	1.160%
287	13.513	13.497	13.530	VV	45301	523606	4.86%	0.132%
288	13.545	13.530	13.574	VV	31386	464570	4.31%	0.117%
289	13.591	13.574	13.612	VV	13194	233857	2.17%	0.059%
290	13.630	13.612	13.642	VV	21117	272032	2.52%	0.069%
291	13.659	13.642	13.682	VV	20105	309372	2.87%	0.078%
292	13.724	13.682	13.747	PV	26152	549059	5.09%	0.139%
293	13.789	13.747	13.826	VV	22564	662551	6.15%	0.167%
294	13.833	13.826	13.839	VV	4737	36469	0.34%	0.009%
295	13.856	13.839	13.868	VV	16622	191664	1.78%	0.048%
296	13.885	13.868	13.898	VV	13861	188269	1.75%	0.048%
297	13.920	13.898	13.956	VV	45859	912774	8.47%	0.230%
298	13.960	13.956	14.000	VV	10981	199404	1.85%	0.050%
299	14.051	14.000	14.082	VV	76847	1342546	12.45%	0.339%

300	14.096	14.082	14.104	VV	5322	62164	0.58%	0.016%
301	14.118	14.104	14.134	VV	7978	105665	0.98%	0.027%
302	14.162	14.134	14.181	VV	41182	607365	5.63%	0.153%
303	14.200	14.181	14.220	VV	50806	646792	6.00%	0.163%
304	14.243	14.220	14.271	VV	21424	387650	3.60%	0.098%
305	14.331	14.271	14.351	VV	57378	1232176	11.43%	0.311%
306	14.372	14.351	14.401	VV	48377	646837	6.00%	0.163%
307	14.440	14.401	14.472	VV	8663	193020	1.79%	0.049%
308	14.479	14.472	14.491	VV	2628	20319	0.19%	0.005%
309	14.512	14.491	14.520	VV	7292	82942	0.77%	0.021%
310	14.534	14.520	14.553	VV	9234	121068	1.12%	0.031%
311	14.564	14.553	14.574	VV	3855	31571	0.29%	0.008%
312	14.601	14.574	14.624	VV	3936	77953	0.72%	0.020%
313	14.641	14.624	14.652	PV	3811	31966	0.30%	0.008%
314	14.669	14.652	14.678	VV	4591	46192	0.43%	0.012%
315	14.691	14.678	14.707	VV	5378	69354	0.64%	0.018%
316	14.791	14.707	14.812	VV	41856	960955	8.91%	0.243%
317	14.821	14.812	14.840	VV	7933	90043	0.84%	0.023%
318	14.868	14.840	14.883	VV	22457	332361	3.08%	0.084%
319	14.894	14.883	14.927	VV	14821	291633	2.71%	0.074%
320	14.972	14.927	14.993	VV	37772	760343	7.05%	0.192%
321	14.997	14.993	15.016	VV	13248	140304	1.30%	0.035%
322	15.038	15.016	15.059	VV	60251	764212	7.09%	0.193%
323	15.098	15.059	15.122	VV	36865	635321	5.89%	0.160%
324	15.131	15.122	15.135	VV	4968	35839	0.33%	0.009%
325	15.161	15.135	15.178	VV	13500	201955	1.87%	0.051%
326	15.206	15.178	15.257	VV	87506	1399722	12.98%	0.353%
327	15.267	15.257	15.284	PV	3419	34994	0.32%	0.009%
328	15.305	15.284	15.321	VV	16157	198797	1.84%	0.050%
329	15.354	15.321	15.375	VV	191466	2424946	22.49%	0.612%
330	15.397	15.375	15.427	VV	198767	2435855	22.59%	0.615%
331	15.444	15.427	15.467	VV	9760	150541	1.40%	0.038%
332	15.515	15.467	15.541	VV	42971	821744	7.62%	0.208%
333	15.560	15.541	15.577	VV	16108	258880	2.40%	0.065%
334	15.591	15.577	15.629	VV	15221	278766	2.59%	0.070%
335	15.663	15.629	15.697	PV	22202	514292	4.77%	0.130%
336	15.715	15.697	15.736	VV	15874	253343	2.35%	0.064%
337	15.742	15.736	15.763	VV	5703	52120	0.48%	0.013%
338	15.796	15.763	15.833	VV	48353	943142	8.75%	0.238%
339	15.838	15.833	15.859	VV	12697	119168	1.11%	0.030%
340	15.871	15.859	15.886	VV	4876	48497	0.45%	0.012%
341	15.889	15.886	15.911	VV	3760	30056	0.28%	0.008%
342	15.957	15.911	15.980	VV	187998	2688116	24.93%	0.679%
343	15.990	15.980	16.005	VV	14986	179205	1.66%	0.045%
344	16.033	16.005	16.054	VV	67172	900331	8.35%	0.227%
345	16.073	16.054	16.105	VV	33050	490234	4.55%	0.124%
346	16.120	16.105	16.128	VV	10223	98035	0.91%	0.025%
347	16.196	16.128	16.229	VV	34906	1111455	10.31%	0.281%
348	16.271	16.229	16.293	VV	12095	249634	2.32%	0.063%
349	16.331	16.293	16.336	VV	8506	138642	1.29%	0.035%
350	16.360	16.336	16.382	VV	14634	252750	2.34%	0.064%
351	16.395	16.382	16.414	VV	14067	166946	1.55%	0.042%

352	16.440	16.414	16.462	VV	25690	466381	4.33%	0.118%
353	16.476	16.462	16.498	VV	16047	269125	2.50%	0.068%
354	16.509	16.498	16.520	VV	7718	72469	0.67%	0.018%
355	16.545	16.520	16.554	VV	4393	74172	0.69%	0.019%
356	16.571	16.554	16.595	VV	5163	74877	0.69%	0.019%
357	16.645	16.595	16.667	PV	22098	488652	4.53%	0.123%
358	16.676	16.667	16.690	VV	11599	100401	0.93%	0.025%
359	16.745	16.690	16.779	VV	20648	644467	5.98%	0.163%
360	16.819	16.779	16.824	VV	20216	365990	3.39%	0.092%
361	16.846	16.824	16.880	VV	26459	544108	5.05%	0.137%
362	16.932	16.880	16.952	PV	183272	2867788	26.60%	0.724%
363	16.958	16.952	16.995	VV	70327	727678	6.75%	0.184%
364	17.062	16.995	17.085	VV	43339	974169	9.04%	0.246%
365	17.108	17.085	17.118	VV	19848	325823	3.02%	0.082%
366	17.123	17.118	17.132	VV	16597	121097	1.12%	0.031%
367	17.158	17.132	17.174	VV	20329	343557	3.19%	0.087%
368	17.187	17.174	17.196	VV	12156	132373	1.23%	0.033%
369	17.258	17.196	17.284	VV	115834	2281020	21.16%	0.576%
370	17.317	17.284	17.347	VV	135255	2109925	19.57%	0.533%
371	17.415	17.347	17.454	VV	57845	2108292	19.56%	0.532%
372	17.470	17.454	17.495	VV	33476	672456	6.24%	0.170%
373	17.578	17.495	17.597	VV	37208	1650726	15.31%	0.417%
374	17.622	17.597	17.627	VV	33091	514399	4.77%	0.130%
375	17.636	17.627	17.641	VV	31560	255452	2.37%	0.065%
376	17.667	17.641	17.674	VV	37624	659401	6.12%	0.167%
377	17.682	17.674	17.703	VV	42417	703981	6.53%	0.178%
378	17.708	17.703	17.714	VV	41696	249268	2.31%	0.063%
379	17.721	17.714	17.751	VV	47025	896972	8.32%	0.226%
380	17.777	17.751	17.795	VV	38944	921105	8.54%	0.233%
381	17.814	17.795	17.821	VV	49474	694795	6.44%	0.175%
382	17.847	17.821	17.877	VV	75816	1858282	17.24%	0.469%
383	17.901	17.877	17.926	VV	51119	1195343	11.09%	0.302%
384	17.937	17.926	17.957	VV	49316	748788	6.95%	0.189%
385	17.986	17.957	18.010	VV	70594	1592197	14.77%	0.402%
386	18.035	18.010	18.059	VV	51565	1254071	11.63%	0.317%
387	18.068	18.059	18.083	VV	38142	497441	4.61%	0.126%
388	18.090	18.083	18.099	VV	36656	316251	2.93%	0.080%
389	18.104	18.099	18.117	VV	36530	374291	3.47%	0.095%
390	18.129	18.117	18.137	VV	36389	401822	3.73%	0.101%
391	18.144	18.137	18.151	VV	35572	279733	2.59%	0.071%
392	18.212	18.151	18.237	VV	52883	2007218	18.62%	0.507%
393	18.243	18.237	18.246	VV	45364	238647	2.21%	0.060%
394	18.301	18.246	18.335	VV	95456	3300465	30.61%	0.833%
395	18.362	18.335	18.385	VV	54797	1333386	12.37%	0.337%
396	18.459	18.385	18.531	VV	121840	5719601	53.05%	1.444%
397	18.556	18.531	18.581	VV	63468	1525842	14.15%	0.385%
398	18.610	18.581	18.615	VV	72865	1228659	11.40%	0.310%
399	18.619	18.615	18.627	VV	67352	454891	4.22%	0.115%
400	18.631	18.627	18.637	VV	67401	390020	3.62%	0.098%
401	18.653	18.637	18.659	VV	82685	940648	8.72%	0.238%
402	18.663	18.659	18.680	VV	90815	997417	9.25%	0.252%
403	18.710	18.680	18.755	VV	146035	4268315	39.59%	1.078%
404	18.761	18.755	18.767	VV	59801	414049	3.84%	0.105%

405	18.799	18.767	18.806	VV	70338	1453369	13.48%	0.367%
406	18.837	18.806	18.859	VV	136302	3130760	29.04%	0.791%
407	18.870	18.859	18.892	VV	97965	1653247	15.33%	0.417%
408	18.899	18.892	18.911	VV	72967	764009	7.09%	0.193%
409	18.915	18.911	18.925	VV	63350	530177	4.92%	0.134%
410	18.934	18.925	18.940	VV	63734	550926	5.11%	0.139%
411	18.967	18.940	18.991	VV	149819	3167935	29.38%	0.800%
412	19.000	18.991	19.017	VV	78082	1111123	10.31%	0.281%
413	19.030	19.017	19.035	VV	72887	770204	7.14%	0.194%
414	19.048	19.035	19.073	VV	80495	1617610	15.00%	0.408%
415	19.096	19.073	19.116	VV	93614	2180574	20.23%	0.551%
416	19.139	19.116	19.179	VV	125710	3466273	32.15%	0.875%
417	19.183	19.179	19.188	VV	68231	363453	3.37%	0.092%
418	19.217	19.188	19.234	VV	79766	1980927	18.37%	0.500%
419	19.258	19.234	19.285	VV	137919	3155403	29.27%	0.797%
420	19.309	19.285	19.332	VV	128972	2947180	27.34%	0.744%
421	19.337	19.332	19.344	VV	90088	603541	5.60%	0.152%
422	19.374	19.344	19.378	VV	88277	1742106	16.16%	0.440%
423	19.400	19.378	19.420	VV	104667	2393170	22.20%	0.604%
424	19.430	19.420	19.457	VV	103681	2101501	19.49%	0.531%
425	19.507	19.457	19.519	VV	124536	3881950	36.01%	0.980%
426	19.539	19.519	19.572	VV	150768	3929593	36.45%	0.992%
427	19.592	19.572	19.624	VV	132447	3503675	32.50%	0.885%
428	19.661	19.624	19.698	VV	143882	5281672	48.99%	1.334%
429	19.731	19.698	19.754	VV	117837	3702765	34.34%	0.935%
430	19.763	19.754	19.767	VV	122050	913930	8.48%	0.231%
431	19.783	19.767	19.805	VV	121320	2640339	24.49%	0.667%
432	19.812	19.805	19.817	VV	118289	824744	7.65%	0.208%
433	19.834	19.817	19.859	VV	124269	2964456	27.50%	0.749%
434	19.864	19.859	19.880	VV	119713	1454186	13.49%	0.367%
435	19.894	19.880	19.899	VV	116907	1276831	11.84%	0.322%
436	19.931	19.899	19.955	VV	176873	4801464	44.54%	1.212%
437	19.977	19.955	19.997	VV	148055	3432290	31.84%	0.867%
438	20.006	19.997	20.011	VV	129846	1046105	9.70%	0.264%
439	20.014	20.011	20.017	VV	127501	514948	4.78%	0.130%
440	20.071	20.017	20.105	VV	162524	7443387	69.04%	1.880%
441	20.138	20.105	20.165	VV	176624	5914873	54.86%	1.494%
442	20.181	20.165	20.186	VV	175841	2046034	18.98%	0.517%
443	20.216	20.186	20.247	VV	191952	6427588	59.62%	1.623%
444	20.267	20.247	20.275	VV	163697	2737903	25.40%	0.691%
445	20.309	20.275	20.345	VV	236841	8048013	74.65%	2.032%
446	20.366	20.345	20.371	VV	185306	2736466	25.38%	0.691%
447	20.376	20.371	20.415	VV	179576	4525325	41.97%	1.143%
448	20.421	20.415	20.427	VV	168613	1142875	10.60%	0.289%
449	20.438	20.427	20.445	VV	176763	1874264	17.38%	0.473%
450	20.462	20.445	20.472	VV	173851	2699140	25.04%	0.682%
451	20.489	20.472	20.502	VV	192300	3291870	30.53%	0.831%
452	20.524	20.502	20.528	VV	220644	3237420	30.03%	0.817%
453	20.533	20.528	20.555	VV	225067	3356580	31.13%	0.848%
454	20.559	20.555	20.570	VV	200301	1679228	15.58%	0.424%
455	20.599	20.570	20.607	VV	225404	4574727	42.43%	1.155%
456	20.612	20.607	20.639	VV	222830	3951330	36.65%	0.998%

457	20.679	20.639	20.724	VV	248045	10781219	100.00%	2.722%
458	20.728	20.724	20.742	VV	205390	2237266	20.75%	0.565%
459	20.744	20.742	20.747	VV	204376	562946	5.22%	0.142%
460	20.767	20.747	20.782	VV	224409	4542690	42.14%	1.147%
461	20.789	20.782	20.813	VV	214182	3766880	34.94%	0.951%
462	20.819	20.813	20.830	VV	206232	2001460	18.56%	0.505%
463	20.837	20.830	20.842	VV	205027	1431766	13.28%	0.362%
464	20.854	20.842	20.859	VV	207078	2035720	18.88%	0.514%
465	20.864	20.859	20.882	VV	209719	2715600	25.19%	0.686%
466	20.892	20.882	20.915	VV	209805	3981862	36.93%	1.005%
467	20.919	20.915	20.936	VV	212241	2480950	23.01%	0.626%
468	20.942	20.936	20.958	VV	186859	2379647	22.07%	0.601%
469	20.964	20.958	20.976	VV	188264	1953876	18.12%	0.493%
470	20.980	20.976	20.994	VV	184275	1856284	17.22%	0.469%
471	21.001	20.994	21.023	VV	170243	2932719	27.20%	0.741%
472	21.061	21.023	21.102	VV	226051	8742774	81.09%	2.208%
473	21.114	21.102	21.142	VV	173537	4032849	37.41%	1.018%
474	21.155	21.142	21.164	VV	162129	2053992	19.05%	0.519%
475	21.179	21.164	21.189	VV	171295	2454270	22.76%	0.620%
476	21.202	21.189	21.212	VV	181486	2435951	22.59%	0.615%
477	21.213	21.212	21.262	VV	177752	4915304	45.59%	1.241%
478	21.274	21.262	21.291	VV	162839	2721095	25.24%	0.687%
479	21.298	21.291	21.312	VV	156580	1889447	17.53%	0.477%
480	21.316	21.312	21.364	VV	155380	4515556	41.88%	1.140%
481	21.369	21.364	21.397	VV	130803	2533006	23.49%	0.640%
482	21.403	21.397	21.414	VV	130053	1306285	12.12%	0.330%
483	21.425	21.414	21.440	VV	142302	1976347	18.33%	0.499%
484	21.481	21.440	21.541	VV	156564	7891304	73.19%	1.993%
485	21.545	21.541	21.563	VV	110591	1321203	12.25%	0.334%
486	21.584	21.563	21.590	VV	109888	1648533	15.29%	0.416%
487	21.593	21.590	21.604	VV	112567	882324	8.18%	0.223%
488	21.617	21.604	21.636	VV	116070	1982422	18.39%	0.501%
489	21.640	21.636	21.645	VV	108884	572024	5.31%	0.144%
490	21.661	21.645	21.687	VV	115189	2587756	24.00%	0.653%
491	21.690	21.687	21.726	VV	100567	2191102	20.32%	0.553%
492	21.738	21.726	21.744	VV	96428	1006594	9.34%	0.254%
493	21.749	21.744	21.777	VV	93037	1713899	15.90%	0.433%
494	21.786	21.777	21.809	VV	97530	1609274	14.93%	0.406%
495	21.829	21.809	21.852	VV	83455	2102561	19.50%	0.531%
496	21.857	21.852	21.860	VV	87533	390600	3.62%	0.099%
497	21.864	21.860	21.887	VV	86579	1157854	10.74%	0.292%
498	21.895	21.887	21.925	VV	75603	1455717	13.50%	0.368%
499	21.964	21.925	22.003	VV	95453	3582590	33.23%	0.905%
500	22.009	22.003	22.012	VV	65089	316464	2.94%	0.080%
501	22.015	22.012	22.025	VV	64718	432258	4.01%	0.109%
502	22.035	22.025	22.047	VV	56778	688940	6.39%	0.174%
503	22.056	22.047	22.071	VV	61110	758663	7.04%	0.192%
504	22.079	22.071	22.151	VV	58217	2102303	19.50%	0.531%
505	22.157	22.151	22.176	VV	35533	461481	4.28%	0.117%
506	22.215	22.176	22.232	VV	30642	812967	7.54%	0.205%
507	22.260	22.232	22.309	VV	30278	1042808	9.67%	0.263%
508	22.324	22.309	22.335	VV	26382	256832	2.38%	0.065%
509	22.338	22.335	22.346	VV	12202	54586	0.51%	0.014%

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510	22.375	22.346	22.400	PBA	11829	366097	3.40%	0.092%

Sum of corrected areas: 396020724

FG070925.M Fri Jul 11 05:01:49 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016279.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 16:42
Operator : YP\AJ
Sample : Q2473-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PIT#3

Integration File: autoint1.e
Quant Time: Jul 11 04:15:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Quant Title :
QLast Update : Wed Jul 09 12:46:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.209	1174487	11.746 ug/ml
Target Compounds			

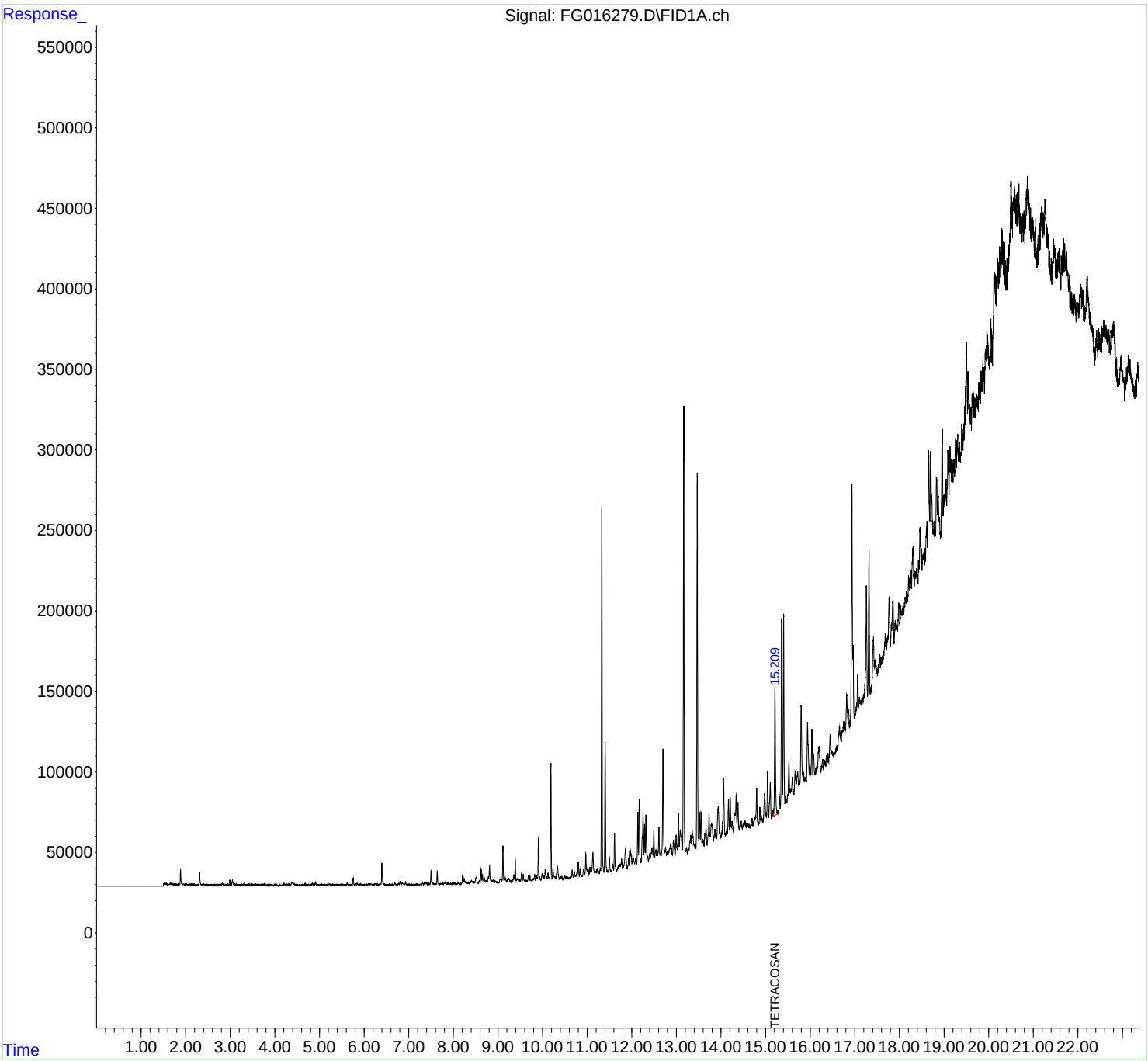
(f)=RT Delta > 1/2 Window (m)=manual int.

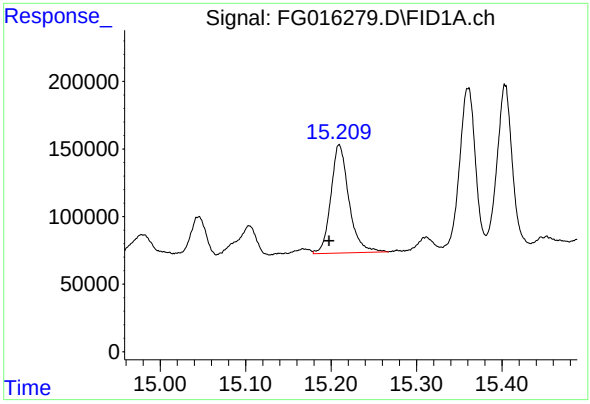
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016279.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 16:42
Operator : YP\AJ
Sample : Q2473-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
FID_G
ClientSampleId :
PIT#3

Integration File: autoint1.e
Quant Time: Jul 11 04:15:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Quant Title :
QLast Update : Wed Jul 09 12:46:24 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.209 min
Delta R.T.: 0.012 min
Response: 1174487
Conc: 11.75 ug/ml

Instrument :
FID_G
ClientSampleId :
PIT#3

A
B
C
D
E
F
G

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG071025\
Data File : FG016279.D
Signal(s) : FID1A.ch
Acq On : 10 Jul 2025 16:42
Sample : Q2473-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\FG070925.M
Title :

Signal : FID1A.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.020	2.000	2.035	BV	77	507	0.01%	0.000%
2	2.044	2.035	2.050	PV	91	437	0.01%	0.000%
3	2.059	2.050	2.064	VV	149	809	0.01%	0.000%
4	2.068	2.064	2.089	VV	162	940	0.01%	0.000%
5	2.092	2.089	2.096	PV	82	174	0.00%	0.000%
6	2.101	2.096	2.107	PV	147	435	0.01%	0.000%
7	2.111	2.107	2.115	VV	148	553	0.01%	0.000%
8	2.117	2.115	2.120	VV	186	378	0.01%	0.000%
9	2.125	2.120	2.151	VV	303	2761	0.04%	0.001%
10	2.156	2.151	2.170	VV	134	1085	0.02%	0.000%
11	2.188	2.170	2.205	VV	129	1551	0.02%	0.001%
12	2.208	2.205	2.214	VV	110	426	0.01%	0.000%
13	2.221	2.214	2.232	VV	101	737	0.01%	0.000%
14	2.237	2.232	2.255	PV	124	781	0.01%	0.000%
15	2.260	2.255	2.269	PV	66	366	0.01%	0.000%
16	2.283	2.269	2.295	VV	153	1716	0.03%	0.001%
17	2.308	2.295	2.386	VV	8229	92730	1.45%	0.032%
18	2.408	2.386	2.447	PV	670	9475	0.15%	0.003%
19	2.460	2.447	2.516	VV	615	10013	0.16%	0.003%
20	2.518	2.516	2.524	VV	92	180	0.00%	0.000%
21	2.545	2.524	2.550	PV	145	992	0.02%	0.000%
22	2.553	2.550	2.558	VV	96	441	0.01%	0.000%
23	2.572	2.558	2.577	VV	139	1183	0.02%	0.000%
24	2.586	2.577	2.596	VV	178	1640	0.03%	0.001%
25	2.600	2.596	2.605	VV	197	829	0.01%	0.000%
26	2.609	2.605	2.644	VV	198	2688	0.04%	0.001%
27	2.651	2.644	2.657	VV	153	722	0.01%	0.000%
28	2.662	2.657	2.680	VV	183	1347	0.02%	0.000%
29	2.709	2.680	2.731	VV	642	8614	0.13%	0.003%
30	2.735	2.731	2.764	VV	253	3523	0.06%	0.001%
31	2.781	2.764	2.797	VV	163	1887	0.03%	0.001%
32	2.822	2.797	2.877	PV	954	17940	0.28%	0.006%
33	2.904	2.877	2.926	VV	296	5640	0.09%	0.002%
34	2.936	2.926	2.972	VV	390	6752	0.11%	0.002%
35	2.979	2.972	2.986	VV	155	1120	0.02%	0.000%
36	2.989	2.986	2.994	VV	2220	2636	0.04%	0.001%

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37	3.047	2.994	3.089	VV	3016	55426	0.87%	0.019%
38	3.100	3.089	3.122	VV	751	9520	0.15%	0.003%
39	3.137	3.122	3.170	VV	543	10084	0.16%	0.003%
40	3.175	3.170	3.190	VV	216	2332	0.04%	0.001%
41	3.193	3.190	3.201	VV	164	1031	0.02%	0.000%
42	3.206	3.201	3.215	VV	227	1187	0.02%	0.000%
43	3.219	3.215	3.230	VV	208	1056	0.02%	0.000%
44	3.253	3.230	3.285	VV	412	8152	0.13%	0.003%
45	3.304	3.285	3.340	VV	935	14119	0.22%	0.005%
46	3.344	3.340	3.357	VV	204	1726	0.03%	0.001%
47	3.359	3.357	3.364	VV	184	557	0.01%	0.000%
48	3.367	3.364	3.372	VV	195	724	0.01%	0.000%
49	3.407	3.372	3.411	VV	442	5839	0.09%	0.002%
50	3.421	3.411	3.452	VV	832	13164	0.21%	0.005%
51	3.458	3.452	3.480	VV	434	5671	0.09%	0.002%
52	3.483	3.480	3.487	VV	370	1561	0.02%	0.001%
53	3.501	3.487	3.522	VV	450	7575	0.12%	0.003%
54	3.539	3.522	3.559	VV	483	9170	0.14%	0.003%
55	3.563	3.559	3.570	VV	437	2487	0.04%	0.001%
56	3.579	3.570	3.589	VV	394	4291	0.07%	0.001%
57	3.632	3.589	3.682	VV	573	20338	0.32%	0.007%
58	3.688	3.682	3.694	VV	127	947	0.01%	0.000%
59	3.698	3.694	3.712	VV	206	1766	0.03%	0.001%
60	3.755	3.712	3.807	VV	522	17489	0.27%	0.006%
61	3.814	3.807	3.827	VV	177	1811	0.03%	0.001%
62	3.858	3.827	3.881	VV	389	7387	0.12%	0.003%
63	3.906	3.881	3.929	VV	267	4885	0.08%	0.002%
64	3.933	3.929	3.942	VV	115	734	0.01%	0.000%
65	3.944	3.942	3.957	VV	178	904	0.01%	0.000%
66	4.002	3.957	4.015	VV	622	8423	0.13%	0.003%
67	4.027	4.015	4.048	VV	317	4468	0.07%	0.002%
68	4.063	4.048	4.083	VV	144	1811	0.03%	0.001%
69	4.102	4.083	4.161	PV	392	7345	0.11%	0.003%
70	4.202	4.161	4.251	PV	1322	23809	0.37%	0.008%
71	4.266	4.251	4.288	VV	750	10720	0.17%	0.004%
72	4.297	4.288	4.317	VV	434	5855	0.09%	0.002%
73	4.321	4.317	4.354	VV	370	4427	0.07%	0.002%
74	4.376	4.354	4.406	VV	2031	40032	0.63%	0.014%
75	4.417	4.406	4.430	VV	1299	15514	0.24%	0.005%
76	4.435	4.430	4.465	VV	937	12084	0.19%	0.004%
77	4.470	4.465	4.482	VV	333	3052	0.05%	0.001%
78	4.486	4.482	4.492	VV	303	1540	0.02%	0.001%
79	4.506	4.492	4.527	VV	388	5351	0.08%	0.002%
80	4.533	4.527	4.548	VV	143	1458	0.02%	0.000%
81	4.552	4.548	4.566	VV	128	1512	0.02%	0.001%
82	4.570	4.566	4.584	VV	181	1704	0.03%	0.001%
83	4.589	4.584	4.593	VV	189	976	0.02%	0.000%
84	4.598	4.593	4.610	VV	221	1831	0.03%	0.001%
85	4.627	4.610	4.654	VV	392	5982	0.09%	0.002%
86	4.675	4.654	4.700	VV	766	11038	0.17%	0.004%
87	4.714	4.700	4.732	VV	497	6220	0.10%	0.002%
88	4.750	4.732	4.773	VV	352	4941	0.08%	0.002%
89	4.799	4.773	4.821	VV	503	8715	0.14%	0.003%

90	4.838	4.821	4.882	VV	1147	18363	0.29%	0.006%
91	4.907	4.882	4.948	VV	2098	32491	0.51%	0.011%
92	4.963	4.948	4.980	VV	377	4957	0.08%	0.002%
93	4.991	4.980	5.007	VV	289	3403	0.05%	0.001%
94	5.040	5.007	5.067	VV	786	15050	0.24%	0.005%
95	5.081	5.067	5.111	VV	371	7903	0.12%	0.003%
96	5.146	5.111	5.159	VV	490	10346	0.16%	0.004%
97	5.175	5.159	5.209	VV	685	16609	0.26%	0.006%
98	5.233	5.209	5.271	VV	662	16976	0.27%	0.006%
99	5.299	5.271	5.319	VV	478	10365	0.16%	0.004%
100	5.330	5.319	5.362	VV	509	7062	0.11%	0.002%
101	5.388	5.362	5.410	VV	403	7646	0.12%	0.003%
102	5.421	5.410	5.427	VV	355	2647	0.04%	0.001%
103	5.436	5.427	5.452	VV	403	4351	0.07%	0.001%
104	5.483	5.452	5.490	VV	638	9853	0.15%	0.003%
105	5.493	5.490	5.515	VV	583	6160	0.10%	0.002%
106	5.525	5.515	5.548	VV	394	4324	0.07%	0.001%
107	5.564	5.548	5.576	VV	436	4987	0.08%	0.002%
108	5.582	5.576	5.602	VV	300	3397	0.05%	0.001%
109	5.621	5.602	5.648	VV	1697	19381	0.30%	0.007%
110	5.664	5.648	5.685	VV	315	4732	0.07%	0.002%
111	5.697	5.685	5.716	VV	299	3403	0.05%	0.001%
112	5.755	5.716	5.799	VV	4549	50849	0.79%	0.017%
113	5.819	5.799	5.833	VV	728	8980	0.14%	0.003%
114	5.848	5.833	5.880	VV	1840	23036	0.36%	0.008%
115	5.892	5.880	5.902	VV	785	4833	0.08%	0.002%
116	5.917	5.902	5.953	VV	941	11860	0.19%	0.004%
117	5.957	5.953	5.971	VV	109	853	0.01%	0.000%
118	6.014	5.971	6.032	PV	467	7668	0.12%	0.003%
119	6.045	6.032	6.056	VV	332	3806	0.06%	0.001%
120	6.060	6.056	6.073	VV	347	3188	0.05%	0.001%
121	6.091	6.073	6.108	VV	694	10591	0.17%	0.004%
122	6.114	6.108	6.122	VV	517	3931	0.06%	0.001%
123	6.135	6.122	6.151	VV	796	10134	0.16%	0.003%
124	6.163	6.151	6.202	VV	595	12167	0.19%	0.004%
125	6.246	6.202	6.270	VV	623	15774	0.25%	0.005%
126	6.286	6.270	6.319	VV	520	11320	0.18%	0.004%
127	6.330	6.319	6.336	VV	384	3439	0.05%	0.001%
128	6.354	6.336	6.373	VV	937	14222	0.22%	0.005%
129	6.397	6.373	6.436	VV	13635	154152	2.41%	0.053%
130	6.448	6.436	6.454	VV	587	5591	0.09%	0.002%
131	6.463	6.454	6.490	VV	668	8210	0.13%	0.003%
132	6.508	6.490	6.523	VV	335	3965	0.06%	0.001%
133	6.546	6.523	6.557	PV	489	5452	0.09%	0.002%
134	6.566	6.557	6.579	VV	492	5152	0.08%	0.002%
135	6.583	6.579	6.606	VV	468	4508	0.07%	0.002%
136	6.626	6.606	6.640	VV	433	5625	0.09%	0.002%
137	6.652	6.640	6.668	VV	474	5776	0.09%	0.002%
138	6.692	6.668	6.727	VV	1085	18011	0.28%	0.006%
139	6.744	6.727	6.757	VV	391	4550	0.07%	0.002%
140	6.774	6.757	6.790	VV	1014	12906	0.20%	0.004%
141	6.805	6.790	6.828	VV	2161	26210	0.41%	0.009%

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142	6.858	6.828	6.879	VV	1829	27697	0.43%	0.009%
143	6.892	6.879	6.911	VV	922	10715	0.17%	0.004%
144	6.928	6.911	6.967	VV	1710	20612	0.32%	0.007%
145	6.982	6.967	6.999	VV	259	4252	0.07%	0.001%
146	7.012	6.999	7.039	VV	449	5532	0.09%	0.002%
147	7.051	7.039	7.077	VV	393	5818	0.09%	0.002%
148	7.095	7.077	7.100	PV	126	1230	0.02%	0.000%
149	7.144	7.100	7.160	VV	387	7122	0.11%	0.002%
150	7.182	7.160	7.239	VV	522	10321	0.16%	0.004%
151	7.270	7.239	7.289	VV	676	8660	0.14%	0.003%
152	7.311	7.289	7.329	VV	1577	17250	0.27%	0.006%
153	7.349	7.329	7.354	VV	899	8265	0.13%	0.003%
154	7.365	7.354	7.385	VV	986	16346	0.26%	0.006%
155	7.388	7.385	7.394	VV	835	4476	0.07%	0.002%
156	7.398	7.394	7.418	VV	877	10374	0.16%	0.004%
157	7.434	7.418	7.468	VV	1322	20886	0.33%	0.007%
158	7.499	7.468	7.518	VV	8493	92377	1.44%	0.032%
159	7.525	7.518	7.566	VV	1279	20030	0.31%	0.007%
160	7.587	7.566	7.614	VV	748	11832	0.18%	0.004%
161	7.639	7.614	7.665	VV	8218	86379	1.35%	0.030%
162	7.677	7.665	7.696	VV	788	9690	0.15%	0.003%
163	7.710	7.696	7.722	VV	490	6615	0.10%	0.002%
164	7.732	7.722	7.749	VV	551	6498	0.10%	0.002%
165	7.763	7.749	7.774	VV	440	5128	0.08%	0.002%
166	7.810	7.774	7.851	VV	1511	32659	0.51%	0.011%
167	7.876	7.851	7.880	VV	558	7854	0.12%	0.003%
168	7.887	7.880	7.923	VV	625	10065	0.16%	0.003%
169	7.939	7.923	7.959	VV	510	7363	0.12%	0.003%
170	7.968	7.959	7.973	VV	343	2260	0.04%	0.001%
171	7.992	7.973	8.017	VV	966	16868	0.26%	0.006%
172	8.021	8.017	8.038	VV	519	5616	0.09%	0.002%
173	8.045	8.038	8.071	VV	493	4373	0.07%	0.001%
174	8.100	8.071	8.125	PV	917	14954	0.23%	0.005%
175	8.146	8.125	8.168	VV	370	6835	0.11%	0.002%
176	8.177	8.168	8.181	VV	279	1930	0.03%	0.001%
177	8.208	8.181	8.225	VV	5722	63876	1.00%	0.022%
178	8.243	8.225	8.260	VV	3421	45195	0.71%	0.015%
179	8.270	8.260	8.287	VV	1394	17425	0.27%	0.006%
180	8.299	8.287	8.328	VV	712	12009	0.19%	0.004%
181	8.341	8.328	8.363	VV	551	7564	0.12%	0.003%
182	8.404	8.363	8.420	VV	2125	34073	0.53%	0.012%
183	8.434	8.420	8.444	VV	1226	15764	0.25%	0.005%
184	8.452	8.444	8.484	VV	1051	19043	0.30%	0.007%
185	8.504	8.484	8.511	VV	3552	36923	0.58%	0.013%
186	8.518	8.511	8.555	VV	3514	38727	0.61%	0.013%
187	8.586	8.555	8.598	VV	1262	21126	0.33%	0.007%
188	8.625	8.598	8.640	VV	8652	101427	1.59%	0.035%
189	8.653	8.640	8.671	VV	5296	62108	0.97%	0.021%
190	8.696	8.671	8.725	VV	2738	61097	0.95%	0.021%
191	8.738	8.725	8.749	VV	1308	16108	0.25%	0.006%
192	8.754	8.749	8.764	VV	1051	8032	0.13%	0.003%
193	8.789	8.764	8.793	VV	3245	42029	0.66%	0.014%
194	8.812	8.793	8.849	VV	10476	146516	2.29%	0.050%

195	8.867	8.849	8.884	VV	1607	23528	0.37%	0.008%
196	8.903	8.884	8.919	VV	2230	27729	0.43%	0.010%
197	8.927	8.919	8.940	VV	861	8913	0.14%	0.003%
198	8.948	8.940	8.968	VV	703	8281	0.13%	0.003%
199	8.977	8.968	9.008	VV	324	3973	0.06%	0.001%
200	9.047	9.008	9.053	PV	2086	20871	0.33%	0.007%
201	9.059	9.053	9.076	VV	2118	22285	0.35%	0.008%
202	9.113	9.076	9.135	VV	22549	247683	3.87%	0.085%
203	9.157	9.135	9.199	VV	3780	73851	1.15%	0.025%
204	9.233	9.199	9.266	VV	2204	53702	0.84%	0.018%
205	9.277	9.266	9.291	VV	715	7850	0.12%	0.003%
206	9.308	9.291	9.319	VV	953	10354	0.16%	0.004%
207	9.357	9.319	9.372	VV	4378	68148	1.07%	0.023%
208	9.388	9.372	9.411	VV	13721	142481	2.23%	0.049%
209	9.429	9.411	9.461	VV	1926	37518	0.59%	0.013%
210	9.480	9.461	9.495	VV	1413	19132	0.30%	0.007%
211	9.529	9.495	9.550	VV	5252	66676	1.04%	0.023%
212	9.568	9.550	9.617	VV	4359	55774	0.87%	0.019%
213	9.632	9.617	9.659	VV	493	5646	0.09%	0.002%
214	9.687	9.659	9.703	PV	3979	45815	0.72%	0.016%
215	9.717	9.703	9.737	VV	3279	32685	0.51%	0.011%
216	9.741	9.737	9.751	VV	319	1797	0.03%	0.001%
217	9.771	9.751	9.787	VV	1436	16018	0.25%	0.005%
218	9.824	9.787	9.846	VV	3762	56437	0.88%	0.019%
219	9.864	9.846	9.883	VV	2319	29508	0.46%	0.010%
220	9.908	9.883	9.961	VV	26105	298357	4.66%	0.102%
221	9.989	9.961	10.018	VV	4209	69806	1.09%	0.024%
222	10.031	10.018	10.041	VV	2567	26054	0.41%	0.009%
223	10.060	10.041	10.079	VV	6642	89225	1.39%	0.031%
224	10.089	10.079	10.103	VV	2294	25179	0.39%	0.009%
225	10.122	10.103	10.142	VV	4378	59533	0.93%	0.020%
226	10.152	10.142	10.161	VV	1319	13783	0.22%	0.005%
227	10.187	10.161	10.212	VV	71987	740656	11.57%	0.254%
228	10.234	10.212	10.281	VV	6653	118898	1.86%	0.041%
229	10.287	10.281	10.301	VV	1658	16767	0.26%	0.006%
230	10.334	10.301	10.378	VV	8164	173614	2.71%	0.059%
231	10.397	10.378	10.415	VV	1925	25511	0.40%	0.009%
232	10.428	10.415	10.455	VV	1483	20617	0.32%	0.007%
233	10.500	10.455	10.525	PV	1481	29572	0.46%	0.010%
234	10.541	10.525	10.561	VV	1300	20820	0.33%	0.007%
235	10.564	10.561	10.582	VV	914	6496	0.10%	0.002%
236	10.601	10.582	10.615	PV	746	8812	0.14%	0.003%
237	10.627	10.615	10.636	VV	551	5876	0.09%	0.002%
238	10.664	10.636	10.693	VV	5127	73289	1.15%	0.025%
239	10.714	10.693	10.733	VV	3974	53180	0.83%	0.018%
240	10.745	10.733	10.750	VV	1074	10056	0.16%	0.003%
241	10.772	10.750	10.783	VV	4060	50842	0.79%	0.017%
242	10.800	10.783	10.823	VV	9249	120052	1.88%	0.041%
243	10.840	10.823	10.891	VV	5236	74243	1.16%	0.025%
244	10.919	10.891	10.950	VV	4806	86652	1.35%	0.030%
245	10.969	10.950	10.988	VV	13914	163059	2.55%	0.056%
246	10.995	10.988	11.008	VV	4569	46629	0.73%	0.016%

247	11.020	11.008	11.040	VV	4030	51849	0.81%	0.018%
248	11.062	11.040	11.077	VV	5294	71234	1.11%	0.024%
249	11.090	11.077	11.103	VV	5191	59397	0.93%	0.020%
250	11.128	11.103	11.164	VV	13829	240202	3.75%	0.082%
251	11.178	11.164	11.189	VV	1848	25733	0.40%	0.009%
252	11.192	11.189	11.203	VV	1805	13989	0.22%	0.005%
253	11.223	11.203	11.240	VV	3606	49501	0.77%	0.017%
254	11.250	11.240	11.273	VV	1412	22687	0.35%	0.008%
255	11.291	11.273	11.302	VV	3339	37190	0.58%	0.013%
256	11.328	11.302	11.370	VV	228411	2500881	39.08%	0.857%
257	11.403	11.370	11.445	VV	82122	995447	15.56%	0.341%
258	11.455	11.445	11.468	VV	1354	13879	0.22%	0.005%
259	11.498	11.468	11.533	VV	8681	125579	1.96%	0.043%
260	11.572	11.533	11.594	VV	5013	79018	1.23%	0.027%
261	11.613	11.594	11.656	VV	24109	280625	4.39%	0.096%
262	11.695	11.656	11.712	PV	2747	55521	0.87%	0.019%
263	11.739	11.712	11.749	VV	3759	64144	1.00%	0.022%
264	11.772	11.749	11.790	VV	7086	111805	1.75%	0.038%
265	11.802	11.790	11.812	VV	2412	27619	0.43%	0.009%
266	11.857	11.812	11.897	VV	12262	285995	4.47%	0.098%
267	11.932	11.897	11.949	PV	6746	94290	1.47%	0.032%
268	11.969	11.949	12.006	VV	10730	227005	3.55%	0.078%
269	12.024	12.006	12.069	VV	6851	154749	2.42%	0.053%
270	12.086	12.069	12.106	VV	5160	73179	1.14%	0.025%
271	12.137	12.106	12.151	VV	33288	376376	5.88%	0.129%
272	12.168	12.151	12.206	VV	40875	497217	7.77%	0.170%
273	12.253	12.206	12.270	VV	31960	559800	8.75%	0.192%
274	12.286	12.270	12.301	VV	24887	285874	4.47%	0.098%
275	12.317	12.301	12.347	VV	30498	410898	6.42%	0.141%
276	12.355	12.347	12.375	VV	3995	50023	0.78%	0.017%
277	12.398	12.375	12.421	VV	5346	103068	1.61%	0.035%
278	12.452	12.421	12.475	VV	8970	207420	3.24%	0.071%
279	12.495	12.475	12.518	VV	19271	246999	3.86%	0.085%
280	12.540	12.518	12.569	VV	7101	145891	2.28%	0.050%
281	12.609	12.569	12.630	VV	20365	311420	4.87%	0.107%
282	12.642	12.630	12.659	VV	4313	57514	0.90%	0.020%
283	12.700	12.659	12.740	VV	68434	970054	15.16%	0.332%
284	12.759	12.740	12.777	VV	6157	107129	1.67%	0.037%
285	12.790	12.777	12.805	VV	3386	48648	0.76%	0.017%
286	12.820	12.805	12.831	VV	4001	54473	0.85%	0.019%
287	12.863	12.831	12.876	VV	6976	144142	2.25%	0.049%
288	12.884	12.876	12.913	VV	5810	79282	1.24%	0.027%
289	12.934	12.913	12.972	VV	10070	178170	2.78%	0.061%
290	12.994	12.972	13.023	VV	12562	192606	3.01%	0.066%
291	13.045	13.023	13.065	VV	25926	348649	5.45%	0.119%
292	13.089	13.065	13.135	VV	14723	393163	6.14%	0.135%
293	13.166	13.135	13.203	VV	277451	3140499	49.08%	1.076%
294	13.225	13.203	13.244	VV	3296	43422	0.68%	0.015%
295	13.262	13.244	13.278	PV	2560	32843	0.51%	0.011%
296	13.321	13.278	13.338	VV	10062	205147	3.21%	0.070%
297	13.353	13.338	13.410	VV	12845	291501	4.56%	0.100%
298	13.414	13.410	13.437	VV	3058	33250	0.52%	0.011%
299	13.468	13.437	13.505	VV	232818	2598832	40.61%	0.890%

300	13.521	13.505	13.536	VV	21953	249186	3.89%	0.085%
301	13.552	13.536	13.578	VV	21310	272559	4.26%	0.093%
302	13.600	13.578	13.620	VV	3787	64872	1.01%	0.022%
303	13.638	13.620	13.647	VV	7587	82253	1.29%	0.028%
304	13.664	13.647	13.684	VV	10326	144379	2.26%	0.049%
305	13.732	13.684	13.753	VV	19312	309174	4.83%	0.106%
306	13.780	13.753	13.792	VV	11364	189282	2.96%	0.065%
307	13.801	13.792	13.830	VV	11509	149392	2.33%	0.051%
308	13.864	13.830	13.881	VV	7931	133545	2.09%	0.046%
309	13.892	13.881	13.905	VV	4617	50507	0.79%	0.017%
310	13.938	13.905	14.006	VV	21187	522869	8.17%	0.179%
311	14.058	14.006	14.099	VV	36715	649520	10.15%	0.223%
312	14.127	14.099	14.142	VV	4995	83268	1.30%	0.029%
313	14.167	14.142	14.188	VV	22769	313891	4.91%	0.108%
314	14.207	14.188	14.230	VV	23637	312049	4.88%	0.107%
315	14.249	14.230	14.274	VV	8594	150777	2.36%	0.052%
316	14.303	14.274	14.315	VV	12971	203018	3.17%	0.070%
317	14.338	14.315	14.359	VV	23650	377796	5.90%	0.129%
318	14.380	14.359	14.415	VV	18881	280718	4.39%	0.096%
319	14.453	14.415	14.475	VV	5876	122319	1.91%	0.042%
320	14.529	14.475	14.538	VV	4786	130756	2.04%	0.045%
321	14.546	14.538	14.572	VV	5046	65071	1.02%	0.022%
322	14.576	14.572	14.583	VV	1823	11484	0.18%	0.004%
323	14.593	14.583	14.599	VV	2679	21397	0.33%	0.007%
324	14.605	14.599	14.631	VV	2545	33643	0.53%	0.012%
325	14.643	14.631	14.660	VV	1654	13779	0.22%	0.005%
326	14.695	14.660	14.716	PV	5431	75880	1.19%	0.026%
327	14.774	14.716	14.781	VV	5485	134227	2.10%	0.046%
328	14.799	14.781	14.828	VV	23090	279119	4.36%	0.096%
329	14.832	14.828	14.850	VV	880	5439	0.08%	0.002%
330	14.871	14.850	14.890	PV	10130	122815	1.92%	0.042%
331	14.902	14.890	14.937	VV	4302	61460	0.96%	0.021%
332	14.979	14.937	15.017	VV	17045	349687	5.46%	0.120%
333	15.045	15.017	15.066	VV	29452	381899	5.97%	0.131%
334	15.104	15.066	15.130	VV	21772	348831	5.45%	0.120%
335	15.167	15.130	15.179	PV	3998	53935	0.84%	0.018%
336	15.209	15.179	15.268	VV	80359	1175097	18.36%	0.403%
337	15.277	15.268	15.283	PV	990	3625	0.06%	0.001%
338	15.311	15.283	15.331	VV	9964	120120	1.88%	0.041%
339	15.360	15.331	15.381	VV	118071	1514311	23.67%	0.519%
340	15.404	15.381	15.434	VV	119339	1471334	22.99%	0.504%
341	15.452	15.434	15.479	VV	6729	106203	1.66%	0.036%
342	15.523	15.479	15.549	VV	25391	459904	7.19%	0.158%
343	15.557	15.549	15.576	VV	7328	103098	1.61%	0.035%
344	15.599	15.576	15.635	VV	13935	275058	4.30%	0.094%
345	15.661	15.635	15.688	VV	16362	311996	4.88%	0.107%
346	15.719	15.688	15.743	VV	13913	336147	5.25%	0.115%
347	15.748	15.743	15.757	VV	6008	48857	0.76%	0.017%
348	15.764	15.757	15.768	VV	5798	37957	0.59%	0.013%
349	15.798	15.768	15.839	VV	53583	967106	15.11%	0.331%
350	15.849	15.839	15.868	VV	9515	136457	2.13%	0.047%
351	15.884	15.868	15.913	VV	5672	127294	1.99%	0.044%

352	15.941	15.913	15.978	VV	38884	747858	11.69%	0.256%
353	15.994	15.978	16.016	VV	11459	182450	2.85%	0.063%
354	16.039	16.016	16.060	VV	32180	434074	6.78%	0.149%
355	16.077	16.060	16.106	VV	15970	235597	3.68%	0.081%
356	16.125	16.106	16.140	VV	5881	82580	1.29%	0.028%
357	16.201	16.140	16.239	VV	16576	502555	7.85%	0.172%
358	16.251	16.239	16.256	VV	3222	21286	0.33%	0.007%
359	16.278	16.256	16.297	VV	6953	97531	1.52%	0.033%
360	16.323	16.297	16.345	PV	4166	71159	1.11%	0.024%
361	16.366	16.345	16.383	VV	5975	70559	1.10%	0.024%
362	16.397	16.383	16.412	VV	6354	61885	0.97%	0.021%
363	16.445	16.412	16.499	VV	16351	338202	5.29%	0.116%
364	16.508	16.499	16.525	VV	2903	21876	0.34%	0.007%
365	16.539	16.525	16.561	PV	1654	16083	0.25%	0.006%
366	16.578	16.561	16.582	PV	2845	19396	0.30%	0.007%
367	16.598	16.582	16.609	VV	3139	34762	0.54%	0.012%
368	16.658	16.609	16.693	VV	12807	337056	5.27%	0.115%
369	16.714	16.693	16.728	VV	8504	123747	1.93%	0.042%
370	16.750	16.728	16.785	VV	12065	281586	4.40%	0.096%
371	16.818	16.785	16.845	VV	25631	536338	8.38%	0.184%
372	16.859	16.845	16.882	VV	15635	234796	3.67%	0.080%
373	16.935	16.882	16.954	VV	151967	2297860	35.91%	0.787%
374	16.961	16.954	16.994	VV	49866	597316	9.33%	0.205%
375	17.014	16.994	17.020	VV	6665	87525	1.37%	0.030%
376	17.040	17.020	17.045	VV	11390	133215	2.08%	0.046%
377	17.065	17.045	17.092	VV	28358	467682	7.31%	0.160%
378	17.104	17.092	17.145	VV	12583	280547	4.38%	0.096%
379	17.162	17.145	17.174	VV	9296	148037	2.31%	0.051%
380	17.180	17.174	17.187	VV	8644	60744	0.95%	0.021%
381	17.200	17.187	17.208	VV	10088	109453	1.71%	0.038%
382	17.260	17.208	17.286	VV	74324	1355532	21.18%	0.464%
383	17.318	17.286	17.347	VV	95012	1322447	20.67%	0.453%
384	17.356	17.347	17.367	VV	7481	73598	1.15%	0.025%
385	17.419	17.367	17.437	VV	36470	866476	13.54%	0.297%
386	17.444	17.437	17.472	VV	21390	395569	6.18%	0.136%
387	17.477	17.472	17.508	VV	16345	281113	4.39%	0.096%
388	17.527	17.508	17.536	VV	14233	206782	3.23%	0.071%
389	17.548	17.536	17.555	VV	16883	166687	2.60%	0.057%
390	17.563	17.555	17.573	VV	18964	180335	2.82%	0.062%
391	17.588	17.573	17.596	VV	16790	204243	3.19%	0.070%
392	17.603	17.596	17.609	VV	14167	101123	1.58%	0.035%
393	17.619	17.609	17.632	VV	16415	202118	3.16%	0.069%
394	17.647	17.632	17.652	VV	17393	188721	2.95%	0.065%
395	17.667	17.652	17.672	VV	22698	237267	3.71%	0.081%
396	17.682	17.672	17.704	VV	27912	428510	6.70%	0.147%
397	17.710	17.704	17.719	VV	20002	170557	2.67%	0.058%
398	17.727	17.719	17.735	VV	22948	212931	3.33%	0.073%
399	17.767	17.735	17.794	VV	46020	1100354	17.20%	0.377%
400	17.817	17.794	17.827	VV	27829	446239	6.97%	0.153%
401	17.857	17.827	17.880	VV	41637	958311	14.98%	0.328%
402	17.907	17.880	17.918	VV	26496	483015	7.55%	0.166%
403	17.928	17.918	17.942	VV	22920	299793	4.69%	0.103%
404	17.948	17.942	17.954	VV	22240	144675	2.26%	0.050%

405	17.984	17.954	17.990	VV	33953	562890	8.80%	0.193%
406	17.996	17.990	18.009	VV	31912	303855	4.75%	0.104%
407	18.031	18.009	18.039	VV	30566	453024	7.08%	0.155%
408	18.045	18.039	18.054	VV	26226	230357	3.60%	0.079%
409	18.064	18.054	18.070	VV	27794	253271	3.96%	0.087%
410	18.082	18.070	18.092	VV	31226	357868	5.59%	0.123%
411	18.098	18.092	18.103	VV	26032	159828	2.50%	0.055%
412	18.113	18.103	18.118	VV	29631	251305	3.93%	0.086%
413	18.128	18.118	18.134	VV	31820	270889	4.23%	0.093%
414	18.136	18.134	18.147	VV	31584	233162	3.64%	0.080%
415	18.159	18.147	18.164	VV	34102	314613	4.92%	0.108%
416	18.170	18.164	18.179	VV	32893	270647	4.23%	0.093%
417	18.204	18.179	18.219	VV	41584	845845	13.22%	0.290%
418	18.233	18.219	18.244	VV	39166	540094	8.44%	0.185%
419	18.260	18.244	18.270	VV	42490	575157	8.99%	0.197%
420	18.295	18.270	18.302	VV	55212	858950	13.42%	0.294%
421	18.306	18.302	18.332	VV	55850	765199	11.96%	0.262%
422	18.342	18.332	18.352	VV	38876	417894	6.53%	0.143%
423	18.356	18.352	18.364	VV	36402	256848	4.01%	0.088%
424	18.380	18.364	18.403	VV	38762	816790	12.76%	0.280%
425	18.410	18.403	18.416	VV	34315	242068	3.78%	0.083%
426	18.425	18.416	18.430	VV	42209	308624	4.82%	0.106%
427	18.439	18.430	18.445	VV	41367	351269	5.49%	0.120%
428	18.461	18.445	18.483	VV	60585	1139591	17.81%	0.390%
429	18.490	18.483	18.506	VV	46969	548052	8.56%	0.188%
430	18.519	18.506	18.532	VV	40618	609994	9.53%	0.209%
431	18.542	18.532	18.548	VV	41182	382438	5.98%	0.131%
432	18.550	18.548	18.560	VV	43082	272783	4.26%	0.093%
433	18.576	18.560	18.584	VV	43518	560160	8.75%	0.192%
434	18.604	18.584	18.613	VV	55539	835087	13.05%	0.286%
435	18.617	18.613	18.626	VV	58300	414320	6.47%	0.142%
436	18.655	18.626	18.681	VV	99612	2313062	36.15%	0.793%
437	18.699	18.681	18.720	VV	98166	1888110	29.51%	0.647%
438	18.726	18.720	18.759	VV	70568	1283615	20.06%	0.440%
439	18.772	18.759	18.779	VV	52182	556616	8.70%	0.191%
440	18.784	18.779	18.796	VV	49813	478255	7.47%	0.164%
441	18.801	18.796	18.805	VV	44271	231239	3.61%	0.079%
442	18.830	18.805	18.850	VV	76696	1667006	26.05%	0.571%
443	18.866	18.850	18.918	VV	68177	2086958	32.61%	0.715%
444	18.961	18.918	18.979	VV	101055	2359744	36.88%	0.809%
445	19.003	18.979	19.015	VV	58760	1191998	18.63%	0.408%
446	19.046	19.015	19.060	VV	66852	1528817	23.89%	0.524%
447	19.086	19.060	19.112	VV	81700	2078743	32.49%	0.712%
448	19.134	19.112	19.140	VV	83222	1237076	19.33%	0.424%
449	19.142	19.140	19.164	VV	77662	1019697	15.94%	0.349%
450	19.186	19.164	19.202	VV	72554	1472815	23.02%	0.505%
451	19.222	19.202	19.235	VV	71660	1322179	20.66%	0.453%
452	19.259	19.235	19.280	VV	82705	1941979	30.35%	0.665%
453	19.287	19.280	19.294	VV	79061	645330	10.09%	0.221%
454	19.305	19.294	19.329	VV	83294	1561722	24.41%	0.535%
455	19.344	19.329	19.368	VV	76785	1620610	25.33%	0.555%
456	19.398	19.368	19.411	VV	86093	1928100	30.13%	0.661%

457	19.416	19.411	19.426	VV	77816	676777	10.58%	0.232%
458	19.502	19.426	19.527	VV	132338	5816002	90.89%	1.993%
459	19.536	19.527	19.542	VV	112941	925244	14.46%	0.317%
460	19.550	19.542	19.556	VV	103445	787821	12.31%	0.270%
461	19.560	19.556	19.569	VV	92309	715856	11.19%	0.245%
462	19.572	19.569	19.588	VV	90779	985348	15.40%	0.338%
463	19.605	19.588	19.614	VV	88024	1280063	20.00%	0.439%
464	19.628	19.614	19.632	VV	95316	936667	14.64%	0.321%
465	19.638	19.632	19.645	VV	94434	709689	11.09%	0.243%
466	19.652	19.645	19.659	VV	94673	756591	11.82%	0.259%
467	19.663	19.659	19.673	VV	94108	743393	11.62%	0.255%
468	19.683	19.673	19.689	VV	90164	793144	12.40%	0.272%
469	19.696	19.689	19.704	VV	87781	765598	11.96%	0.262%
470	19.710	19.704	19.717	VV	86126	645716	10.09%	0.221%
471	19.727	19.717	19.732	VV	91231	783172	12.24%	0.268%
472	19.737	19.732	19.752	VV	88930	1014512	15.85%	0.348%
473	19.760	19.752	19.771	VV	88463	925853	14.47%	0.317%
474	19.783	19.771	19.793	VV	95272	1231001	19.24%	0.422%
475	19.799	19.793	19.804	VV	94826	592498	9.26%	0.203%
476	19.809	19.804	19.814	VV	92422	506701	7.92%	0.174%
477	19.830	19.814	19.838	VV	101200	1323763	20.69%	0.454%
478	19.859	19.838	19.865	VV	100189	1521791	23.78%	0.521%
479	19.871	19.865	19.883	VV	105873	1075844	16.81%	0.369%
480	19.892	19.883	19.907	VV	100297	1370957	21.43%	0.470%
481	19.931	19.907	19.941	VV	109849	2036612	31.83%	0.698%
482	19.946	19.941	19.954	VV	112025	869838	13.59%	0.298%
483	19.960	19.954	19.989	VV	119528	2349451	36.72%	0.805%
484	19.994	19.989	20.023	VV	107981	2032441	31.76%	0.696%
485	20.051	20.023	20.066	VV	124106	2856253	44.64%	0.979%
486	20.071	20.066	20.086	VV	113151	1239804	19.38%	0.425%
487	20.118	20.086	20.122	VV	149217	2630085	41.10%	0.901%
488	20.128	20.122	20.137	VV	149594	1264436	19.76%	0.433%
489	20.146	20.137	20.161	VV	147469	1993035	31.15%	0.683%
490	20.166	20.161	20.171	VV	143527	781197	12.21%	0.268%
491	20.201	20.171	20.216	VV	154696	3937567	61.54%	1.349%
492	20.247	20.216	20.260	VV	160089	3862895	60.37%	1.324%
493	20.263	20.260	20.269	VV	153119	840271	13.13%	0.288%
494	20.286	20.269	20.296	VV	170292	2437461	38.09%	0.835%
495	20.301	20.296	20.312	VV	168156	1556039	24.32%	0.533%
496	20.326	20.312	20.333	VV	157580	1921660	30.03%	0.658%
497	20.338	20.333	20.343	VV	143931	858448	13.42%	0.294%
498	20.351	20.343	20.364	VV	156577	1796197	28.07%	0.615%
499	20.372	20.364	20.381	VV	145917	1422156	22.23%	0.487%
500	20.384	20.381	20.388	VV	142620	608210	9.51%	0.208%
501	20.391	20.388	20.395	VV	135716	575571	8.99%	0.197%
502	20.401	20.395	20.404	VV	141394	695952	10.88%	0.238%
503	20.410	20.404	20.425	VV	146376	1773362	27.71%	0.608%
504	20.436	20.425	20.453	VV	153277	2429278	37.96%	0.832%
505	20.471	20.453	20.475	VV	159044	2014972	31.49%	0.690%
506	20.500	20.475	20.520	VV	188160	4719872	73.76%	1.617%
507	20.542	20.520	20.546	VV	175265	2563339	40.06%	0.878%
508	20.579	20.546	20.596	VV	183625	5265929	82.30%	1.804%
509	20.600	20.596	20.613	VV	174310	1690823	26.42%	0.579%

510	20.619	20.613	20.633	VV	176678	2041833	31.91%	0.700%
511	20.649	20.633	20.659	VV	178444	2665539	41.66%	0.913%
512	20.664	20.659	20.668	VV	180380	985489	15.40%	0.338%
513	20.678	20.668	20.703	VV	180070	3419985	53.45%	1.172%
514	20.707	20.703	20.711	VV	155127	790305	12.35%	0.271%
515	20.717	20.711	20.742	VV	162155	2834943	44.30%	0.971%
516	20.762	20.742	20.774	VV	158879	2961171	46.28%	1.015%
517	20.791	20.774	20.796	VV	159869	2000171	31.26%	0.685%
518	20.800	20.796	20.812	VV	152369	1408506	22.01%	0.483%
519	20.828	20.812	20.832	VV	155600	1739545	27.19%	0.596%
520	20.844	20.832	20.850	VV	170288	1734336	27.10%	0.594%
521	20.866	20.850	20.879	VV	177310	3028117	47.32%	1.038%
522	20.893	20.879	20.936	VV	168101	5311591	83.01%	1.820%
523	20.940	20.936	20.956	VV	154874	1761739	27.53%	0.604%
524	20.960	20.956	20.974	VV	141489	1499698	23.44%	0.514%
525	20.983	20.974	20.987	VV	147772	1141242	17.84%	0.391%
526	20.995	20.987	21.023	VV	146064	2914083	45.54%	0.999%
527	21.043	21.023	21.067	VV	144839	3466699	54.18%	1.188%
528	21.074	21.067	21.084	VV	123425	1171622	18.31%	0.401%
529	21.097	21.084	21.102	VV	127079	1315490	20.56%	0.451%
530	21.136	21.102	21.142	VV	135271	3116451	48.70%	1.068%
531	21.148	21.142	21.173	VV	136962	2459595	38.44%	0.843%
532	21.180	21.173	21.184	VV	142108	882505	13.79%	0.302%
533	21.189	21.184	21.202	VV	145914	1542441	24.11%	0.529%
534	21.210	21.202	21.216	VV	142267	1051619	16.43%	0.360%
535	21.228	21.216	21.243	VV	139884	2220236	34.70%	0.761%
536	21.260	21.243	21.324	VV	147394	6398800	100.00%	2.193%
537	21.333	21.324	21.363	VV	122542	2592631	40.52%	0.888%
538	21.370	21.363	21.395	VV	111207	1955255	30.56%	0.670%
539	21.402	21.395	21.416	VV	105873	1183374	18.49%	0.405%
540	21.442	21.416	21.449	VV	107357	1945493	30.40%	0.667%
541	21.457	21.449	21.468	VV	114576	1191783	18.63%	0.408%
542	21.474	21.468	21.493	VV	109718	1588816	24.83%	0.544%
543	21.498	21.493	21.503	VV	107353	583502	9.12%	0.200%
544	21.507	21.503	21.521	VV	103360	1028618	16.08%	0.352%
545	21.532	21.521	21.542	VV	98902	1182439	18.48%	0.405%
546	21.548	21.542	21.556	VV	102025	803363	12.55%	0.275%
547	21.559	21.556	21.563	VV	97662	407754	6.37%	0.140%
548	21.571	21.563	21.585	VV	102492	1328041	20.75%	0.455%
549	21.596	21.585	21.618	VV	98368	1759925	27.50%	0.603%
550	21.627	21.618	21.635	VV	96610	912297	14.26%	0.313%
551	21.644	21.635	21.653	VV	92578	977769	15.28%	0.335%
552	21.659	21.653	21.663	VV	99616	525887	8.22%	0.180%
553	21.668	21.663	21.673	VV	100770	575401	8.99%	0.197%
554	21.681	21.673	21.691	VV	105090	1015552	15.87%	0.348%
555	21.705	21.691	21.712	VV	101237	1205708	18.84%	0.413%
556	21.718	21.712	21.727	VV	89658	757023	11.83%	0.259%
557	21.746	21.727	21.791	VV	94644	3213900	50.23%	1.101%
558	21.795	21.791	21.804	VV	74990	557344	8.71%	0.191%
559	21.808	21.804	21.819	VV	77666	631485	9.87%	0.216%
560	21.825	21.819	21.856	VV	68476	1385526	21.65%	0.475%
561	21.863	21.856	21.894	VV	64025	1314807	20.55%	0.451%

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562	21.913	21.894	21.918	VV	60469	785694	12.28%	0.269%
563	21.921	21.918	21.924	VV	60264	226457	3.54%	0.078%
564	21.929	21.924	21.948	VV	60621	758896	11.86%	0.260%
565	21.952	21.948	21.969	VV	54730	607039	9.49%	0.208%
566	21.987	21.969	22.028	VV	53083	1689251	26.40%	0.579%
567	22.061	22.028	22.081	VV	61631	1721961	26.91%	0.590%
568	22.087	22.081	22.094	VV	58415	412403	6.45%	0.141%
569	22.110	22.094	22.115	VV	55875	635175	9.93%	0.218%
570	22.119	22.115	22.129	VV	51410	384276	6.01%	0.132%
571	22.137	22.129	22.145	VV	43687	416400	6.51%	0.143%
572	22.151	22.145	22.166	VV	43903	491970	7.69%	0.169%
573	22.202	22.166	22.207	VV	58343	1174404	18.35%	0.402%
574	22.212	22.207	22.241	VV	59870	970915	15.17%	0.333%
575	22.246	22.241	22.287	VV	42045	949280	14.84%	0.325%
576	22.296	22.287	22.305	VV	29245	270538	4.23%	0.093%
577	22.309	22.305	22.316	VV	25126	159769	2.50%	0.055%
578	22.324	22.316	22.353	VV	24750	418769	6.54%	0.143%
579	22.362	22.353	22.375	VV	9907	101470	1.59%	0.035%
580	22.381	22.375	22.387	PV	8426	29665	0.46%	0.010%

Sum of corrected areas: 291844886

FG070925.M Fri Jul 11 05:03:12 2025

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

LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25**			**07/01/25**
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/07/25	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25**			**07/01/25**
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/09/25	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25**			**07/01/25**
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/07/25	
Q2473-04	**PIT#4**	**SOIL**			**07/01/25**			**07/01/25**
			Mercury	7471B		07/02/25	07/03/25	
			Metals ICP-TAL	6010D		07/03/25	07/07/25	
Q2473-05	**PIT#1**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/07/25	
Q2473-06	**PIT#2**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/07/25	
Q2473-07	**PIT#3**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/10/25	
Q2473-08	**PIT#4**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/10/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2473 **Order ID:** Q2473

Client: JPCL Engineering **Project ID:** NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PIT#1								
Q2473-01	PIT#1	SOIL	Aluminum	6190		0.81	4.83	mg/Kg
Q2473-01	PIT#1	SOIL	Antimony	0.30	J	0.21	2.42	mg/Kg
Q2473-01	PIT#1	SOIL	Arsenic	3.56		0.18	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Barium	79.5		0.71	4.83	mg/Kg
Q2473-01	PIT#1	SOIL	Beryllium	0.44		0.024	0.29	mg/Kg
Q2473-01	PIT#1	SOIL	Cadmium	0.31		0.023	0.29	mg/Kg
Q2473-01	PIT#1	SOIL	Calcium	28500		10.7	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Chromium	26.4		0.045	0.48	mg/Kg
Q2473-01	PIT#1	SOIL	Cobalt	8.38		0.097	1.45	mg/Kg
Q2473-01	PIT#1	SOIL	Copper	59.4		0.21	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Iron	15000		3.86	4.83	mg/Kg
Q2473-01	PIT#1	SOIL	Lead	120		0.13	0.58	mg/Kg
Q2473-01	PIT#1	SOIL	Magnesium	4770		11.6	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Manganese	217		0.14	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Mercury	0.15		0.0080	0.015	mg/Kg
Q2473-01	PIT#1	SOIL	Nickel	25.1		0.13	1.93	mg/Kg
Q2473-01	PIT#1	SOIL	Potassium	1290		26.8	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Selenium	0.56	J	0.25	0.97	mg/Kg
Q2473-01	PIT#1	SOIL	Sodium	463		17.2	96.6	mg/Kg
Q2473-01	PIT#1	SOIL	Vanadium	19.9		0.24	1.93	mg/Kg
Q2473-01	PIT#1	SOIL	Zinc	327		0.22	1.93	mg/Kg
Client ID : PIT#2								
Q2473-02	PIT#2	SOIL	Aluminum	5500		0.82	4.87	mg/Kg
Q2473-02	PIT#2	SOIL	Antimony	1.56	J	0.21	2.43	mg/Kg
Q2473-02	PIT#2	SOIL	Arsenic	4.49		0.19	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Barium	87.7		0.71	4.87	mg/Kg
Q2473-02	PIT#2	SOIL	Beryllium	0.43		0.024	0.29	mg/Kg
Q2473-02	PIT#2	SOIL	Cadmium	0.20	J	0.023	0.29	mg/Kg
Q2473-02	PIT#2	SOIL	Calcium	26600		10.8	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Chromium	14.5		0.046	0.49	mg/Kg
Q2473-02	PIT#2	SOIL	Cobalt	6.88		0.097	1.46	mg/Kg
Q2473-02	PIT#2	SOIL	Copper	27.5		0.21	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Iron	11000		3.88	4.87	mg/Kg
Q2473-02	PIT#2	SOIL	Lead	104		0.13	0.58	mg/Kg
Q2473-02	PIT#2	SOIL	Magnesium	3990		11.7	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Manganese	211		0.14	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Mercury	0.20		0.0080	0.015	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2473 **Order ID:** Q2473

Client: JPCL Engineering **Project ID:** NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2473-02	PIT#2	SOIL	Nickel	16.6		0.13	1.95	mg/Kg
Q2473-02	PIT#2	SOIL	Potassium	1050		27.0	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Selenium	1.22		0.25	0.97	mg/Kg
Q2473-02	PIT#2	SOIL	Silver	0.15	J	0.12	0.49	mg/Kg
Q2473-02	PIT#2	SOIL	Sodium	240		17.3	97.4	mg/Kg
Q2473-02	PIT#2	SOIL	Vanadium	20.5		0.24	1.95	mg/Kg
Q2473-02	PIT#2	SOIL	Zinc	90.8		0.11	1.95	mg/Kg
Client ID : PIT#3								
Q2473-03	PIT#3	SOIL	Aluminum	4930		0.78	4.64	mg/Kg
Q2473-03	PIT#3	SOIL	Antimony	0.45	J	0.20	2.32	mg/Kg
Q2473-03	PIT#3	SOIL	Arsenic	4.43		0.18	0.93	mg/Kg
Q2473-03	PIT#3	SOIL	Barium	51.8		0.68	4.64	mg/Kg
Q2473-03	PIT#3	SOIL	Beryllium	0.28		0.023	0.28	mg/Kg
Q2473-03	PIT#3	SOIL	Cadmium	0.30		0.022	0.28	mg/Kg
Q2473-03	PIT#3	SOIL	Calcium	23400		10.3	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Chromium	13.1		0.044	0.46	mg/Kg
Q2473-03	PIT#3	SOIL	Cobalt	4.23		0.093	1.39	mg/Kg
Q2473-03	PIT#3	SOIL	Copper	21.9		0.20	0.93	mg/Kg
Q2473-03	PIT#3	SOIL	Iron	9900		3.70	4.64	mg/Kg
Q2473-03	PIT#3	SOIL	Lead	69.0		0.12	0.56	mg/Kg
Q2473-03	PIT#3	SOIL	Magnesium	5810		11.1	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Manganese	149		0.13	0.93	mg/Kg
Q2473-03	PIT#3	SOIL	Mercury	0.14		0.0080	0.015	mg/Kg
Q2473-03	PIT#3	SOIL	Nickel	12.6		0.12	1.85	mg/Kg
Q2473-03	PIT#3	SOIL	Potassium	769		25.7	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Sodium	252		16.5	92.7	mg/Kg
Q2473-03	PIT#3	SOIL	Vanadium	16.4		0.23	1.85	mg/Kg
Q2473-03	PIT#3	SOIL	Zinc	67.6		0.21	1.85	mg/Kg
Client ID : PIT#4								
Q2473-04	PIT#4	SOIL	Aluminum	5520		0.85	5.06	mg/Kg
Q2473-04	PIT#4	SOIL	Antimony	0.46	J	0.22	2.53	mg/Kg
Q2473-04	PIT#4	SOIL	Arsenic	5.03		0.19	1.01	mg/Kg
Q2473-04	PIT#4	SOIL	Barium	66.3		0.74	5.06	mg/Kg
Q2473-04	PIT#4	SOIL	Beryllium	0.35		0.025	0.30	mg/Kg
Q2473-04	PIT#4	SOIL	Cadmium	0.29	J	0.024	0.30	mg/Kg
Q2473-04	PIT#4	SOIL	Calcium	32600		11.2	101	mg/Kg
Q2473-04	PIT#4	SOIL	Chromium	16.5		0.048	0.51	mg/Kg
Q2473-04	PIT#4	SOIL	Cobalt	5.72		0.10	1.52	mg/Kg
Q2473-04	PIT#4	SOIL	Copper	24.7		0.22	1.01	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q2473 **Order ID:** Q2473

Client: JPCL Engineering **Project ID:** NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2473-04	PIT#4	SOIL	Iron	13300		4.04	5.06	mg/Kg
Q2473-04	PIT#4	SOIL	Lead	87.8		0.13	0.61	mg/Kg
Q2473-04	PIT#4	SOIL	Magnesium	9820		12.1	101	mg/Kg
Q2473-04	PIT#4	SOIL	Manganese	197		0.14	1.01	mg/Kg
Q2473-04	PIT#4	SOIL	Mercury	0.18		0.0080	0.014	mg/Kg
Q2473-04	PIT#4	SOIL	Nickel	18.6		0.13	2.02	mg/Kg
Q2473-04	PIT#4	SOIL	Potassium	1080		28.0	101	mg/Kg
Q2473-04	PIT#4	SOIL	Selenium	0.56	J	0.26	1.01	mg/Kg
Q2473-04	PIT#4	SOIL	Sodium	390		18.0	101	mg/Kg
Q2473-04	PIT#4	SOIL	Vanadium	18.6		0.25	2.02	mg/Kg
Q2473-04	PIT#4	SOIL	Zinc	82.8		0.23	2.02	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6190		1	0.81	4.83	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-36-0	Antimony	0.30	JN	1	0.21	2.42	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-38-2	Arsenic	3.56		1	0.18	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-39-3	Barium	79.5		1	0.71	4.83	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-41-7	Beryllium	0.44		1	0.024	0.29	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-43-9	Cadmium	0.31		1	0.023	0.29	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-70-2	Calcium	28500	*	1	10.7	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-47-3	Chromium	26.4		1	0.045	0.48	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-48-4	Cobalt	8.38		1	0.097	1.45	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-50-8	Copper	59.4		1	0.21	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-89-6	Iron	15000		1	3.86	4.83	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-92-1	Lead	120		1	0.13	0.58	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-95-4	Magnesium	4770		1	11.6	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-96-5	Manganese	217		1	0.14	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7439-97-6	Mercury	0.15		1	0.0080	0.015	mg/Kg	07/02/25 16:25	07/03/25 11:36	7471B	
7440-02-0	Nickel	25.1		1	0.13	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-09-7	Potassium	1290		1	26.8	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7782-49-2	Selenium	0.56	JN	1	0.25	0.97	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.48	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-23-5	Sodium	463	N	1	17.2	96.6	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-62-2	Vanadium	19.9		1	0.24	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050
7440-66-6	Zinc	327		1	0.22	1.93	mg/Kg	07/03/25 10:30	07/07/25 17:09	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5500		1	0.82	4.87	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-36-0	Antimony	1.56	JN	1	0.21	2.43	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-38-2	Arsenic	4.49		1	0.19	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-39-3	Barium	87.7		1	0.71	4.87	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-41-7	Beryllium	0.43		1	0.024	0.29	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-43-9	Cadmium	0.20	J	1	0.023	0.29	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-70-2	Calcium	26600	*	1	10.8	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-47-3	Chromium	14.5		1	0.046	0.49	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-48-4	Cobalt	6.88		1	0.097	1.46	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-50-8	Copper	27.5		1	0.21	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-89-6	Iron	11000		1	3.88	4.87	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-92-1	Lead	104		1	0.13	0.58	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-95-4	Magnesium	3990		1	11.7	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-96-5	Manganese	211		1	0.14	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7439-97-6	Mercury	0.20		1	0.0080	0.015	mg/Kg	07/02/25 16:25	07/03/25 11:38	7471B	
7440-02-0	Nickel	16.6		1	0.13	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-09-7	Potassium	1050		1	27.0	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7782-49-2	Selenium	1.22	N	1	0.25	0.97	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-22-4	Silver	0.15	JN	1	0.12	0.49	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-23-5	Sodium	240	N	1	17.3	97.4	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-62-2	Vanadium	20.5		1	0.24	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050
7440-66-6	Zinc	90.8		1	0.11	1.95	mg/Kg	07/03/25 10:30	07/09/25 18:40	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4930		1	0.78	4.64	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-36-0	Antimony	0.45	JN	1	0.20	2.32	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-38-2	Arsenic	4.43		1	0.18	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-39-3	Barium	51.8		1	0.68	4.64	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-41-7	Beryllium	0.28		1	0.023	0.28	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-43-9	Cadmium	0.30		1	0.022	0.28	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-70-2	Calcium	23400	*	1	10.3	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-47-3	Chromium	13.1		1	0.044	0.46	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-48-4	Cobalt	4.23		1	0.093	1.39	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-50-8	Copper	21.9		1	0.20	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-89-6	Iron	9900		1	3.70	4.64	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-92-1	Lead	69.0		1	0.12	0.56	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-95-4	Magnesium	5810		1	11.1	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-96-5	Manganese	149		1	0.13	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7439-97-6	Mercury	0.14		1	0.0080	0.015	mg/Kg	07/02/25 16:25	07/03/25 11:41	7471B	
7440-02-0	Nickel	12.6		1	0.12	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-09-7	Potassium	769		1	25.7	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7782-49-2	Selenium	0.24	UN	1	0.24	0.93	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-22-4	Silver	0.11	UN	1	0.11	0.46	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-23-5	Sodium	252	N	1	16.5	92.7	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-28-0	Thallium	0.21	U	1	0.21	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-62-2	Vanadium	16.4		1	0.23	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050
7440-66-6	Zinc	67.6		1	0.21	1.85	mg/Kg	07/03/25 10:30	07/07/25 17:18	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	5520		1	0.85	5.06	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-36-0	Antimony	0.46	JN	1	0.22	2.53	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-38-2	Arsenic	5.03		1	0.19	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-39-3	Barium	66.3		1	0.74	5.06	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-41-7	Beryllium	0.35		1	0.025	0.30	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-43-9	Cadmium	0.29	J	1	0.024	0.30	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-70-2	Calcium	32600	*	1	11.2	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-47-3	Chromium	16.5		1	0.048	0.51	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-48-4	Cobalt	5.72		1	0.10	1.52	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-50-8	Copper	24.7		1	0.22	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-89-6	Iron	13300		1	4.04	5.06	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-92-1	Lead	87.8		1	0.13	0.61	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-95-4	Magnesium	9820		1	12.1	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-96-5	Manganese	197		1	0.14	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7439-97-6	Mercury	0.18		1	0.0080	0.014	mg/Kg	07/02/25 16:25	07/03/25 11:43	7471B	
7440-02-0	Nickel	18.6		1	0.13	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-09-7	Potassium	1080		1	28.0	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7782-49-2	Selenium	0.56	JN	1	0.26	1.01	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-22-4	Silver	0.12	UN	1	0.12	0.51	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-23-5	Sodium	390	N	1	18.0	101	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-62-2	Vanadium	18.6		1	0.25	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050
7440-66-6	Zinc	82.8		1	0.23	2.02	mg/Kg	07/03/25 10:30	07/07/25 17:22	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV16	Mercury	4.26	4.0	106	90 - 110	CV	07/03/2025	11:13	LB136369

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV51	Mercury	5.14	5.0	103	90 - 110	CV	07/03/2025	11:20	LB136369
CCV52	Mercury	5.23	5.0	104	90 - 110	CV	07/03/2025	11:48	LB136369
CCV53	Mercury	5.02	5.0	100	90 - 110	CV	07/03/2025	12:15	LB136369
CCV54	Mercury	5.04	5.0	101	90 - 110	CV	07/03/2025	12:30	LB136369

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7480	8000	94	90 - 110	P	07/07/2025	13:22	LB136390
	Antimony	4050	4000	101	90 - 110	P	07/07/2025	13:22	LB136390
	Arsenic	3880	4000	97	90 - 110	P	07/07/2025	13:22	LB136390
	Barium	7340	8000	92	90 - 110	P	07/07/2025	13:22	LB136390
	Beryllium	189	200	94	90 - 110	P	07/07/2025	13:22	LB136390
	Cadmium	1950	2000	98	90 - 110	P	07/07/2025	13:22	LB136390
	Calcium	18600	20000	93	90 - 110	P	07/07/2025	13:22	LB136390
	Chromium	804	800	100	90 - 110	P	07/07/2025	13:22	LB136390
	Cobalt	1960	2000	98	90 - 110	P	07/07/2025	13:22	LB136390
	Copper	993	1000	99	90 - 110	P	07/07/2025	13:22	LB136390
	Iron	4060	4000	101	90 - 110	P	07/07/2025	13:22	LB136390
	Lead	3810	4000	95	90 - 110	P	07/07/2025	13:22	LB136390
	Magnesium	18700	20000	94	90 - 110	P	07/07/2025	13:22	LB136390
	Manganese	1870	2000	93	90 - 110	P	07/07/2025	13:22	LB136390
	Nickel	1960	2000	98	90 - 110	P	07/07/2025	13:22	LB136390
	Potassium	20200	20000	101	90 - 110	P	07/07/2025	13:22	LB136390
	Selenium	3890	4000	97	90 - 110	P	07/07/2025	13:22	LB136390
	Silver	1020	1000	102	90 - 110	P	07/07/2025	13:22	LB136390
	Sodium	20400	20000	102	90 - 110	P	07/07/2025	13:22	LB136390
	Thallium	3670	4000	92	90 - 110	P	07/07/2025	13:22	LB136390
	Vanadium	1870	2000	94	90 - 110	P	07/07/2025	13:22	LB136390
	Zinc	1990	2000	100	90 - 110	P	07/07/2025	13:22	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	102	100	102	80 - 120	P	07/07/2025	13:41	LB136390
	Antimony	50.5	50.0	101	80 - 120	P	07/07/2025	13:41	LB136390
	Arsenic	22.5	20.0	112	80 - 120	P	07/07/2025	13:41	LB136390
	Barium	92.5	100	92	80 - 120	P	07/07/2025	13:41	LB136390
	Beryllium	5.89	6.0	98	80 - 120	P	07/07/2025	13:41	LB136390
	Cadmium	6.03	6.0	100	80 - 120	P	07/07/2025	13:41	LB136390
	Calcium	1960	2000	98	80 - 120	P	07/07/2025	13:41	LB136390
	Chromium	11.0	10.0	110	80 - 120	P	07/07/2025	13:41	LB136390
	Cobalt	29.7	30.0	99	80 - 120	P	07/07/2025	13:41	LB136390
	Copper	21.6	20.0	108	80 - 120	P	07/07/2025	13:41	LB136390
	Iron	96.2	100	96	80 - 120	P	07/07/2025	13:41	LB136390
	Lead	12.3	12.0	103	80 - 120	P	07/07/2025	13:41	LB136390
	Magnesium	2070	2000	104	80 - 120	P	07/07/2025	13:41	LB136390
	Manganese	20.4	20.0	102	80 - 120	P	07/07/2025	13:41	LB136390
	Nickel	41.6	40.0	104	80 - 120	P	07/07/2025	13:41	LB136390
	Potassium	1810	2000	90	80 - 120	P	07/07/2025	13:41	LB136390
	Selenium	20.1	20.0	101	80 - 120	P	07/07/2025	13:41	LB136390
	Silver	9.83	10.0	98	80 - 120	P	07/07/2025	13:41	LB136390
	Sodium	2000	2000	100	80 - 120	P	07/07/2025	13:41	LB136390
	Thallium	38.6	40.0	96	80 - 120	P	07/07/2025	13:41	LB136390
	Vanadium	38.5	40.0	96	80 - 120	P	07/07/2025	13:41	LB136390
	Zinc	42.7	40.0	107	80 - 120	P	07/07/2025	13:41	LB136390

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	9890	10000	99	90 - 110	P	07/07/2025	14:38	LB136390
	Antimony	5080	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Arsenic	5120	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Barium	9860	10000	99	90 - 110	P	07/07/2025	14:38	LB136390
	Beryllium	247	250	99	90 - 110	P	07/07/2025	14:38	LB136390
	Cadmium	2550	2500	102	90 - 110	P	07/07/2025	14:38	LB136390
	Calcium	24700	25000	99	90 - 110	P	07/07/2025	14:38	LB136390
	Chromium	1010	1000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Cobalt	2530	2500	101	90 - 110	P	07/07/2025	14:38	LB136390
	Copper	1280	1250	102	90 - 110	P	07/07/2025	14:38	LB136390
	Iron	5030	5000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Lead	5050	5000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Magnesium	24400	25000	97	90 - 110	P	07/07/2025	14:38	LB136390
	Manganese	2460	2500	98	90 - 110	P	07/07/2025	14:38	LB136390
	Nickel	2540	2500	102	90 - 110	P	07/07/2025	14:38	LB136390
	Potassium	25500	25000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Selenium	5090	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Silver	1250	1250	100	90 - 110	P	07/07/2025	14:38	LB136390
	Sodium	25700	25000	103	90 - 110	P	07/07/2025	14:38	LB136390
	Thallium	5090	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Vanadium	2450	2500	98	90 - 110	P	07/07/2025	14:38	LB136390
	Zinc	2530	2500	101	90 - 110	P	07/07/2025	14:38	LB136390
CCV02	Aluminum	9790	10000	98	90 - 110	P	07/07/2025	15:30	LB136390
	Antimony	5040	5000	101	90 - 110	P	07/07/2025	15:30	LB136390
	Arsenic	5030	5000	101	90 - 110	P	07/07/2025	15:30	LB136390
	Barium	9870	10000	99	90 - 110	P	07/07/2025	15:30	LB136390
	Beryllium	239	250	95	90 - 110	P	07/07/2025	15:30	LB136390
	Cadmium	2480	2500	99	90 - 110	P	07/07/2025	15:30	LB136390
	Calcium	24400	25000	98	90 - 110	P	07/07/2025	15:30	LB136390
	Chromium	994	1000	99	90 - 110	P	07/07/2025	15:30	LB136390
	Cobalt	2480	2500	99	90 - 110	P	07/07/2025	15:30	LB136390
	Copper	1260	1250	101	90 - 110	P	07/07/2025	15:30	LB136390
	Iron	5020	5000	100	90 - 110	P	07/07/2025	15:30	LB136390
	Lead	4930	5000	99	90 - 110	P	07/07/2025	15:30	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24000	25000	96	90 - 110	P	07/07/2025	15:30	LB136390
	Manganese	2420	2500	97	90 - 110	P	07/07/2025	15:30	LB136390
	Nickel	2490	2500	100	90 - 110	P	07/07/2025	15:30	LB136390
	Potassium	24200	25000	97	90 - 110	P	07/07/2025	15:30	LB136390
	Selenium	5010	5000	100	90 - 110	P	07/07/2025	15:30	LB136390
	Silver	1240	1250	99	90 - 110	P	07/07/2025	15:30	LB136390
	Sodium	22700	25000	91	90 - 110	P	07/07/2025	15:30	LB136390
	Thallium	4840	5000	97	90 - 110	P	07/07/2025	15:30	LB136390
	Vanadium	2420	2500	97	90 - 110	P	07/07/2025	15:30	LB136390
	Zinc	2510	2500	101	90 - 110	P	07/07/2025	15:30	LB136390
CCV03	Aluminum	9880	10000	99	90 - 110	P	07/07/2025	16:33	LB136390
	Antimony	5100	5000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Arsenic	5100	5000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Barium	10000	10000	100	90 - 110	P	07/07/2025	16:33	LB136390
	Beryllium	245	250	98	90 - 110	P	07/07/2025	16:33	LB136390
	Cadmium	2520	2500	101	90 - 110	P	07/07/2025	16:33	LB136390
	Calcium	24600	25000	98	90 - 110	P	07/07/2025	16:33	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Cobalt	2520	2500	101	90 - 110	P	07/07/2025	16:33	LB136390
	Copper	1280	1250	102	90 - 110	P	07/07/2025	16:33	LB136390
	Iron	5150	5000	103	90 - 110	P	07/07/2025	16:33	LB136390
	Lead	5010	5000	100	90 - 110	P	07/07/2025	16:33	LB136390
	Magnesium	24100	25000	96	90 - 110	P	07/07/2025	16:33	LB136390
	Manganese	2460	2500	98	90 - 110	P	07/07/2025	16:33	LB136390
	Nickel	2530	2500	101	90 - 110	P	07/07/2025	16:33	LB136390
	Potassium	26000	25000	104	90 - 110	P	07/07/2025	16:33	LB136390
	Selenium	5070	5000	101	90 - 110	P	07/07/2025	16:33	LB136390
	Silver	1270	1250	101	90 - 110	P	07/07/2025	16:33	LB136390
	Sodium	24800	25000	99	90 - 110	P	07/07/2025	16:33	LB136390
	Thallium	4700	5000	94	90 - 110	P	07/07/2025	16:33	LB136390
	Vanadium	2440	2500	98	90 - 110	P	07/07/2025	16:33	LB136390
	Zinc	2580	2500	103	90 - 110	P	07/07/2025	16:33	LB136390
CCV04	Aluminum	9910	10000	99	90 - 110	P	07/07/2025	17:31	LB136390
	Antimony	5060	5000	101	90 - 110	P	07/07/2025	17:31	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5040	5000	101	90 - 110	P	07/07/2025	17:31	LB136390
	Barium	10200	10000	102	90 - 110	P	07/07/2025	17:31	LB136390
	Beryllium	240	250	96	90 - 110	P	07/07/2025	17:31	LB136390
	Cadmium	2480	2500	99	90 - 110	P	07/07/2025	17:31	LB136390
	Calcium	24600	25000	99	90 - 110	P	07/07/2025	17:31	LB136390
	Chromium	1010	1000	101	90 - 110	P	07/07/2025	17:31	LB136390
	Cobalt	2490	2500	100	90 - 110	P	07/07/2025	17:31	LB136390
	Copper	1260	1250	101	90 - 110	P	07/07/2025	17:31	LB136390
	Iron	5230	5000	104	90 - 110	P	07/07/2025	17:31	LB136390
	Lead	4930	5000	98	90 - 110	P	07/07/2025	17:31	LB136390
	Magnesium	23900	25000	96	90 - 110	P	07/07/2025	17:31	LB136390
	Manganese	2450	2500	98	90 - 110	P	07/07/2025	17:31	LB136390
	Nickel	2500	2500	100	90 - 110	P	07/07/2025	17:31	LB136390
	Potassium	27000	25000	108	90 - 110	P	07/07/2025	17:31	LB136390
	Selenium	5020	5000	100	90 - 110	P	07/07/2025	17:31	LB136390
	Silver	1260	1250	101	90 - 110	P	07/07/2025	17:31	LB136390
	Sodium	26700	25000	107	90 - 110	P	07/07/2025	17:31	LB136390
	Thallium	4540	5000	91	90 - 110	P	07/07/2025	17:31	LB136390
	Vanadium	2450	2500	98	90 - 110	P	07/07/2025	17:31	LB136390
	Zinc	2570	2500	103	90 - 110	P	07/07/2025	17:31	LB136390
CCV05	Aluminum	9950	10000	100	90 - 110	P	07/08/2025	01:43	LB136390
	Antimony	5110	5000	102	90 - 110	P	07/08/2025	01:43	LB136390
	Arsenic	5130	5000	103	90 - 110	P	07/08/2025	01:43	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	01:43	LB136390
	Beryllium	252	250	101	90 - 110	P	07/08/2025	01:43	LB136390
	Cadmium	2550	2500	102	90 - 110	P	07/08/2025	01:43	LB136390
	Calcium	24700	25000	99	90 - 110	P	07/08/2025	01:43	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	01:43	LB136390
	Cobalt	2540	2500	101	90 - 110	P	07/08/2025	01:43	LB136390
	Copper	1290	1250	103	90 - 110	P	07/08/2025	01:43	LB136390
	Iron	5020	5000	100	90 - 110	P	07/08/2025	01:43	LB136390
	Lead	5060	5000	101	90 - 110	P	07/08/2025	01:43	LB136390
	Magnesium	24200	25000	97	90 - 110	P	07/08/2025	01:43	LB136390
	Manganese	2460	2500	98	90 - 110	P	07/08/2025	01:43	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2550	2500	102	90 - 110	P	07/08/2025	01:43	LB136390
	Potassium	26200	25000	105	90 - 110	P	07/08/2025	01:43	LB136390
	Selenium	5100	5000	102	90 - 110	P	07/08/2025	01:43	LB136390
	Silver	1260	1250	101	90 - 110	P	07/08/2025	01:43	LB136390
	Sodium	26100	25000	104	90 - 110	P	07/08/2025	01:43	LB136390
	Thallium	4270	5000	85	90 - 110	P	07/08/2025	01:43	LB136390
	Vanadium	2460	2500	98	90 - 110	P	07/08/2025	01:43	LB136390
	Zinc	2540	2500	102	90 - 110	P	07/08/2025	01:43	LB136390
CCV06	Aluminum	9750	10000	98	90 - 110	P	07/08/2025	02:49	LB136390
	Antimony	5020	5000	100	90 - 110	P	07/08/2025	02:49	LB136390
	Arsenic	5030	5000	101	90 - 110	P	07/08/2025	02:49	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	02:49	LB136390
	Beryllium	249	250	100	90 - 110	P	07/08/2025	02:49	LB136390
	Cadmium	2490	2500	99	90 - 110	P	07/08/2025	02:49	LB136390
	Calcium	24500	25000	98	90 - 110	P	07/08/2025	02:49	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	02:49	LB136390
	Cobalt	2480	2500	99	90 - 110	P	07/08/2025	02:49	LB136390
	Copper	1260	1250	101	90 - 110	P	07/08/2025	02:49	LB136390
	Iron	5260	5000	105	90 - 110	P	07/08/2025	02:49	LB136390
	Lead	4940	5000	99	90 - 110	P	07/08/2025	02:49	LB136390
	Magnesium	24000	25000	96	90 - 110	P	07/08/2025	02:49	LB136390
	Manganese	2430	2500	97	90 - 110	P	07/08/2025	02:49	LB136390
	Nickel	2490	2500	100	90 - 110	P	07/08/2025	02:49	LB136390
	Potassium	27900	25000	111	90 - 110	P	07/08/2025	02:49	LB136390
	Selenium	5030	5000	100	90 - 110	P	07/08/2025	02:49	LB136390
	Silver	1270	1250	102	90 - 110	P	07/08/2025	02:49	LB136390
	Sodium	27100	25000	108	90 - 110	P	07/08/2025	02:49	LB136390
	Thallium	4390	5000	88	90 - 110	P	07/08/2025	02:49	LB136390
	Vanadium	2450	2500	98	90 - 110	P	07/08/2025	02:49	LB136390
	Zinc	2450	2500	98	90 - 110	P	07/08/2025	02:49	LB136390
CCV07	Aluminum	9870	10000	99	90 - 110	P	07/08/2025	03:40	LB136390
	Antimony	5060	5000	101	90 - 110	P	07/08/2025	03:40	LB136390
	Arsenic	5040	5000	101	90 - 110	P	07/08/2025	03:40	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	03:40	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	251	250	100	90 - 110	P	07/08/2025	03:40	LB136390
	Cadmium	2500	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Calcium	24800	25000	99	90 - 110	P	07/08/2025	03:40	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	03:40	LB136390
	Cobalt	2500	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Copper	1270	1250	102	90 - 110	P	07/08/2025	03:40	LB136390
	Iron	5150	5000	103	90 - 110	P	07/08/2025	03:40	LB136390
	Lead	4980	5000	100	90 - 110	P	07/08/2025	03:40	LB136390
	Magnesium	24300	25000	97	90 - 110	P	07/08/2025	03:40	LB136390
	Manganese	2470	2500	99	90 - 110	P	07/08/2025	03:40	LB136390
	Nickel	2510	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Potassium	27100	25000	108	90 - 110	P	07/08/2025	03:40	LB136390
	Selenium	5020	5000	100	90 - 110	P	07/08/2025	03:40	LB136390
	Silver	1270	1250	101	90 - 110	P	07/08/2025	03:40	LB136390
	Sodium	25100	25000	101	90 - 110	P	07/08/2025	03:40	LB136390
	Thallium	4520	5000	90	90 - 110	P	07/08/2025	03:40	LB136390
	Vanadium	2490	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Zinc	2500	2500	100	90 - 110	P	07/08/2025	03:40	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7590	8000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Antimony	3910	4000	98	90 - 110	P	07/09/2025	10:05	LB136407
	Arsenic	3660	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Barium	7770	8000	97	90 - 110	P	07/09/2025	10:05	LB136407
	Beryllium	194	200	97	90 - 110	P	07/09/2025	10:05	LB136407
	Cadmium	1860	2000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Calcium	19100	20000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Chromium	784	800	98	90 - 110	P	07/09/2025	10:05	LB136407
	Cobalt	1910	2000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Copper	1000	1000	100	90 - 110	P	07/09/2025	10:05	LB136407
	Iron	3730	4000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Lead	3700	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Magnesium	19100	20000	95	90 - 110	P	07/09/2025	10:05	LB136407
	Manganese	1920	2000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Nickel	1890	2000	94	90 - 110	P	07/09/2025	10:05	LB136407
	Potassium	18500	20000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Selenium	3760	4000	94	90 - 110	P	07/09/2025	10:05	LB136407
	Silver	1000	1000	100	90 - 110	P	07/09/2025	10:05	LB136407
	Sodium	19300	20000	96	90 - 110	P	07/09/2025	10:05	LB136407
	Thallium	3680	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Vanadium	1940	2000	97	90 - 110	P	07/09/2025	10:05	LB136407
	Zinc	1950	2000	97	90 - 110	P	07/09/2025	10:05	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	96.1	100	96	80 - 120	P	07/09/2025	10:17	LB136407
	Antimony	49.5	50.0	99	80 - 120	P	07/09/2025	10:17	LB136407
	Arsenic	20.8	20.0	104	80 - 120	P	07/09/2025	10:17	LB136407
	Barium	101	100	101	80 - 120	P	07/09/2025	10:17	LB136407
	Beryllium	6.07	6.0	101	80 - 120	P	07/09/2025	10:17	LB136407
	Cadmium	5.40	6.0	90	80 - 120	P	07/09/2025	10:17	LB136407
	Calcium	1940	2000	97	80 - 120	P	07/09/2025	10:17	LB136407
	Chromium	10.3	10.0	103	80 - 120	P	07/09/2025	10:17	LB136407
	Cobalt	28.4	30.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Copper	22.7	20.0	114	80 - 120	P	07/09/2025	10:17	LB136407
	Iron	117	100	117	80 - 120	P	07/09/2025	10:17	LB136407
	Lead	11.2	12.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Magnesium	2100	2000	105	80 - 120	P	07/09/2025	10:17	LB136407
	Manganese	23.0	20.0	115	80 - 120	P	07/09/2025	10:17	LB136407
	Nickel	37.8	40.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Potassium	1760	2000	88	80 - 120	P	07/09/2025	10:17	LB136407
	Selenium	21.3	20.0	107	80 - 120	P	07/09/2025	10:17	LB136407
	Silver	9.46	10.0	95	80 - 120	P	07/09/2025	10:17	LB136407
	Sodium	1770	2000	88	80 - 120	P	07/09/2025	10:17	LB136407
	Thallium	37.7	40.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Vanadium	37.7	40.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Zinc	42.1	40.0	105	80 - 120	P	07/09/2025	10:17	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10300	10000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Antimony	5070	5000	101	90 - 110	P	07/09/2025	10:48	LB136407
	Arsenic	4990	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	10:48	LB136407
	Beryllium	259	250	104	90 - 110	P	07/09/2025	10:48	LB136407
	Cadmium	2520	2500	101	90 - 110	P	07/09/2025	10:48	LB136407
	Calcium	25400	25000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	10:48	LB136407
	Cobalt	2480	2500	99	90 - 110	P	07/09/2025	10:48	LB136407
	Copper	1290	1250	104	90 - 110	P	07/09/2025	10:48	LB136407
	Iron	5010	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
	Lead	5040	5000	101	90 - 110	P	07/09/2025	10:48	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	10:48	LB136407
	Manganese	2620	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
	Nickel	2470	2500	99	90 - 110	P	07/09/2025	10:48	LB136407
	Potassium	25800	25000	103	90 - 110	P	07/09/2025	10:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	10:48	LB136407
	Sodium	26500	25000	106	90 - 110	P	07/09/2025	10:48	LB136407
	Thallium	5100	5000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Vanadium	2630	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
	Zinc	2630	2500	105	90 - 110	P	07/09/2025	10:48	LB136407
CCV02	Aluminum	9890	10000	99	90 - 110	P	07/09/2025	11:47	LB136407
	Antimony	5010	5000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	11:47	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	11:47	LB136407
	Beryllium	254	250	102	90 - 110	P	07/09/2025	11:47	LB136407
	Cadmium	2430	2500	97	90 - 110	P	07/09/2025	11:47	LB136407
	Calcium	25200	25000	101	90 - 110	P	07/09/2025	11:47	LB136407
	Chromium	997	1000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Cobalt	2400	2500	96	90 - 110	P	07/09/2025	11:47	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	11:47	LB136407
	Iron	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407
	Lead	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24200	25000	97	90 - 110	P	07/09/2025	11:47	LB136407
	Manganese	2580	2500	103	90 - 110	P	07/09/2025	11:47	LB136407
	Nickel	2400	2500	96	90 - 110	P	07/09/2025	11:47	LB136407
	Potassium	24100	25000	96	90 - 110	P	07/09/2025	11:47	LB136407
	Selenium	4960	5000	99	90 - 110	P	07/09/2025	11:47	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	11:47	LB136407
	Sodium	24500	25000	98	90 - 110	P	07/09/2025	11:47	LB136407
	Thallium	4990	5000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Vanadium	2600	2500	104	90 - 110	P	07/09/2025	11:47	LB136407
	Zinc	2590	2500	104	90 - 110	P	07/09/2025	11:47	LB136407
CCV03	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Antimony	5020	5000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Arsenic	4830	5000	96	90 - 110	P	07/09/2025	12:54	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	12:54	LB136407
	Beryllium	257	250	103	90 - 110	P	07/09/2025	12:54	LB136407
	Cadmium	2440	2500	98	90 - 110	P	07/09/2025	12:54	LB136407
	Calcium	25500	25000	102	90 - 110	P	07/09/2025	12:54	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Cobalt	2410	2500	97	90 - 110	P	07/09/2025	12:54	LB136407
	Copper	1270	1250	102	90 - 110	P	07/09/2025	12:54	LB136407
	Iron	4930	5000	99	90 - 110	P	07/09/2025	12:54	LB136407
	Lead	4890	5000	98	90 - 110	P	07/09/2025	12:54	LB136407
	Magnesium	24500	25000	98	90 - 110	P	07/09/2025	12:54	LB136407
	Manganese	2590	2500	103	90 - 110	P	07/09/2025	12:54	LB136407
	Nickel	2410	2500	96	90 - 110	P	07/09/2025	12:54	LB136407
	Potassium	24700	25000	99	90 - 110	P	07/09/2025	12:54	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	12:54	LB136407
	Sodium	25000	25000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Thallium	5030	5000	101	90 - 110	P	07/09/2025	12:54	LB136407
	Vanadium	2590	2500	104	90 - 110	P	07/09/2025	12:54	LB136407
	Zinc	2600	2500	104	90 - 110	P	07/09/2025	12:54	LB136407
CCV04	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Antimony	5010	5000	100	90 - 110	P	07/09/2025	14:05	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4860	5000	97	90 - 110	P	07/09/2025	14:05	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	14:05	LB136407
	Beryllium	259	250	104	90 - 110	P	07/09/2025	14:05	LB136407
	Cadmium	2460	2500	98	90 - 110	P	07/09/2025	14:05	LB136407
	Calcium	25700	25000	103	90 - 110	P	07/09/2025	14:05	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	14:05	LB136407
	Cobalt	2410	2500	96	90 - 110	P	07/09/2025	14:05	LB136407
	Copper	1280	1250	102	90 - 110	P	07/09/2025	14:05	LB136407
	Iron	5000	5000	100	90 - 110	P	07/09/2025	14:05	LB136407
	Lead	4930	5000	99	90 - 110	P	07/09/2025	14:05	LB136407
	Magnesium	24500	25000	98	90 - 110	P	07/09/2025	14:05	LB136407
	Manganese	2590	2500	104	90 - 110	P	07/09/2025	14:05	LB136407
	Nickel	2420	2500	97	90 - 110	P	07/09/2025	14:05	LB136407
	Potassium	25300	25000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	14:05	LB136407
	Sodium	25800	25000	103	90 - 110	P	07/09/2025	14:05	LB136407
	Thallium	5080	5000	102	90 - 110	P	07/09/2025	14:05	LB136407
	Vanadium	2580	2500	103	90 - 110	P	07/09/2025	14:05	LB136407
	Zinc	2580	2500	103	90 - 110	P	07/09/2025	14:05	LB136407
CCV05	Aluminum	10200	10000	102	90 - 110	P	07/09/2025	15:27	LB136407
	Antimony	5170	5000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Arsenic	5070	5000	101	90 - 110	P	07/09/2025	15:27	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	15:27	LB136407
	Beryllium	272	250	109	90 - 110	P	07/09/2025	15:27	LB136407
	Cadmium	2560	2500	103	90 - 110	P	07/09/2025	15:27	LB136407
	Calcium	26100	25000	104	90 - 110	P	07/09/2025	15:27	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Cobalt	2500	2500	100	90 - 110	P	07/09/2025	15:27	LB136407
	Copper	1340	1250	107	90 - 110	P	07/09/2025	15:27	LB136407
	Iron	5360	5000	107	90 - 110	P	07/09/2025	15:27	LB136407
	Lead	5130	5000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Magnesium	25100	25000	100	90 - 110	P	07/09/2025	15:27	LB136407
	Manganese	2600	2500	104	90 - 110	P	07/09/2025	15:27	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2510	2500	100	90 - 110	P	07/09/2025	15:27	LB136407
	Potassium	26800	25000	107	90 - 110	P	07/09/2025	15:27	LB136407
	Selenium	5260	5000	105	90 - 110	P	07/09/2025	15:27	LB136407
	Silver	1280	1250	102	90 - 110	P	07/09/2025	15:27	LB136407
	Sodium	27100	25000	108	90 - 110	P	07/09/2025	15:27	LB136407
	Thallium	5270	5000	106	90 - 110	P	07/09/2025	15:27	LB136407
	Vanadium	2600	2500	104	90 - 110	P	07/09/2025	15:27	LB136407
	Zinc	2620	2500	105	90 - 110	P	07/09/2025	15:27	LB136407
CCV06	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Antimony	5040	5000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Arsenic	4880	5000	98	90 - 110	P	07/09/2025	16:39	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	16:39	LB136407
	Beryllium	260	250	104	90 - 110	P	07/09/2025	16:39	LB136407
	Cadmium	2470	2500	99	90 - 110	P	07/09/2025	16:39	LB136407
	Calcium	25600	25000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	16:39	LB136407
	Cobalt	2430	2500	97	90 - 110	P	07/09/2025	16:39	LB136407
	Copper	1280	1250	103	90 - 110	P	07/09/2025	16:39	LB136407
	Iron	5080	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Lead	4940	5000	99	90 - 110	P	07/09/2025	16:39	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	16:39	LB136407
	Manganese	2580	2500	103	90 - 110	P	07/09/2025	16:39	LB136407
	Nickel	2430	2500	97	90 - 110	P	07/09/2025	16:39	LB136407
	Potassium	25300	25000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Selenium	5090	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	16:39	LB136407
	Sodium	25300	25000	101	90 - 110	P	07/09/2025	16:39	LB136407
	Thallium	5110	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Vanadium	2570	2500	103	90 - 110	P	07/09/2025	16:39	LB136407
	Zinc	2560	2500	102	90 - 110	P	07/09/2025	16:39	LB136407
CCV07	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Antimony	4980	5000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Arsenic	4770	5000	95	90 - 110	P	07/09/2025	17:50	LB136407
	Barium	10500	10000	105	90 - 110	P	07/09/2025	17:50	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	258	250	103	90 - 110	P	07/09/2025	17:50	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	17:50	LB136407
	Calcium	25500	25000	102	90 - 110	P	07/09/2025	17:50	LB136407
	Chromium	982	1000	98	90 - 110	P	07/09/2025	17:50	LB136407
	Cobalt	2380	2500	95	90 - 110	P	07/09/2025	17:50	LB136407
	Copper	1270	1250	102	90 - 110	P	07/09/2025	17:50	LB136407
	Iron	5070	5000	101	90 - 110	P	07/09/2025	17:50	LB136407
	Lead	4830	5000	97	90 - 110	P	07/09/2025	17:50	LB136407
	Magnesium	24700	25000	99	90 - 110	P	07/09/2025	17:50	LB136407
	Manganese	2570	2500	103	90 - 110	P	07/09/2025	17:50	LB136407
	Nickel	2390	2500	96	90 - 110	P	07/09/2025	17:50	LB136407
	Potassium	23900	25000	96	90 - 110	P	07/09/2025	17:50	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	17:50	LB136407
	Sodium	24000	25000	96	90 - 110	P	07/09/2025	17:50	LB136407
	Thallium	5040	5000	101	90 - 110	P	07/09/2025	17:50	LB136407
	Vanadium	2540	2500	102	90 - 110	P	07/09/2025	17:50	LB136407
	Zinc	2520	2500	101	90 - 110	P	07/09/2025	17:50	LB136407
CCV08	Aluminum	9890	10000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Antimony	4930	5000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Arsenic	4700	5000	94	90 - 110	P	07/09/2025	18:54	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	18:54	LB136407
	Beryllium	255	250	102	90 - 110	P	07/09/2025	18:54	LB136407
	Cadmium	2400	2500	96	90 - 110	P	07/09/2025	18:54	LB136407
	Calcium	25100	25000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Chromium	966	1000	97	90 - 110	P	07/09/2025	18:54	LB136407
	Cobalt	2340	2500	94	90 - 110	P	07/09/2025	18:54	LB136407
	Copper	1250	1250	100	90 - 110	P	07/09/2025	18:54	LB136407
	Iron	5020	5000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Lead	4780	5000	96	90 - 110	P	07/09/2025	18:54	LB136407
	Magnesium	24300	25000	97	90 - 110	P	07/09/2025	18:54	LB136407
	Manganese	2520	2500	101	90 - 110	P	07/09/2025	18:54	LB136407
	Nickel	2370	2500	95	90 - 110	P	07/09/2025	18:54	LB136407
	Potassium	23500	25000	94	90 - 110	P	07/09/2025	18:54	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4970	5000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Silver	1220	1250	98	90 - 110	P	07/09/2025	18:54	LB136407
	Sodium	23600	25000	94	90 - 110	P	07/09/2025	18:54	LB136407
	Thallium	5010	5000	100	90 - 110	P	07/09/2025	18:54	LB136407
	Vanadium	2510	2500	101	90 - 110	P	07/09/2025	18:54	LB136407
	Zinc	2490	2500	100	90 - 110	P	07/09/2025	18:54	LB136407
CCV09	Aluminum	9970	10000	100	90 - 110	P	07/09/2025	19:48	LB136407
	Antimony	5030	5000	101	90 - 110	P	07/09/2025	19:48	LB136407
	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	19:48	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	19:48	LB136407
	Beryllium	255	250	102	90 - 110	P	07/09/2025	19:48	LB136407
	Cadmium	2450	2500	98	90 - 110	P	07/09/2025	19:48	LB136407
	Calcium	25400	25000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Chromium	983	1000	98	90 - 110	P	07/09/2025	19:48	LB136407
	Cobalt	2390	2500	96	90 - 110	P	07/09/2025	19:48	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	19:48	LB136407
	Iron	5050	5000	101	90 - 110	P	07/09/2025	19:48	LB136407
	Lead	4870	5000	97	90 - 110	P	07/09/2025	19:48	LB136407
	Magnesium	24400	25000	98	90 - 110	P	07/09/2025	19:48	LB136407
	Manganese	2550	2500	102	90 - 110	P	07/09/2025	19:48	LB136407
	Nickel	2410	2500	97	90 - 110	P	07/09/2025	19:48	LB136407
	Potassium	23800	25000	95	90 - 110	P	07/09/2025	19:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	19:48	LB136407
	Sodium	23700	25000	95	90 - 110	P	07/09/2025	19:48	LB136407
	Thallium	5120	5000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Vanadium	2540	2500	102	90 - 110	P	07/09/2025	19:48	LB136407
	Zinc	2540	2500	101	90 - 110	P	07/09/2025	19:48	LB136407
CCV10	Aluminum	10100	10000	101	90 - 110	P	07/09/2025	20:41	LB136407
	Antimony	5140	5000	103	90 - 110	P	07/09/2025	20:41	LB136407
	Arsenic	4910	5000	98	90 - 110	P	07/09/2025	20:41	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	20:41	LB136407
	Beryllium	260	250	104	90 - 110	P	07/09/2025	20:41	LB136407
	Cadmium	2510	2500	100	90 - 110	P	07/09/2025	20:41	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	25900	25000	103	90 - 110	P	07/09/2025	20:41	LB136407
	Chromium	1010	1000	101	90 - 110	P	07/09/2025	20:41	LB136407
	Cobalt	2440	2500	98	90 - 110	P	07/09/2025	20:41	LB136407
	Copper	1280	1250	102	90 - 110	P	07/09/2025	20:41	LB136407
	Iron	5110	5000	102	90 - 110	P	07/09/2025	20:41	LB136407
	Lead	4990	5000	100	90 - 110	P	07/09/2025	20:41	LB136407
	Magnesium	24800	25000	99	90 - 110	P	07/09/2025	20:41	LB136407
	Manganese	2610	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
	Nickel	2470	2500	99	90 - 110	P	07/09/2025	20:41	LB136407
	Potassium	24600	25000	98	90 - 110	P	07/09/2025	20:41	LB136407
	Selenium	5200	5000	104	90 - 110	P	07/09/2025	20:41	LB136407
	Silver	1270	1250	102	90 - 110	P	07/09/2025	20:41	LB136407
	Sodium	24200	25000	97	90 - 110	P	07/09/2025	20:41	LB136407
	Thallium	5230	5000	105	90 - 110	P	07/09/2025	20:41	LB136407
	Vanadium	2590	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
	Zinc	2610	2500	104	90 - 110	P	07/09/2025	20:41	LB136407
CCV11	Aluminum	10000	10000	100	90 - 110	P	07/09/2025	21:12	LB136407
	Antimony	4990	5000	100	90 - 110	P	07/09/2025	21:12	LB136407
	Arsenic	4740	5000	95	90 - 110	P	07/09/2025	21:12	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	21:12	LB136407
	Beryllium	257	250	103	90 - 110	P	07/09/2025	21:12	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	21:12	LB136407
	Calcium	25300	25000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Chromium	975	1000	98	90 - 110	P	07/09/2025	21:12	LB136407
	Cobalt	2360	2500	95	90 - 110	P	07/09/2025	21:12	LB136407
	Copper	1260	1250	101	90 - 110	P	07/09/2025	21:12	LB136407
	Iron	5070	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Lead	4820	5000	96	90 - 110	P	07/09/2025	21:12	LB136407
	Magnesium	24400	25000	98	90 - 110	P	07/09/2025	21:12	LB136407
	Manganese	2560	2500	102	90 - 110	P	07/09/2025	21:12	LB136407
	Nickel	2390	2500	96	90 - 110	P	07/09/2025	21:12	LB136407
	Potassium	23900	25000	96	90 - 110	P	07/09/2025	21:12	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	21:12	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Sodium	23800	25000	95	90 - 110	P	07/09/2025	21:12	LB136407
	Thallium	5060	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Vanadium	2550	2500	102	90 - 110	P	07/09/2025	21:12	LB136407
	Zinc	2540	2500	102	90 - 110	P	07/09/2025	21:12	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7840	8000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Antimony	4070	4000	102	90 - 110	P	07/15/2025	13:39	LB136486
	Arsenic	3770	4000	94	90 - 110	P	07/15/2025	13:39	LB136486
	Barium	7830	8000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Beryllium	205	200	102	90 - 110	P	07/15/2025	13:39	LB136486
	Cadmium	1920	2000	96	90 - 110	P	07/15/2025	13:39	LB136486
	Calcium	19500	20000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Chromium	797	800	100	90 - 110	P	07/15/2025	13:39	LB136486
	Cobalt	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Copper	1040	1000	104	90 - 110	P	07/15/2025	13:39	LB136486
	Iron	4000	4000	100	90 - 110	P	07/15/2025	13:39	LB136486
	Lead	3810	4000	95	90 - 110	P	07/15/2025	13:39	LB136486
	Magnesium	19700	20000	99	90 - 110	P	07/15/2025	13:39	LB136486
	Manganese	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Nickel	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Potassium	18400	20000	92	90 - 110	P	07/15/2025	13:39	LB136486
	Selenium	3910	4000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Silver	1070	1000	107	90 - 110	P	07/15/2025	13:39	LB136486
	Sodium	19600	20000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Thallium	3800	4000	95	90 - 110	P	07/15/2025	13:39	LB136486
	Vanadium	1960	2000	98	90 - 110	P	07/15/2025	13:39	LB136486
	Zinc	1980	2000	99	90 - 110	P	07/15/2025	13:39	LB136486

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV1	Aluminum	113	100	113	80 - 120	P	07/15/2025	13:50	LB136486
	Antimony	54.5	50.0	109	80 - 120	P	07/15/2025	13:50	LB136486
	Arsenic	17.4	20.0	87	80 - 120	P	07/15/2025	13:50	LB136486
	Barium	101	100	101	80 - 120	P	07/15/2025	13:50	LB136486
	Beryllium	6.45	6.0	108	80 - 120	P	07/15/2025	13:50	LB136486
	Cadmium	5.65	6.0	94	80 - 120	P	07/15/2025	13:50	LB136486
	Calcium	2090	2000	105	80 - 120	P	07/15/2025	13:50	LB136486
	Chromium	9.89	10.0	99	80 - 120	P	07/15/2025	13:50	LB136486
	Cobalt	30.8	30.0	103	80 - 120	P	07/15/2025	13:50	LB136486
	Copper	22.8	20.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Iron	116	100	116	80 - 120	P	07/15/2025	13:50	LB136486
	Lead	12.7	12.0	106	80 - 120	P	07/15/2025	13:50	LB136486
	Magnesium	2300	2000	115	80 - 120	P	07/15/2025	13:50	LB136486
	Manganese	22.7	20.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Nickel	39.9	40.0	100	80 - 120	P	07/15/2025	13:50	LB136486
	Potassium	1830	2000	92	80 - 120	P	07/15/2025	13:50	LB136486
	Selenium	22.8	20.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Silver	11.4	10.0	114	80 - 120	P	07/15/2025	13:50	LB136486
	Sodium	1860	2000	93	80 - 120	P	07/15/2025	13:50	LB136486
	Thallium	42.1	40.0	105	80 - 120	P	07/15/2025	13:50	LB136486
	Vanadium	37.5	40.0	94	80 - 120	P	07/15/2025	13:50	LB136486
	Zinc	42.1	40.0	105	80 - 120	P	07/15/2025	13:50	LB136486

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Antimony	4960	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Arsenic	4900	5000	98	90 - 110	P	07/15/2025	14:34	LB136486
	Barium	9990	10000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Beryllium	254	250	101	90 - 110	P	07/15/2025	14:34	LB136486
	Cadmium	2470	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
	Calcium	25000	25000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Chromium	1010	1000	101	90 - 110	P	07/15/2025	14:34	LB136486
	Cobalt	2470	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
	Copper	1260	1250	101	90 - 110	P	07/15/2025	14:34	LB136486
	Iron	5120	5000	102	90 - 110	P	07/15/2025	14:34	LB136486
	Lead	4930	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Magnesium	24600	25000	98	90 - 110	P	07/15/2025	14:34	LB136486
	Manganese	2500	2500	100	90 - 110	P	07/15/2025	14:34	LB136486
	Nickel	2480	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
	Potassium	24900	25000	100	90 - 110	P	07/15/2025	14:34	LB136486
	Selenium	4960	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Silver	1250	1250	100	90 - 110	P	07/15/2025	14:34	LB136486
	Sodium	24800	25000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Thallium	4970	5000	99	90 - 110	P	07/15/2025	14:34	LB136486
	Vanadium	2500	2500	100	90 - 110	P	07/15/2025	14:34	LB136486
	Zinc	2480	2500	99	90 - 110	P	07/15/2025	14:34	LB136486
CCV02	Aluminum	10100	10000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Antimony	4990	5000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Arsenic	4890	5000	98	90 - 110	P	07/15/2025	15:11	LB136486
	Barium	10100	10000	101	90 - 110	P	07/15/2025	15:11	LB136486
	Beryllium	254	250	101	90 - 110	P	07/15/2025	15:11	LB136486
	Cadmium	2460	2500	98	90 - 110	P	07/15/2025	15:11	LB136486
	Calcium	25100	25000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Chromium	1010	1000	101	90 - 110	P	07/15/2025	15:11	LB136486
	Cobalt	2470	2500	99	90 - 110	P	07/15/2025	15:11	LB136486
	Copper	1260	1250	101	90 - 110	P	07/15/2025	15:11	LB136486
	Iron	5140	5000	103	90 - 110	P	07/15/2025	15:11	LB136486
	Lead	4910	5000	98	90 - 110	P	07/15/2025	15:11	LB136486

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24800	25000	99	90 - 110	P	07/15/2025	15:11	LB136486
	Manganese	2510	2500	100	90 - 110	P	07/15/2025	15:11	LB136486
	Nickel	2480	2500	99	90 - 110	P	07/15/2025	15:11	LB136486
	Potassium	23500	25000	94	90 - 110	P	07/15/2025	15:11	LB136486
	Selenium	4970	5000	99	90 - 110	P	07/15/2025	15:11	LB136486
	Silver	1260	1250	101	90 - 110	P	07/15/2025	15:11	LB136486
	Sodium	23900	25000	96	90 - 110	P	07/15/2025	15:11	LB136486
	Thallium	4980	5000	100	90 - 110	P	07/15/2025	15:11	LB136486
	Vanadium	2500	2500	100	90 - 110	P	07/15/2025	15:11	LB136486
	Zinc	2460	2500	99	90 - 110	P	07/15/2025	15:11	LB136486

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	95	70 - 130	CV	07/03/2025	11:24	LB136369
CRI01	Aluminum	109	100	109	65 - 135	P	07/07/2025	13:49	LB136390
	Antimony	52.7	50.0	106	65 - 135	P	07/07/2025	13:49	LB136390
	Arsenic	23.0	20.0	115	65 - 135	P	07/07/2025	13:49	LB136390
	Barium	97.5	100	98	65 - 135	P	07/07/2025	13:49	LB136390
	Beryllium	6.07	6.0	101	65 - 135	P	07/07/2025	13:49	LB136390
	Cadmium	7.08	6.0	118	65 - 135	P	07/07/2025	13:49	LB136390
	Calcium	2020	2000	101	65 - 135	P	07/07/2025	13:49	LB136390
	Chromium	11.8	10.0	118	65 - 135	P	07/07/2025	13:49	LB136390
	Cobalt	30.6	30.0	102	65 - 135	P	07/07/2025	13:49	LB136390
	Copper	22.1	20.0	111	65 - 135	P	07/07/2025	13:49	LB136390
	Iron	117	100	117	65 - 135	P	07/07/2025	13:49	LB136390
	Lead	13.7	12.0	114	65 - 135	P	07/07/2025	13:49	LB136390
	Magnesium	2100	2000	105	65 - 135	P	07/07/2025	13:49	LB136390
	Manganese	21.9	20.0	110	65 - 135	P	07/07/2025	13:49	LB136390
	Nickel	42.1	40.0	105	65 - 135	P	07/07/2025	13:49	LB136390
	Potassium	1880	2000	94	65 - 135	P	07/07/2025	13:49	LB136390
	Selenium	19.2	20.0	96	65 - 135	P	07/07/2025	13:49	LB136390
	Silver	10.6	10.0	106	65 - 135	P	07/07/2025	13:49	LB136390
	Sodium	2070	2000	104	65 - 135	P	07/07/2025	13:49	LB136390
	Thallium	42.1	40.0	105	65 - 135	P	07/07/2025	13:49	LB136390
	Vanadium	42.5	40.0	106	65 - 135	P	07/07/2025	13:49	LB136390
	Zinc	46.7	40.0	117	65 - 135	P	07/07/2025	13:49	LB136390
CRI01	Aluminum	114	100	114	65 - 135	P	07/09/2025	10:26	LB136407
	Antimony	53.6	50.0	107	65 - 135	P	07/09/2025	10:26	LB136407
	Arsenic	14.2	20.0	71	65 - 135	P	07/09/2025	10:26	LB136407
	Barium	104	100	104	65 - 135	P	07/09/2025	10:26	LB136407
	Beryllium	6.33	6.0	105	65 - 135	P	07/09/2025	10:26	LB136407
	Cadmium	5.51	6.0	92	65 - 135	P	07/09/2025	10:26	LB136407
	Calcium	1930	2000	96	65 - 135	P	07/09/2025	10:26	LB136407
	Chromium	10.7	10.0	107	65 - 135	P	07/09/2025	10:26	LB136407
	Cobalt	29.1	30.0	97	65 - 135	P	07/09/2025	10:26	LB136407
	Copper	24.1	20.0	120	65 - 135	P	07/09/2025	10:26	LB136407
	Iron	119	100	119	65 - 135	P	07/09/2025	10:26	LB136407
	Lead	11.5	12.0	96	65 - 135	P	07/09/2025	10:26	LB136407

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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Magnesium	2060	2000	103	65 - 135	P	07/09/2025	10:26	LB136407
	Manganese	22.6	20.0	113	65 - 135	P	07/09/2025	10:26	LB136407
	Nickel	38.2	40.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Potassium	1710	2000	86	65 - 135	P	07/09/2025	10:26	LB136407
	Selenium	22.8	20.0	114	65 - 135	P	07/09/2025	10:26	LB136407
	Silver	11.6	10.0	116	65 - 135	P	07/09/2025	10:26	LB136407
	Sodium	1830	2000	92	65 - 135	P	07/09/2025	10:26	LB136407
	Thallium	38.4	40.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Vanadium	32.0	40.0	80	65 - 135	P	07/09/2025	10:26	LB136407
	Zinc	43.1	40.0	108	65 - 135	P	07/09/2025	10:26	LB136407
CRI01	Aluminum	98.0	100	98	65 - 135	P	07/15/2025	14:05	LB136486
	Antimony	52.4	50.0	105	65 - 135	P	07/15/2025	14:05	LB136486
	Arsenic	16.4	20.0	82	65 - 135	P	07/15/2025	14:05	LB136486
	Barium	101	100	101	65 - 135	P	07/15/2025	14:05	LB136486
	Beryllium	6.27	6.0	104	65 - 135	P	07/15/2025	14:05	LB136486
	Cadmium	5.56	6.0	93	65 - 135	P	07/15/2025	14:05	LB136486
	Calcium	2020	2000	101	65 - 135	P	07/15/2025	14:05	LB136486
	Chromium	10.0	10.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Cobalt	29.9	30.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Copper	22.0	20.0	110	65 - 135	P	07/15/2025	14:05	LB136486
	Iron	113	100	113	65 - 135	P	07/15/2025	14:05	LB136486
	Lead	13.4	12.0	111	65 - 135	P	07/15/2025	14:05	LB136486
	Magnesium	2190	2000	110	65 - 135	P	07/15/2025	14:05	LB136486
	Manganese	22.2	20.0	111	65 - 135	P	07/15/2025	14:05	LB136486
	Nickel	39.2	40.0	98	65 - 135	P	07/15/2025	14:05	LB136486
	Potassium	1790	2000	90	65 - 135	P	07/15/2025	14:05	LB136486
	Selenium	22.3	20.0	111	65 - 135	P	07/15/2025	14:05	LB136486
	Silver	11.2	10.0	112	65 - 135	P	07/15/2025	14:05	LB136486
	Sodium	1810	2000	90	65 - 135	P	07/15/2025	14:05	LB136486
	Thallium	40.0	40.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Vanadium	40.1	40.0	100	65 - 135	P	07/15/2025	14:05	LB136486
	Zinc	40.0	40.0	100	65 - 135	P	07/15/2025	14:05	LB136486

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB16	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	11:17	LB136369

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB51	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	11:22	LB136369
CCB52	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	11:50	LB136369
CCB53	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	12:18	LB136369
CCB54	Mercury	0.076	+/-0.2	U	0.20	CV	07/03/2025	12:33	LB136369

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	29.5	+/-50	J	100	P	07/07/2025	13:45	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	13:45	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	13:45	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	13:45	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	13:45	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	13:45	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	13:45	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	13:45	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	13:45	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	13:45	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	13:45	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	13:45	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	13:45	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	13:45	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	13:45	LB136390

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/07/2025	14:42	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	14:42	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	14:42	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	14:42	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	14:42	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	14:42	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	14:42	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	14:42	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	14:42	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	14:42	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	14:42	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	14:42	LB136390
CCB02	Aluminum	11.3	+/-50	U	100	P	07/07/2025	15:34	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	15:34	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	15:34	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	15:34	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	15:34	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	15:34	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	15:34	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	15:34	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	15:34	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	15:34	LB136390

Alliance TECHNICAL GROUP
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/07/2025	15:34	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	15:34	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	15:34	LB136390
CCB03	Aluminum	11.3	+/-50	U	100	P	07/07/2025	16:37	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	16:37	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	16:37	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	16:37	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	16:37	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	16:37	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	16:37	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	16:37	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	16:37	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	16:37	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	16:37	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	16:37	LB136390
CCB04	Aluminum	11.3	+/-50	U	100	P	07/07/2025	17:35	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/07/2025	17:35	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	17:35	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/07/2025	17:35	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	17:35	LB136390
	Calcium	234	+/-1000	U	2000	P	07/07/2025	17:35	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	17:35	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/07/2025	17:35	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Iron	23.4	+/-50	U	100	P	07/07/2025	17:35	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	17:35	LB136390

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/07/2025	17:35	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
	Potassium	918	+/-1000	U	2000	P	07/07/2025	17:35	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	17:35	LB136390
	Sodium	868	+/-1000	U	2000	P	07/07/2025	17:35	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/07/2025	17:35	LB136390
CCB05	Aluminum	12.2	+/-50	J	100	P	07/08/2025	01:47	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/08/2025	01:47	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	01:47	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/08/2025	01:47	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	01:47	LB136390
	Calcium	234	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	01:47	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/08/2025	01:47	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Iron	23.4	+/-50	U	100	P	07/08/2025	01:47	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	01:47	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
	Potassium	918	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	01:47	LB136390
	Sodium	868	+/-1000	U	2000	P	07/08/2025	01:47	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/08/2025	01:47	LB136390
CCB06	Aluminum	11.3	+/-50	U	100	P	07/08/2025	02:53	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/08/2025	02:53	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	02:53	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/08/2025	02:53	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	02:53	LB136390
	Calcium	234	+/-1000	U	2000	P	07/08/2025	02:53	LB136390

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	02:53	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/08/2025	02:53	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Iron	23.4	+/-50	U	100	P	07/08/2025	02:53	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	02:53	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/08/2025	02:53	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
	Potassium	918	+/-1000	U	2000	P	07/08/2025	02:53	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	02:53	LB136390
	Sodium	868	+/-1000	U	2000	P	07/08/2025	02:53	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/08/2025	02:53	LB136390
CCB07	Aluminum	11.3	+/-50	U	100	P	07/08/2025	03:44	LB136390
	Antimony	6.76	+/-25	U	50.0	P	07/08/2025	03:44	LB136390
	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	03:44	LB136390
	Beryllium	0.56	+/-3	U	6.00	P	07/08/2025	03:44	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	03:44	LB136390
	Calcium	234	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	03:44	LB136390
	Cobalt	2.26	+/-15	U	30.0	P	07/08/2025	03:44	LB136390
	Copper	4.60	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Iron	23.4	+/-50	U	100	P	07/08/2025	03:44	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	03:44	LB136390
	Magnesium	244	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Manganese	5.94	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Nickel	3.06	+/-20	U	40.0	P	07/08/2025	03:44	LB136390
	Potassium	918	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	03:44	LB136390
	Sodium	868	+/-1000	U	2000	P	07/08/2025	03:44	LB136390
	Thallium	4.38	+/-20	U	40.0	P	07/08/2025	03:44	LB136390
	Vanadium	6.26	+/-20	U	40.0	P	07/08/2025	03:44	LB136390
	Zinc	16.7	+/-20	U	40.0	P	07/08/2025	03:44	LB136390

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	31.1	+/-50	J	100	P	07/09/2025	10:22	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	10:22	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:22	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	10:22	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:22	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:22	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	10:22	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Iron	25.4	+/-50	J	100	P	07/09/2025	10:22	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:22	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Manganese	7.46	+/-10	J	20.0	P	07/09/2025	10:22	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:22	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	10:22	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	10:22	LB136407
	Zinc	4.21	+/-20	J	40.0	P	07/09/2025	10:22	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	10:57	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	10:57	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:57	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	10:57	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:57	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	10:57	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	10:57	LB136407
CCB02	Aluminum	27.5	+/-50	J	100	P	07/09/2025	11:56	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	11:56	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	11:56	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	11:56	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	11:56	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	11:56	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	11:56	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	11:56	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	11:56	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	11:56	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/09/2025	11:56	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	11:56	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	11:56	LB136407
CCB03	Aluminum	65.9	+/-50	J*	100	P	07/09/2025	12:58	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	12:58	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	12:58	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	12:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	12:58	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	12:58	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	12:58	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	12:58	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	12:58	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	12:58	LB136407
CCB04	Aluminum	47.3	+/-50	J	100	P	07/09/2025	14:28	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	14:28	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	14:28	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	14:28	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	14:28	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	14:28	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	14:28	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	14:28	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	14:28	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Silver	7.86	+/-5	J*	10.0	P	07/09/2025	14:28	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	14:28	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	14:28	LB136407
CCB05	Aluminum	26.6	+/-50	J	100	P	07/09/2025	15:33	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	15:33	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	15:33	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	15:33	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	15:33	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	15:33	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	15:33	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	15:33	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	15:33	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Silver	6.92	+/-5	J*	10.0	P	07/09/2025	15:33	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	15:33	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	15:33	LB136407
CCB06	Aluminum	18.8	+/-50	J	100	P	07/09/2025	16:43	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	16:43	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	16:43	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	16:43	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	16:43	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	16:43	LB136407

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	16:43	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	16:43	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	16:43	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	16:43	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Silver	3.51	+/-5	J	10.0	P	07/09/2025	16:43	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	16:43	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	16:43	LB136407
CCB07	Aluminum	11.3	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	17:54	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	17:54	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	17:54	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	17:54	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	17:54	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	17:54	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Silver	2.23	+/-5	J	10.0	P	07/09/2025	17:54	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	17:54	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	17:54	LB136407
CCB08	Aluminum	44.5	+/-50	J	100	P	07/09/2025	18:58	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	18:58	LB136407

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	18:58	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	18:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	18:58	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	18:58	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	18:58	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	18:58	LB136407
	Lead	3.36	+/-6	J	12.0	P	07/09/2025	18:58	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Silver	2.96	+/-5	J	10.0	P	07/09/2025	18:58	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	18:58	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	18:58	LB136407
CCB09	Aluminum	11.3	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	19:52	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	19:52	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	19:52	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	19:52	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	19:52	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Lead	2.75	+/-6	J	12.0	P	07/09/2025	19:52	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	19:52	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Silver	2.59	+/-5	J	10.0	P	07/09/2025	19:52	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	19:52	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	19:52	LB136407
CCB10	Aluminum	11.3	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	20:45	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	20:45	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	20:45	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	20:45	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	20:45	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	20:45	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Silver	1.92	+/-5	J	10.0	P	07/09/2025	20:45	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	20:45	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	20:45	LB136407
CCB11	Aluminum	23.1	+/-50	J	100	P	07/09/2025	21:16	LB136407
	Antimony	6.76	+/-25	U	50.0	P	07/09/2025	21:16	LB136407
	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	21:16	LB136407
	Beryllium	0.56	+/-3	U	6.00	P	07/09/2025	21:16	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	21:16	LB136407
	Calcium	234	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	21:16	LB136407
	Cobalt	2.26	+/-15	U	30.0	P	07/09/2025	21:16	LB136407
	Copper	4.60	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Iron	23.4	+/-50	U	100	P	07/09/2025	21:16	LB136407
	Lead	4.79	+/-6	J	12.0	P	07/09/2025	21:16	LB136407
	Magnesium	244	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Manganese	5.94	+/-10	U	20.0	P	07/09/2025	21:16	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	3.06	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Potassium	918	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	21:16	LB136407
	Sodium	868	+/-1000	U	2000	P	07/09/2025	21:16	LB136407
	Thallium	4.38	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Vanadium	6.26	+/-20	U	40.0	P	07/09/2025	21:16	LB136407
	Zinc	3.50	+/-20	U	40.0	P	07/09/2025	21:16	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	35.6	+/-50	J	100	P	07/15/2025	14:01	LB136486
	Antimony	6.76	+/-25	U	50.0	P	07/15/2025	14:01	LB136486
	Arsenic	5.12	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Barium	14.6	+/-50	U	100	P	07/15/2025	14:01	LB136486
	Beryllium	0.56	+/-3	U	6.00	P	07/15/2025	14:01	LB136486
	Cadmium	0.50	+/-3	U	6.00	P	07/15/2025	14:01	LB136486
	Calcium	234	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Chromium	2.12	+/-5	U	10.0	P	07/15/2025	14:01	LB136486
	Cobalt	2.26	+/-15	U	30.0	P	07/15/2025	14:01	LB136486
	Copper	4.60	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Iron	23.4	+/-50	U	100	P	07/15/2025	14:01	LB136486
	Lead	2.30	+/-6	U	12.0	P	07/15/2025	14:01	LB136486
	Magnesium	244	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Manganese	5.94	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Nickel	3.06	+/-20	U	40.0	P	07/15/2025	14:01	LB136486
	Potassium	918	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Selenium	9.64	+/-10	U	20.0	P	07/15/2025	14:01	LB136486
	Silver	1.62	+/-5	U	10.0	P	07/15/2025	14:01	LB136486
	Sodium	868	+/-1000	U	2000	P	07/15/2025	14:01	LB136486
	Thallium	4.38	+/-20	U	40.0	P	07/15/2025	14:01	LB136486
	Vanadium	6.26	+/-20	U	40.0	P	07/15/2025	14:01	LB136486
	Zinc	3.50	+/-20	U	40.0	P	07/15/2025	14:01	LB136486

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	07/15/2025	14:39	LB136486
	Antimony	6.76	+/-25	U	50.0	P	07/15/2025	14:39	LB136486
	Arsenic	5.12	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Barium	14.6	+/-50	U	100	P	07/15/2025	14:39	LB136486
	Beryllium	0.56	+/-3	U	6.00	P	07/15/2025	14:39	LB136486
	Cadmium	0.50	+/-3	U	6.00	P	07/15/2025	14:39	LB136486
	Calcium	234	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Chromium	2.12	+/-5	U	10.0	P	07/15/2025	14:39	LB136486
	Cobalt	2.26	+/-15	U	30.0	P	07/15/2025	14:39	LB136486
	Copper	4.60	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Iron	23.4	+/-50	U	100	P	07/15/2025	14:39	LB136486
	Lead	2.30	+/-6	U	12.0	P	07/15/2025	14:39	LB136486
	Magnesium	244	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Manganese	5.94	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Nickel	3.06	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
	Potassium	918	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Selenium	9.64	+/-10	U	20.0	P	07/15/2025	14:39	LB136486
	Silver	1.62	+/-5	U	10.0	P	07/15/2025	14:39	LB136486
	Sodium	868	+/-1000	U	2000	P	07/15/2025	14:39	LB136486
	Thallium	4.38	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
	Vanadium	6.26	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
	Zinc	3.50	+/-20	U	40.0	P	07/15/2025	14:39	LB136486
CCB02	Aluminum	11.3	+/-50	U	100	P	07/15/2025	15:15	LB136486
	Antimony	6.76	+/-25	U	50.0	P	07/15/2025	15:15	LB136486
	Arsenic	5.12	+/-10	U	20.0	P	07/15/2025	15:15	LB136486
	Barium	14.6	+/-50	U	100	P	07/15/2025	15:15	LB136486
	Beryllium	0.56	+/-3	U	6.00	P	07/15/2025	15:15	LB136486
	Cadmium	0.50	+/-3	U	6.00	P	07/15/2025	15:15	LB136486
	Calcium	234	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Chromium	2.12	+/-5	U	10.0	P	07/15/2025	15:15	LB136486
	Cobalt	2.26	+/-15	U	30.0	P	07/15/2025	15:15	LB136486
	Copper	4.60	+/-10	U	20.0	P	07/15/2025	15:15	LB136486
	Iron	23.4	+/-50	U	100	P	07/15/2025	15:15	LB136486
	Lead	2.30	+/-6	U	12.0	P	07/15/2025	15:15	LB136486
	Magnesium	244	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Manganese	5.94	+/-10	U	20.0	P	07/15/2025	15:15	LB136486
	Nickel	3.06	+/-20	U	40.0	P	07/15/2025	15:15	LB136486
	Potassium	918	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Selenium	9.64	+/-10	U	20.0	P	07/15/2025	15:15	LB136486

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	07/15/2025	15:15	LB136486
	Sodium	868	+/-1000	U	2000	P	07/15/2025	15:15	LB136486
	Thallium	4.38	+/-20	U	40.0	P	07/15/2025	15:15	LB136486
	Vanadium	6.26	+/-20	U	40.0	P	07/15/2025	15:15	LB136486
	Zinc	3.50	+/-20	U	40.0	P	07/15/2025	15:15	LB136486

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Metals
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PREPARATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168719BL		**SOLID**		**Batch Number:**	**PB168719**		**Prep Date:**	**07/02/2025**	
	Mercury	0.0080	<0.013	U	0.013	CV	07/03/2025	12:20	LB136369

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Metals
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PREPARATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168713BL		**SOLID**		**Batch Number:**	**PB168713**		**Prep Date:**	**07/03/2025**	
	Aluminum	0.84	<2.5	U	5.00	P	07/07/2025	16:45	LB136390
	Antimony	0.22	<1.25	U	2.50	P	07/07/2025	16:45	LB136390
	Arsenic	0.19	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Barium	0.73	<2.5	U	5.00	P	07/07/2025	16:45	LB136390
	Beryllium	0.025	<0.15	U	0.30	P	07/07/2025	16:45	LB136390
	Cadmium	0.024	<0.15	U	0.30	P	07/07/2025	16:45	LB136390
	Calcium	11.1	<50	U	100	P	07/07/2025	16:45	LB136390
	Chromium	0.047	<0.25	U	0.50	P	07/07/2025	16:45	LB136390
	Cobalt	0.10	<0.75	U	1.50	P	07/07/2025	16:45	LB136390
	Copper	0.22	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Iron	3.99	<2.5	U	5.00	P	07/07/2025	16:45	LB136390
	Lead	0.13	<0.3	U	0.60	P	07/07/2025	16:45	LB136390
	Magnesium	12.0	<50	U	100	P	07/07/2025	16:45	LB136390
	Manganese	0.14	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Nickel	0.13	<1	U	2.00	P	07/07/2025	16:45	LB136390
	Potassium	27.7	<50	U	100	P	07/07/2025	16:45	LB136390
	Selenium	0.26	<0.5	U	1.00	P	07/07/2025	16:45	LB136390
	Silver	0.12	<0.25	U	0.50	P	07/07/2025	16:45	LB136390
	Sodium	17.8	<50	U	100	P	07/07/2025	16:45	LB136390
	Thallium	0.23	<1	U	2.00	P	07/07/2025	16:45	LB136390
	Vanadium	0.25	<1	U	2.00	P	07/07/2025	16:45	LB136390
	Zinc	0.23	<1	U	2.00	P	07/07/2025	16:45	LB136390

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	241000	255000	94	216000	294000	07/07/2025	13:53	LB136390
	Antimony	5.00			-50	50	07/07/2025	13:53	LB136390
	Arsenic	-4.19			-20	20	07/07/2025	13:53	LB136390
	Barium	-3.69	6.0	62	-94	106	07/07/2025	13:53	LB136390
	Beryllium	0.58			-6	6	07/07/2025	13:53	LB136390
	Cadmium	-0.042	1.0	4	-5	7	07/07/2025	13:53	LB136390
	Calcium	231000	245000	94	208000	282000	07/07/2025	13:53	LB136390
	Chromium	53.6	52.0	103	42	62	07/07/2025	13:53	LB136390
	Cobalt	0.58			-30	30	07/07/2025	13:53	LB136390
	Copper	10.9	2.0	544	-18	22	07/07/2025	13:53	LB136390
	Iron	101000	101000	100	85600	116500	07/07/2025	13:53	LB136390
	Lead	-5.45			-12	12	07/07/2025	13:53	LB136390
	Magnesium	244000	255000	96	216000	294000	07/07/2025	13:53	LB136390
	Manganese	6.77	7.0	97	-13	27	07/07/2025	13:53	LB136390
	Nickel	15.9	2.0	795	-38	42	07/07/2025	13:53	LB136390
	Potassium	133			0	0	07/07/2025	13:53	LB136390
	Selenium	8.20			-20	20	07/07/2025	13:53	LB136390
	Silver	-6.96			-10	10	07/07/2025	13:53	LB136390
	Sodium	101			0	0	07/07/2025	13:53	LB136390
	Thallium	-0.81			-40	40	07/07/2025	13:53	LB136390
	Vanadium	4.26			-40	40	07/07/2025	13:53	LB136390
	Zinc	3.42			-40	40	07/07/2025	13:53	LB136390
ICSAB01	Aluminum	238000	247000	96	209000	285000	07/07/2025	14:10	LB136390
	Antimony	622	618	101	525	711	07/07/2025	14:10	LB136390
	Arsenic	99.1	104	95	88.4	120	07/07/2025	14:10	LB136390
	Barium	455	537	85	437	637	07/07/2025	14:10	LB136390
	Beryllium	472	495	95	420	570	07/07/2025	14:10	LB136390
	Cadmium	992	972	102	826	1120	07/07/2025	14:10	LB136390
	Calcium	227000	235000	97	199000	271000	07/07/2025	14:10	LB136390
	Chromium	558	542	103	460	624	07/07/2025	14:10	LB136390
	Cobalt	501	476	105	404	548	07/07/2025	14:10	LB136390
	Copper	495	511	97	434	588	07/07/2025	14:10	LB136390
	Iron	103000	99300	104	84400	114500	07/07/2025	14:10	LB136390
	Lead	41.5	49.0	85	37	61	07/07/2025	14:10	LB136390
	Magnesium	238000	248000	96	210000	286000	07/07/2025	14:10	LB136390
	Manganese	473	507	93	430	584	07/07/2025	14:10	LB136390
	Nickel	1010	954	106	810	1100	07/07/2025	14:10	LB136390
	Potassium	-260			0	0	07/07/2025	14:10	LB136390
	Selenium	53.0	46.0	115	26	66	07/07/2025	14:10	LB136390
	Silver	208	201	104	170	232	07/07/2025	14:10	LB136390
	Sodium	16.7			0	0	07/07/2025	14:10	LB136390
	Thallium	78.7	108	73	68	148	07/07/2025	14:10	LB136390

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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	459	491	94	417	565	07/07/2025	14:10	LB136390
	Zinc	1050	952	110	809	1095	07/07/2025	14:10	LB136390
ICSA	Aluminum	240000	255000	94	216000	294000	07/07/2025	14:15	LB136390
	Antimony	9.95			-50	50	07/07/2025	14:15	LB136390
	Arsenic	-16.2			-20	20	07/07/2025	14:15	LB136390
	Barium	-48.6	6.0	810	-94	106	07/07/2025	14:15	LB136390
	Beryllium	-0.36			-6	6	07/07/2025	14:15	LB136390
	Cadmium	-2.96	1.0	296	-5	7	07/07/2025	14:15	LB136390
	Calcium	236000	245000	96	208000	282000	07/07/2025	14:15	LB136390
	Chromium	153	52.0	294	42	62	07/07/2025	14:15	LB136390
	Cobalt	1.25			-30	30	07/07/2025	14:15	LB136390
	Copper	24.1	2.0	1205	-18	22	07/07/2025	14:15	LB136390
	Iron	99500	101000	98	85600	116500	07/07/2025	14:15	LB136390
	Lead	0.64			-12	12	07/07/2025	14:15	LB136390
	Magnesium	244000	255000	96	216000	294000	07/07/2025	14:15	LB136390
	Manganese	11.2	7.0	160	-13	27	07/07/2025	14:15	LB136390
	Nickel	70.7	2.0	3535	-38	42	07/07/2025	14:15	LB136390
	Potassium	-7370			0	0	07/07/2025	14:15	LB136390
	Selenium	-53.4			-20	20	07/07/2025	14:15	LB136390
	Silver	-8.88			-10	10	07/07/2025	14:15	LB136390
	Sodium	-118			0	0	07/07/2025	14:15	LB136390
	Thallium	-40.5			-40	40	07/07/2025	14:15	LB136390
	Vanadium	8.77			-40	40	07/07/2025	14:15	LB136390
	Zinc	12.7			-40	40	07/07/2025	14:15	LB136390
ICSAB	Aluminum	244000	247000	99	209000	285000	07/07/2025	14:19	LB136390
	Antimony	588	618	95	525	711	07/07/2025	14:19	LB136390
	Arsenic	94.5	104	91	88.4	120	07/07/2025	14:19	LB136390
	Barium	474	537	88	437	637	07/07/2025	14:19	LB136390
	Beryllium	493	495	100	420	570	07/07/2025	14:19	LB136390
	Cadmium	970	972	100	826	1120	07/07/2025	14:19	LB136390
	Calcium	242000	235000	103	199000	271000	07/07/2025	14:19	LB136390
	Chromium	587	542	108	460	624	07/07/2025	14:19	LB136390
	Cobalt	489	476	103	404	548	07/07/2025	14:19	LB136390
	Copper	515	511	101	434	588	07/07/2025	14:19	LB136390
	Iron	102000	99300	103	84400	114500	07/07/2025	14:19	LB136390
	Lead	47.0	49.0	96	37	61	07/07/2025	14:19	LB136390
	Magnesium	250000	248000	101	210000	286000	07/07/2025	14:19	LB136390
	Manganese	490	507	97	430	584	07/07/2025	14:19	LB136390
	Nickel	1000	954	105	810	1100	07/07/2025	14:19	LB136390
	Potassium	-8010			0	0	07/07/2025	14:19	LB136390
	Selenium	19.1	46.0	42	26	66	07/07/2025	14:19	LB136390
	Silver	227	201	113	170	232	07/07/2025	14:19	LB136390

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Sodium	-111			0	0	07/07/2025	14:19	LB136390
	Thallium	48.2	108	45	68	148	07/07/2025	14:19	LB136390
	Vanadium	527	491	107	417	565	07/07/2025	14:19	LB136390
	Zinc	1030	952	108	809	1095	07/07/2025	14:19	LB136390
ICSA01	Aluminum	245000	250000	98	216000	294000	07/09/2025	10:31	LB136407
	Antimony	23.3			-50	50	07/09/2025	10:31	LB136407
	Arsenic	5.46			-20	20	07/09/2025	10:31	LB136407
	Barium	8.02	6.0	134	-94	106	07/09/2025	10:31	LB136407
	Beryllium	1.50			-6	6	07/09/2025	10:31	LB136407
	Cadmium	-0.43	1.0	43	-5	7	07/09/2025	10:31	LB136407
	Calcium	242000	240000	101	208000	282000	07/09/2025	10:31	LB136407
	Chromium	52.2	52.0	100	42	62	07/09/2025	10:31	LB136407
	Cobalt	27.0			-30	30	07/09/2025	10:31	LB136407
	Copper	-4.74	2.0	237	-18	22	07/09/2025	10:31	LB136407
	Iron	96800	100000	97	85600	116500	07/09/2025	10:31	LB136407
	Lead	-5.64			-12	12	07/09/2025	10:31	LB136407
	Magnesium	242000	260000	93	216000	294000	07/09/2025	10:31	LB136407
	Manganese	3.37	7.0	48	-13	27	07/09/2025	10:31	LB136407
	Nickel	13.5	2.0	675	-38	42	07/09/2025	10:31	LB136407
	Potassium	10.6			0	0	07/09/2025	10:31	LB136407
	Selenium	-11.2			-20	20	07/09/2025	10:31	LB136407
	Silver	-2.41			-10	10	07/09/2025	10:31	LB136407
	Sodium	119			0	0	07/09/2025	10:31	LB136407
	Thallium	16.7			-40	40	07/09/2025	10:31	LB136407
	Vanadium	1.75			-40	40	07/09/2025	10:31	LB136407
	Zinc	10.9			-40	40	07/09/2025	10:31	LB136407
ICSAB01	Aluminum	245000	250000	98	209000	285000	07/09/2025	10:35	LB136407
	Antimony	621	620	100	525	711	07/09/2025	10:35	LB136407
	Arsenic	98.6	100	99	88.4	120	07/09/2025	10:35	LB136407
	Barium	529	540	98	437	637	07/09/2025	10:35	LB136407
	Beryllium	514	500	103	420	570	07/09/2025	10:35	LB136407
	Cadmium	984	970	101	826	1120	07/09/2025	10:35	LB136407
	Calcium	241000	230000	105	199000	271000	07/09/2025	10:35	LB136407
	Chromium	555	540	103	460	624	07/09/2025	10:35	LB136407
	Cobalt	506	480	105	404	548	07/09/2025	10:35	LB136407
	Copper	479	510	94	434	588	07/09/2025	10:35	LB136407
	Iron	98200	99000	99	84400	114500	07/09/2025	10:35	LB136407
	Lead	38.6	49.0	79	37	61	07/09/2025	10:35	LB136407
	Magnesium	243000	250000	97	210000	286000	07/09/2025	10:35	LB136407
	Manganese	498	510	98	430	584	07/09/2025	10:35	LB136407
	Nickel	966	950	102	810	1100	07/09/2025	10:35	LB136407
	Potassium	9.40			0	0	07/09/2025	10:35	LB136407

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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Selenium	40.2	46.0	87	26	66	07/09/2025	10:35	LB136407
	Silver	209	200	104	170	232	07/09/2025	10:35	LB136407
	Sodium	100			0	0	07/09/2025	10:35	LB136407
	Thallium	101	110	92	68	148	07/09/2025	10:35	LB136407
	Vanadium	489	490	100	417	565	07/09/2025	10:35	LB136407
	Zinc	1030	950	108	809	1095	07/09/2025	10:35	LB136407
ICSA	Aluminum	256000	250000	102	216000	294000	07/09/2025	10:39	LB136407
	Antimony	56.4			-50	50	07/09/2025	10:39	LB136407
	Arsenic	-38.5			-20	20	07/09/2025	10:39	LB136407
	Barium	3.35	6.0	56	-94	106	07/09/2025	10:39	LB136407
	Beryllium	3.59			-6	6	07/09/2025	10:39	LB136407
	Cadmium	-4.72	1.0	472	-5	7	07/09/2025	10:39	LB136407
	Calcium	253000	240000	105	208000	282000	07/09/2025	10:39	LB136407
	Chromium	30.5	52.0	59	42	62	07/09/2025	10:39	LB136407
	Cobalt	120			-30	30	07/09/2025	10:39	LB136407
	Copper	39.8	2.0	1990	-18	22	07/09/2025	10:39	LB136407
	Iron	108000	100000	108	85600	116500	07/09/2025	10:39	LB136407
	Lead	24.1			-12	12	07/09/2025	10:39	LB136407
	Magnesium	259000	260000	100	216000	294000	07/09/2025	10:39	LB136407
	Manganese	25.6	7.0	366	-13	27	07/09/2025	10:39	LB136407
	Nickel	-4.00	2.0	200	-38	42	07/09/2025	10:39	LB136407
	Potassium	59.1			0	0	07/09/2025	10:39	LB136407
	Selenium	91.3			-20	20	07/09/2025	10:39	LB136407
	Silver	-6.28			-10	10	07/09/2025	10:39	LB136407
	Sodium	-123			0	0	07/09/2025	10:39	LB136407
	Thallium	-21.0			-40	40	07/09/2025	10:39	LB136407
	Vanadium	-159			-40	40	07/09/2025	10:39	LB136407
	Zinc	21.5			-40	40	07/09/2025	10:39	LB136407
ICSAB	Aluminum	239000	250000	96	209000	285000	07/09/2025	10:44	LB136407
	Antimony	588	620	95	525	711	07/09/2025	10:44	LB136407
	Arsenic	95.9	100	96	88.4	120	07/09/2025	10:44	LB136407
	Barium	555	540	103	437	637	07/09/2025	10:44	LB136407
	Beryllium	497	500	99	420	570	07/09/2025	10:44	LB136407
	Cadmium	885	970	91	826	1120	07/09/2025	10:44	LB136407
	Calcium	236000	230000	103	199000	271000	07/09/2025	10:44	LB136407
	Chromium	527	540	98	460	624	07/09/2025	10:44	LB136407
	Cobalt	563	480	117	404	548	07/09/2025	10:44	LB136407
	Copper	517	510	101	434	588	07/09/2025	10:44	LB136407
	Iron	101000	99000	102	84400	114500	07/09/2025	10:44	LB136407
	Lead	15.6	49.0	32	37	61	07/09/2025	10:44	LB136407
	Magnesium	245000	250000	98	210000	286000	07/09/2025	10:44	LB136407
	Manganese	558	510	109	430	584	07/09/2025	10:44	LB136407

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Nickel	883	950	93	810	1100	07/09/2025	10:44	LB136407
	Potassium	-58.8			0	0	07/09/2025	10:44	LB136407
	Selenium	-15.1	46.0	33	26	66	07/09/2025	10:44	LB136407
	Silver	181	200	90	170	232	07/09/2025	10:44	LB136407
	Sodium	-8.12			0	0	07/09/2025	10:44	LB136407
	Thallium	109	110	99	68	148	07/09/2025	10:44	LB136407
	Vanadium	305	490	62	417	565	07/09/2025	10:44	LB136407
	Zinc	991	950	104	809	1095	07/09/2025	10:44	LB136407
ICSA01	Aluminum	247000	250000	99	216000	294000	07/15/2025	14:10	LB136486
	Antimony	21.6			-50	50	07/15/2025	14:10	LB136486
	Arsenic	-2.03			-20	20	07/15/2025	14:10	LB136486
	Barium	6.35	6.0	106	-94	106	07/15/2025	14:10	LB136486
	Beryllium	1.09			-6	6	07/15/2025	14:10	LB136486
	Cadmium	-1.17	1.0	117	-5	7	07/15/2025	14:10	LB136486
	Calcium	236000	240000	98	208000	282000	07/15/2025	14:10	LB136486
	Chromium	52.5	52.0	101	42	62	07/15/2025	14:10	LB136486
	Cobalt	3.22			-30	30	07/15/2025	14:10	LB136486
	Copper	-6.71	2.0	336	-18	22	07/15/2025	14:10	LB136486
	Iron	97400	100000	97	85600	116500	07/15/2025	14:10	LB136486
	Lead	-0.60			-12	12	07/15/2025	14:10	LB136486
	Magnesium	242000	260000	93	216000	294000	07/15/2025	14:10	LB136486
	Manganese	6.23	7.0	89	-13	27	07/15/2025	14:10	LB136486
	Nickel	3.30	2.0	165	-38	42	07/15/2025	14:10	LB136486
	Potassium	5.78			0	0	07/15/2025	14:10	LB136486
	Selenium	-7.22			-20	20	07/15/2025	14:10	LB136486
	Silver	-0.55			-10	10	07/15/2025	14:10	LB136486
	Sodium	113			0	0	07/15/2025	14:10	LB136486
	Thallium	22.2			-40	40	07/15/2025	14:10	LB136486
	Vanadium	3.62			-40	40	07/15/2025	14:10	LB136486
	Zinc	10.5			-40	40	07/15/2025	14:10	LB136486
ICSAB01	Aluminum	245000	250000	98	209000	285000	07/15/2025	14:21	LB136486
	Antimony	611	620	98	525	711	07/15/2025	14:21	LB136486
	Arsenic	92.3	100	92	88.4	120	07/15/2025	14:21	LB136486
	Barium	490	540	91	437	637	07/15/2025	14:21	LB136486
	Beryllium	488	500	98	420	570	07/15/2025	14:21	LB136486
	Cadmium	959	970	99	826	1120	07/15/2025	14:21	LB136486
	Calcium	234000	230000	102	199000	271000	07/15/2025	14:21	LB136486
	Chromium	529	540	98	460	624	07/15/2025	14:21	LB136486
	Cobalt	478	480	100	404	548	07/15/2025	14:21	LB136486
	Copper	462	510	91	434	588	07/15/2025	14:21	LB136486
	Iron	95400	99000	96	84400	114500	07/15/2025	14:21	LB136486
	Lead	48.6	49.0	99	37	61	07/15/2025	14:21	LB136486

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Magnesium	240000	250000	96	210000	286000	07/15/2025	14:21	LB136486
	Manganese	477	510	94	430	584	07/15/2025	14:21	LB136486
	Nickel	952	950	100	810	1100	07/15/2025	14:21	LB136486
	Potassium	-2.22			0	0	07/15/2025	14:21	LB136486
	Selenium	38.5	46.0	84	26	66	07/15/2025	14:21	LB136486
	Silver	208	200	104	170	232	07/15/2025	14:21	LB136486
	Sodium	99.8			0	0	07/15/2025	14:21	LB136486
	Thallium	101	110	92	68	148	07/15/2025	14:21	LB136486
	Vanadium	467	490	95	417	565	07/15/2025	14:21	LB136486
	Zinc	977	950	103	809	1095	07/15/2025	14:21	LB136486
ICSA	Aluminum	246000	250000	98	216000	294000	07/15/2025	14:26	LB136486
	Antimony	38.5			-50	50	07/15/2025	14:26	LB136486
	Arsenic	-116			-20	20	07/15/2025	14:26	LB136486
	Barium	2.83	6.0	47	-94	106	07/15/2025	14:26	LB136486
	Beryllium	-0.20			-6	6	07/15/2025	14:26	LB136486
	Cadmium	-2.62	1.0	262	-5	7	07/15/2025	14:26	LB136486
	Calcium	238000	240000	99	208000	282000	07/15/2025	14:26	LB136486
	Chromium	46.1	52.0	89	42	62	07/15/2025	14:26	LB136486
	Cobalt	113			-30	30	07/15/2025	14:26	LB136486
	Copper	2.79	2.0	140	-18	22	07/15/2025	14:26	LB136486
	Iron	107000	100000	107	85600	116500	07/15/2025	14:26	LB136486
	Lead	20.6			-12	12	07/15/2025	14:26	LB136486
	Magnesium	247000	260000	95	216000	294000	07/15/2025	14:26	LB136486
	Manganese	59.8	7.0	854	-13	27	07/15/2025	14:26	LB136486
	Nickel	-0.74	2.0	37	-38	42	07/15/2025	14:26	LB136486
	Potassium	-695			0	0	07/15/2025	14:26	LB136486
	Selenium	21.5			-20	20	07/15/2025	14:26	LB136486
	Silver	-13.2			-10	10	07/15/2025	14:26	LB136486
	Sodium	-321			0	0	07/15/2025	14:26	LB136486
	Thallium	98.2			-40	40	07/15/2025	14:26	LB136486
	Vanadium	92.6			-40	40	07/15/2025	14:26	LB136486
	Zinc	8.05			-40	40	07/15/2025	14:26	LB136486
ICSAB	Aluminum	258000	250000	103	209000	285000	07/15/2025	14:30	LB136486
	Antimony	670	620	108	525	711	07/15/2025	14:30	LB136486
	Arsenic	-16.0	100	16	88.4	120	07/15/2025	14:30	LB136486
	Barium	558	540	103	437	637	07/15/2025	14:30	LB136486
	Beryllium	554	500	111	420	570	07/15/2025	14:30	LB136486
	Cadmium	989	970	102	826	1120	07/15/2025	14:30	LB136486
	Calcium	249000	230000	108	199000	271000	07/15/2025	14:30	LB136486
	Chromium	617	540	114	460	624	07/15/2025	14:30	LB136486
	Cobalt	627	480	131	404	548	07/15/2025	14:30	LB136486
	Copper	581	510	114	434	588	07/15/2025	14:30	LB136486

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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB	Iron	112000	99000	113	84400	114500	07/15/2025	14:30	LB136486
	Lead	72.1	49.0	147	37	61	07/15/2025	14:30	LB136486
	Magnesium	259000	250000	104	210000	286000	07/15/2025	14:30	LB136486
	Manganese	622	510	122	430	584	07/15/2025	14:30	LB136486
	Nickel	1010	950	106	810	1100	07/15/2025	14:30	LB136486
	Potassium	-673			0	0	07/15/2025	14:30	LB136486
	Selenium	-40.1	46.0	87	26	66	07/15/2025	14:30	LB136486
	Silver	79.4	200	40	170	232	07/15/2025	14:30	LB136486
	Sodium	-616			0	0	07/15/2025	14:30	LB136486
	Thallium	175	110	159	68	148	07/15/2025	14:30	LB136486
	Vanadium	414	490	84	417	565	07/15/2025	14:30	LB136486
	Zinc	1070	950	113	809	1095	07/15/2025	14:30	LB136486

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: JPCL Engineering **level:** low **sdg no.:** Q2473

contract: JPCL01 **lab code:** ACE

matrix: Solid **sample id:** Q2484-06 **client id:** TP-104MS

Percent Solids for Sample: 87.3 **Spiked ID:** Q2484-06MS **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11500		9230		95.5	2372		P
Antimony	mg/Kg	75 - 125	9.41		1.16	J	38.2	22	N	P
Arsenic	mg/Kg	75 - 125	43.0		7.48		38.2	93		P
Barium	mg/Kg	75 - 125	33.9		24.3		9.5	101		P
Beryllium	mg/Kg	75 - 125	8.26		0.73		9.5	79		P
Cadmium	mg/Kg	75 - 125	8.89		0.29	U	9.5	93		P
Calcium	mg/Kg	75 - 125	569		353		47.7	452		P
Chromium	mg/Kg	75 - 125	31.4		15.8		19.1	81		P
Cobalt	mg/Kg	75 - 125	8.21		1.43	U	9.5	86		P
Copper	mg/Kg	75 - 125	18.5		4.84		14.3	95		P
Iron	mg/Kg	75 - 125	20000		19400		140	365		P
Lead	mg/Kg	75 - 125	57.7		13.1		47.7	93		P
Magnesium	mg/Kg	75 - 125	858		717		95.5	148		P
Manganese	mg/Kg	75 - 125	73.7		73.8		9.5	-1		P
Mercury	mg/Kg	80 - 120	0.36		0.039		0.29	110		CV
Nickel	mg/Kg	75 - 125	31.3		7.27		23.9	101		P
Potassium	mg/Kg	75 - 125	857		420		480	91		P
Selenium	mg/Kg	75 - 125	70.7		4.47		95.5	69	N	P
Silver	mg/Kg	75 - 125	2.34		0.48	U	3.6	65	N	P
Sodium	mg/Kg	75 - 125	351		253		140	69	N	P
Thallium	mg/Kg	75 - 125	86.4		1.91	U	95.5	90		P
Vanadium	mg/Kg	75 - 125	41.6		30.8		14.3	76		P
Zinc	mg/Kg	75 - 125	24.4		16.3		9.5	85		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: JPCL Engineering **level:** low **sdg no.:** Q2473

contract: JPCL01 **lab code:** ACE

matrix: Solid **sample id:** Q2484-06 **client id:** TP-104MSD

Percent Solids for Sample: 87.3 **Spiked ID:** Q2484-06MSD **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	11800		9230		100	2492		P
Antimony	mg/Kg	75 - 125	10.8		1.16	J	41.1	23	N	P
Arsenic	mg/Kg	75 - 125	46.1		7.48		41.1	94		P
Barium	mg/Kg	75 - 125	32.4		24.3		10.3	78		P
Beryllium	mg/Kg	75 - 125	8.98		0.73		10.3	80		P
Cadmium	mg/Kg	75 - 125	9.81		0.29	U	10.3	96		P
Calcium	mg/Kg	75 - 125	445		353		51.4	179		P
Chromium	mg/Kg	75 - 125	32.6		15.8		20.5	81		P
Cobalt	mg/Kg	75 - 125	8.78		1.43	U	10.3	86		P
Copper	mg/Kg	75 - 125	19.0		4.84		15.4	92		P
Iron	mg/Kg	75 - 125	19900		19400		150	285		P
Lead	mg/Kg	75 - 125	60.7		13.1		51.4	93		P
Magnesium	mg/Kg	75 - 125	869		717		100	148		P
Manganese	mg/Kg	75 - 125	71.4		73.8		10.3	-23		P
Mercury	mg/Kg	80 - 120	0.38		0.039		0.31	111		CV
Nickel	mg/Kg	75 - 125	33.2		7.27		25.7	101		P
Potassium	mg/Kg	75 - 125	1050		420		510	122		P
Selenium	mg/Kg	75 - 125	79.1		4.47		100	73	N	P
Silver	mg/Kg	75 - 125	2.61		0.48	U	3.9	68	N	P
Sodium	mg/Kg	75 - 125	364		253		150	72	N	P
Thallium	mg/Kg	75 - 125	94.9		1.91	U	100	92		P
Vanadium	mg/Kg	75 - 125	43.5		30.8		15.4	83		P
Zinc	mg/Kg	75 - 125	24.6		16.3		10.3	81		P

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POST DIGEST SPIKE SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Matrix: Solid **Level:** LOW **Client ID:** TP-104A

Sample ID: Q2484-06 **Spiked ID:** Q2484-06A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	30.9		1.16	J	38.2	78		P
Selenium	mg/Kg	75 - 125	76.7		4.47		95.5	76		P
Silver	mg/Kg	75 - 125	2.57		0.48	U	3.60	71	N	P
Sodium	mg/Kg	75 - 125	365		253		140	80		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JPCL Engineering **Level:** LOW **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2484-06 **Client ID:** TP-104DUP

Percent Solids for Sample: 87.3 **Duplicate ID** Q2484-06DUP **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9230		9580		4		P
Antimony	mg/Kg	20	1.16	J	1.19	J	3		P
Arsenic	mg/Kg	20	7.48		7.54		1		P
Barium	mg/Kg	20	24.3		25.4		4		P
Beryllium	mg/Kg	20	0.73		0.76		4		P
Cadmium	mg/Kg	20	0.29	U	0.30	U			P
Calcium	mg/Kg	20	353		363		3		P
Chromium	mg/Kg	20	15.8		16.2		2		P
Cobalt	mg/Kg	20	1.43	U	1.47	U			P
Copper	mg/Kg	20	4.84		5.16		6		P
Iron	mg/Kg	20	19400		20400		5		P
Lead	mg/Kg	20	13.1		13.1		0		P
Magnesium	mg/Kg	20	717		762		6		P
Manganese	mg/Kg	20	73.8		72.4		2		P
Mercury	mg/Kg	20	0.039		0.035		11		CV
Nickel	mg/Kg	20	7.27		7.55		4		P
Potassium	mg/Kg	20	420		431		3		P
Selenium	mg/Kg	20	4.47		4.70		5		P
Silver	mg/Kg	20	0.48	U	0.49	U			P
Sodium	mg/Kg	20	253		264		4		P
Thallium	mg/Kg	20	1.91	U	1.97	U			P
Vanadium	mg/Kg	20	30.8		31.6		3		P
Zinc	mg/Kg	20	16.3		17.1		5		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: JPCL Engineering **Level:** LOW **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Matrix: Solid **Sample ID:** Q2484-06MS **Client ID:** TP-104MSD

Percent Solids for Sample: 87.3 **Duplicate ID** Q2484-06MSD **Percent Solids for Spike Sample:** 87.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	11500		11800		3		P
Antimony	mg/Kg	20	9.41		10.8		13		P
Arsenic	mg/Kg	20	43.0		46.1		7		P
Barium	mg/Kg	20	33.9		32.4		5		P
Beryllium	mg/Kg	20	8.26		8.98		8		P
Cadmium	mg/Kg	20	8.89		9.81		10		P
Calcium	mg/Kg	20	569		445		24	*	P
Chromium	mg/Kg	20	31.4		32.6		4		P
Cobalt	mg/Kg	20	8.21		8.78		7		P
Copper	mg/Kg	20	18.5		19.0		3		P
Iron	mg/Kg	20	20000		19900		1		P
Lead	mg/Kg	20	57.7		60.7		5		P
Magnesium	mg/Kg	20	858		869		1		P
Manganese	mg/Kg	20	73.7		71.4		3		P
Mercury	mg/Kg	20	0.36		0.38		7		CV
Nickel	mg/Kg	20	31.3		33.2		6		P
Potassium	mg/Kg	20	857		1050		20		P
Selenium	mg/Kg	20	70.7		79.1		11		P
Silver	mg/Kg	20	2.34		2.61		11		P
Sodium	mg/Kg	20	351		364		4		P
Thallium	mg/Kg	20	86.4		94.9		9		P
Vanadium	mg/Kg	20	41.6		43.5		4		P
Zinc	mg/Kg	20	24.4		24.6		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168713BS							
Aluminum	mg/Kg	100	96.5		96	80 - 120	P
Antimony	mg/Kg	40.0	39.2		98	80 - 120	P
Arsenic	mg/Kg	40.0	38.3		96	80 - 120	P
Barium	mg/Kg	10.0	10.2		102	80 - 120	P
Beryllium	mg/Kg	10.0	9.58		96	80 - 120	P
Cadmium	mg/Kg	10.0	9.63		96	80 - 120	P
Calcium	mg/Kg	50.0	50.6	J	101	80 - 120	P
Chromium	mg/Kg	20.0	20.9		104	80 - 120	P
Cobalt	mg/Kg	10.0	9.78		98	80 - 120	P
Copper	mg/Kg	15.0	15.1		101	80 - 120	P
Iron	mg/Kg	150	151		101	80 - 120	P
Lead	mg/Kg	50.0	47.3		95	80 - 120	P
Magnesium	mg/Kg	100	96.0	J	96	80 - 120	P
Manganese	mg/Kg	10.0	9.86		99	80 - 120	P
Nickel	mg/Kg	25.0	25.2		101	80 - 120	P
Potassium	mg/Kg	500	484		97	80 - 120	P
Selenium	mg/Kg	100	94.9		95	80 - 120	P
Silver	mg/Kg	3.8	3.56		94	80 - 120	P
Sodium	mg/Kg	150	154		103	80 - 120	P
Thallium	mg/Kg	100	81.4		81	80 - 120	P
Vanadium	mg/Kg	15.0	14.2		95	80 - 120	P
Zinc	mg/Kg	10.0	10.3		103	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168719BS							
Mercury	mg/Kg	0.25	0.27		107	80 - 120	CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

TP-104L

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **Lb No.:** lb136486 **Lab Sample ID :** Q2484-06L **SDG No.:** Q2473

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	9230		11000		19		P
Antimony	1.16	J	11.9	U	100.0		P
Arsenic	7.48		8.85		18		P
Barium	24.3		28.9		19		P
Beryllium	0.73		0.86	J	18		P
Cadmium	0.29	U	1.43	U			P
Calcium	353		428	J	21		P
Chromium	15.8		17.9		13		P
Cobalt	1.43	U	7.16	U			P
Copper	4.84		6.36		31		P
Iron	19400		25900		33		P
Lead	13.1		14.1		8		P
Magnesium	717		890		24		P
Manganese	73.8		89.4		21		P
Mercury	0.039		0.076	U	100.0		CV
Nickel	7.27		6.99	J	4		P
Potassium	420		380	J	10		P
Selenium	4.47		6.71		50		P
Silver	0.48	U	2.39	U			P
Sodium	253		292	J	15		P
Thallium	1.91	U	9.55	U			P
Vanadium	30.8		35.7		16		P
Zinc	16.3		19.3		18		P

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LINEAR RANGES

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE **Case No.:** Q2473 **SAS No.:** Q2473

Instrument ID: P4 **Date:** 01/04/2018

Analyte	Integration Time (sec)	LDR ug/L
Aluminum	10	1980000
Antimony	10	90000
Arsenic	10	81000
Barium	10	90000
Beryllium	10	9000
Cadmium	10	9000
Calcium	10	2520000
Chromium	10	90000
Cobalt	10	81000
Copper	10	333000
Iron	10	900000
Lead	10	225000
Magnesium	10	3600000
Manganese	10	58500
Nickel	10	90000
Potassium	10	1800000
Selenium	10	90000
Silver	10	9000
Sodium	10	2520000
Thallium	10	90000
Vanadium	10	90000
Zinc	10	45000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168713**						
PB168713BL	PB168713BL	MB	SOLID	07/03/2025	2.00	100.0	100.00
PB168713BS	PB168713BS	LCS	SOLID	07/03/2025	2.00	100.0	100.00
Q2473-01	PIT#1	SAM	SOLID	07/03/2025	2.30	100.0	90.00
Q2473-02	PIT#2	SAM	SOLID	07/03/2025	2.28	100.0	90.10
Q2473-03	PIT#3	SAM	SOLID	07/03/2025	2.44	100.0	88.40
Q2473-04	PIT#4	SAM	SOLID	07/03/2025	2.18	100.0	90.70
Q2484-06DUP	TP-104DUP	DUP	SOLID	07/03/2025	2.33	100.0	87.30
Q2484-06MS	TP-104MS	MS	SOLID	07/03/2025	2.40	100.0	87.30
Q2484-06MSD	TP-104MSD	MSD	SOLID	07/03/2025	2.23	100.0	87.30

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SAMPLE PREPARATION SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168719**						
PB168719BL	PB168719BL	MB	SOLID	07/02/2025	0.52	35.0	100.00
PB168719BS	PB168719BS	LCS	SOLID	07/02/2025	0.55	35.0	100.00
Q2473-01	PIT#1	SAM	SOLID	07/02/2025	0.52	35.0	90.00
Q2473-02	PIT#2	SAM	SOLID	07/02/2025	0.52	35.0	90.10
Q2473-03	PIT#3	SAM	SOLID	07/02/2025	0.54	35.0	88.40
Q2473-04	PIT#4	SAM	SOLID	07/02/2025	0.56	35.0	90.70
Q2484-06DUP	TP-104DUP	DUP	SOLID	07/02/2025	0.53	35.0	87.30
Q2484-06MS	TP-104MS	MS	SOLID	07/02/2025	0.55	35.0	87.30
Q2484-06MSD	TP-104MSD	MSD	SOLID	07/02/2025	0.52	35.0	87.30

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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136369

Start date: 07/03/2025 **End date:** 07/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1055	HG
S0.2	S0.2	1	1058	HG
S2.5	S2.5	1	1100	HG
S5	S5	1	1102	HG
S7.5	S7.5	1	1104	HG
S10	S10	1	1110	HG
ICV16	ICV16	1	1113	HG
ICB16	ICB16	1	1117	HG
CCV51	CCV51	1	1120	HG
CCB51	CCB51	1	1122	HG
CRA	CRA	1	1124	HG
PB168719BS	PB168719BS	1	1134	HG
Q2473-01	PIT#1	1	1136	HG
Q2473-02	PIT#2	1	1138	HG
Q2473-03	PIT#3	1	1141	HG
Q2473-04	PIT#4	1	1143	HG
CCV52	CCV52	1	1148	HG
CCB52	CCB52	1	1150	HG
Q2484-06DUP	TP-104DUP	1	1208	HG
Q2484-06MS	TP-104MS	1	1211	HG
Q2484-06MSD	TP-104MSD	1	1213	HG
CCV53	CCV53	1	1215	HG
CCB53	CCB53	1	1218	HG
PB168719BL	PB168719BL	1	1220	HG
Q2484-06L	TP-104L	5	1226	HG
CCV54	CCV54	1	1230	HG
CCB54	CCB54	1	1233	HG

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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136390

Start date: 07/07/2025 **End date:** 07/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1230	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1234	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1238	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1242	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1247	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1341	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1345	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1349	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1353	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1410	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1415	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1419	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1438	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1442	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1530	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1534	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1633	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1637	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168713BL	PB168713BL	1	1645	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168713BS	PB168713BS	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-01	PIT#1	1	1709	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-03	PIT#3	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-04	PIT#4	1	1722	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1731	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1735	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	0143	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	0147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	0249	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	0253	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	0340	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	0344	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136407

Start date: 07/09/2025 **End date:** 07/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0939	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	0944	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	0948	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	0952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	0957	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1005	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1017	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1022	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1026	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1031	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1035	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1039	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1044	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1048	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1057	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1147	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1156	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1428	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1533	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1750	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1754	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2473-02	PIT#2	1	1840	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1854	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1858	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1948	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	1952	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2041	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2045	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136486

Start date: 07/15/2025 **End date:** 07/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1259	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1308	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1317	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1339	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV1	LLICV1	1	1350	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1410	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1421	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA	ICSA	20	1426	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB	ICSAB	20	1430	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1434	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1439	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06DUP	TP-104DUP	1	1448	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06MS	TP-104MS	1	1458	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06MSD	TP-104MSD	1	1502	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2484-06A	TP-104A	1	1506	Ag,Na,Sb,Se
CCV02	CCV02	1	1511	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1515	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-05	**PIT#1**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/07/25	
Q2473-06	**PIT#2**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/07/25	
Q2473-07	**PIT#3**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/10/25	
Q2473-08	**PIT#4**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP Mercury	7470A		07/07/25	07/08/25	
			TCLPMetals Group3	6010D		07/03/25	07/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2473 **Order ID:** Q2473

Client: JPCL Engineering **Project ID:** NOHO RFI No. SC64025 NYC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PIT#1								
Q2473-05	PIT#1	TCLP	Barium	204	J	72.8	500	ug/L
Q2473-05	PIT#1	TCLP	Chromium	111		10.6	50.0	ug/L
Q2473-05	PIT#1	TCLP	Mercury	5.69		0.76	2.00	ug/L
Client ID : PIT#2								
Q2473-06	PIT#2	TCLP	Barium	197	J	72.8	500	ug/L
Q2473-06	PIT#2	TCLP	Chromium	85.6		10.6	50.0	ug/L
Client ID : PIT#3								
Q2473-07	PIT#3	TCLP	Barium	388	J	72.8	500	ug/L
Q2473-07	PIT#3	TCLP	Chromium	121		10.6	50.0	ug/L
Q2473-07	PIT#3	TCLP	Lead	72.5		11.5	60.0	ug/L
Q2473-07	PIT#3	TCLP	Mercury	1.94	J	0.76	2.00	ug/L
Client ID : PIT#4								
Q2473-08	PIT#4	TCLP	Barium	330	J	72.8	500	ug/L
Q2473-08	PIT#4	TCLP	Chromium	124		10.6	50.0	ug/L
Q2473-08	PIT#4	TCLP	Lead	81.6		11.5	60.0	ug/L
Q2473-08	PIT#4	TCLP	Mercury	1.97	J	0.76	2.00	ug/L

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-05	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	07/03/25 12:30	07/07/25 15:21	6010D	SW3050
7440-39-3	Barium	204	J	1	72.8	500	ug/L	07/03/25 12:30	07/07/25 15:21	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	07/03/25 12:30	07/07/25 15:21	6010D	SW3050
7440-47-3	Chromium	111		1	10.6	50.0	ug/L	07/03/25 12:30	07/07/25 15:21	6010D	SW3050
7439-92-1	Lead	11.5	U	1	11.5	60.0	ug/L	07/03/25 12:30	07/07/25 15:21	6010D	SW3050
7439-97-6	Mercury	5.69		1	0.76	2.00	ug/L	07/07/25 13:50	07/08/25 09:33	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/03/25 12:30	07/07/25 15:21	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/03/25 12:30	07/07/25 15:21	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-06	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	07/03/25 12:30	07/07/25 15:25	6010D	SW3050
7440-39-3	Barium	197	J	1	72.8	500	ug/L	07/03/25 12:30	07/07/25 15:25	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	07/03/25 12:30	07/07/25 15:25	6010D	SW3050
7440-47-3	Chromium	85.6		1	10.6	50.0	ug/L	07/03/25 12:30	07/07/25 15:25	6010D	SW3050
7439-92-1	Lead	11.5	U	1	11.5	60.0	ug/L	07/03/25 12:30	07/07/25 15:25	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	07/07/25 13:50	07/08/25 09:35	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/03/25 12:30	07/07/25 15:25	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/03/25 12:30	07/07/25 15:25	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP Mercury				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-07	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	07/03/25 12:30	07/10/25 23:07	6010D	SW3050
7440-39-3	Barium	388	J	1	72.8	500	ug/L	07/03/25 12:30	07/10/25 23:07	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	07/03/25 12:30	07/10/25 23:07	6010D	SW3050
7440-47-3	Chromium	121		1	10.6	50.0	ug/L	07/03/25 12:30	07/10/25 23:07	6010D	SW3050
7439-92-1	Lead	72.5		1	11.5	60.0	ug/L	07/03/25 12:30	07/10/25 23:07	6010D	SW3050
7439-97-6	Mercury	1.94	J	1	0.76	2.00	ug/L	07/07/25 13:50	07/08/25 09:37	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/03/25 12:30	07/10/25 23:07	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/03/25 12:30	07/10/25 23:07	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-08	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	07/03/25 12:30	07/10/25 23:11	6010D	SW3050
7440-39-3	Barium	330	J	1	72.8	500	ug/L	07/03/25 12:30	07/10/25 23:11	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	07/03/25 12:30	07/10/25 23:11	6010D	SW3050
7440-47-3	Chromium	124		1	10.6	50.0	ug/L	07/03/25 12:30	07/10/25 23:11	6010D	SW3050
7439-92-1	Lead	81.6		1	11.5	60.0	ug/L	07/03/25 12:30	07/10/25 23:11	6010D	SW3050
7439-97-6	Mercury	1.97	J	1	0.76	2.00	ug/L	07/07/25 13:50	07/08/25 09:40	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	07/03/25 12:30	07/10/25 23:11	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	07/03/25 12:30	07/10/25 23:11	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP Mercury				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV19	Mercury	4.09	4.0	102	90 - 110	CV	07/08/2025	08:59	LB136391

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV61	Mercury	4.96	5.0	99	90 - 110	CV	07/08/2025	09:07	LB136391
CCV62	Mercury	5.11	5.0	102	90 - 110	CV	07/08/2025	09:44	LB136391
CCV63	Mercury	5.25	5.0	105	90 - 110	CV	07/08/2025	10:24	LB136391
CCV64	Mercury	4.93	5.0	99	90 - 110	CV	07/08/2025	10:53	LB136391
CCV65	Mercury	5.01	5.0	100	90 - 110	CV	07/08/2025	11:14	LB136391

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3880	4000	97	90 - 110	P	07/07/2025	13:22	LB136390
	Barium	7340	8000	92	90 - 110	P	07/07/2025	13:22	LB136390
	Cadmium	1950	2000	98	90 - 110	P	07/07/2025	13:22	LB136390
	Chromium	804	800	100	90 - 110	P	07/07/2025	13:22	LB136390
	Lead	3810	4000	95	90 - 110	P	07/07/2025	13:22	LB136390
	Selenium	3890	4000	97	90 - 110	P	07/07/2025	13:22	LB136390
	Silver	1020	1000	102	90 - 110	P	07/07/2025	13:22	LB136390

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	22.5	20.0	112	80 - 120	P	07/07/2025	13:41	LB136390
	Barium	92.5	100	92	80 - 120	P	07/07/2025	13:41	LB136390
	Cadmium	6.03	6.0	100	80 - 120	P	07/07/2025	13:41	LB136390
	Chromium	11.0	10.0	110	80 - 120	P	07/07/2025	13:41	LB136390
	Lead	12.3	12.0	103	80 - 120	P	07/07/2025	13:41	LB136390
	Selenium	20.1	20.0	101	80 - 120	P	07/07/2025	13:41	LB136390
	Silver	9.83	10.0	98	80 - 120	P	07/07/2025	13:41	LB136390

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5120	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Barium	9860	10000	99	90 - 110	P	07/07/2025	14:38	LB136390
	Cadmium	2550	2500	102	90 - 110	P	07/07/2025	14:38	LB136390
	Chromium	1010	1000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Lead	5050	5000	101	90 - 110	P	07/07/2025	14:38	LB136390
	Selenium	5090	5000	102	90 - 110	P	07/07/2025	14:38	LB136390
	Silver	1250	1250	100	90 - 110	P	07/07/2025	14:38	LB136390
CCV02	Arsenic	5030	5000	101	90 - 110	P	07/07/2025	15:30	LB136390
	Barium	9870	10000	99	90 - 110	P	07/07/2025	15:30	LB136390
	Cadmium	2480	2500	99	90 - 110	P	07/07/2025	15:30	LB136390
	Chromium	994	1000	99	90 - 110	P	07/07/2025	15:30	LB136390
	Lead	4930	5000	99	90 - 110	P	07/07/2025	15:30	LB136390
	Selenium	5010	5000	100	90 - 110	P	07/07/2025	15:30	LB136390
	Silver	1240	1250	99	90 - 110	P	07/07/2025	15:30	LB136390
CCV03	Arsenic	5100	5000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Barium	10000	10000	100	90 - 110	P	07/07/2025	16:33	LB136390
	Cadmium	2520	2500	101	90 - 110	P	07/07/2025	16:33	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/07/2025	16:33	LB136390
	Lead	5010	5000	100	90 - 110	P	07/07/2025	16:33	LB136390
	Selenium	5070	5000	101	90 - 110	P	07/07/2025	16:33	LB136390
	Silver	1270	1250	101	90 - 110	P	07/07/2025	16:33	LB136390
CCV04	Arsenic	5040	5000	101	90 - 110	P	07/07/2025	17:31	LB136390
	Barium	10200	10000	102	90 - 110	P	07/07/2025	17:31	LB136390
	Cadmium	2480	2500	99	90 - 110	P	07/07/2025	17:31	LB136390
	Chromium	1010	1000	101	90 - 110	P	07/07/2025	17:31	LB136390
	Lead	4930	5000	98	90 - 110	P	07/07/2025	17:31	LB136390
	Selenium	5020	5000	100	90 - 110	P	07/07/2025	17:31	LB136390
	Silver	1260	1250	101	90 - 110	P	07/07/2025	17:31	LB136390
CCV05	Arsenic	5130	5000	103	90 - 110	P	07/08/2025	01:43	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	01:43	LB136390
	Cadmium	2550	2500	102	90 - 110	P	07/08/2025	01:43	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	01:43	LB136390
	Lead	5060	5000	101	90 - 110	P	07/08/2025	01:43	LB136390
	Selenium	5100	5000	102	90 - 110	P	07/08/2025	01:43	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1260	1250	101	90 - 110	P	07/08/2025	01:43	LB136390
CCV06	Arsenic	5030	5000	101	90 - 110	P	07/08/2025	02:49	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	02:49	LB136390
	Cadmium	2490	2500	99	90 - 110	P	07/08/2025	02:49	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	02:49	LB136390
	Lead	4940	5000	99	90 - 110	P	07/08/2025	02:49	LB136390
	Selenium	5030	5000	100	90 - 110	P	07/08/2025	02:49	LB136390
	Silver	1270	1250	102	90 - 110	P	07/08/2025	02:49	LB136390
CCV07	Arsenic	5040	5000	101	90 - 110	P	07/08/2025	03:40	LB136390
	Barium	10300	10000	103	90 - 110	P	07/08/2025	03:40	LB136390
	Cadmium	2500	2500	100	90 - 110	P	07/08/2025	03:40	LB136390
	Chromium	1020	1000	102	90 - 110	P	07/08/2025	03:40	LB136390
	Lead	4980	5000	100	90 - 110	P	07/08/2025	03:40	LB136390
	Selenium	5020	5000	100	90 - 110	P	07/08/2025	03:40	LB136390
	Silver	1270	1250	101	90 - 110	P	07/08/2025	03:40	LB136390

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3660	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Barium	7770	8000	97	90 - 110	P	07/09/2025	10:05	LB136407
	Cadmium	1860	2000	93	90 - 110	P	07/09/2025	10:05	LB136407
	Chromium	784	800	98	90 - 110	P	07/09/2025	10:05	LB136407
	Lead	3700	4000	92	90 - 110	P	07/09/2025	10:05	LB136407
	Selenium	3760	4000	94	90 - 110	P	07/09/2025	10:05	LB136407
	Silver	1000	1000	100	90 - 110	P	07/09/2025	10:05	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	20.8	20.0	104	80 - 120	P	07/09/2025	10:17	LB136407
	Barium	101	100	101	80 - 120	P	07/09/2025	10:17	LB136407
	Cadmium	5.40	6.0	90	80 - 120	P	07/09/2025	10:17	LB136407
	Chromium	10.3	10.0	103	80 - 120	P	07/09/2025	10:17	LB136407
	Lead	11.2	12.0	94	80 - 120	P	07/09/2025	10:17	LB136407
	Selenium	21.3	20.0	107	80 - 120	P	07/09/2025	10:17	LB136407
	Silver	9.46	10.0	95	80 - 120	P	07/09/2025	10:17	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4990	5000	100	90 - 110	P	07/09/2025	10:48	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	10:48	LB136407
	Cadmium	2520	2500	101	90 - 110	P	07/09/2025	10:48	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	10:48	LB136407
	Lead	5040	5000	101	90 - 110	P	07/09/2025	10:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	10:48	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	10:48	LB136407
CCV02	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	11:47	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	11:47	LB136407
	Cadmium	2430	2500	97	90 - 110	P	07/09/2025	11:47	LB136407
	Chromium	997	1000	100	90 - 110	P	07/09/2025	11:47	LB136407
	Lead	4860	5000	97	90 - 110	P	07/09/2025	11:47	LB136407
	Selenium	4960	5000	99	90 - 110	P	07/09/2025	11:47	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	11:47	LB136407
CCV03	Arsenic	4830	5000	96	90 - 110	P	07/09/2025	12:54	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	12:54	LB136407
	Cadmium	2440	2500	98	90 - 110	P	07/09/2025	12:54	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Lead	4890	5000	98	90 - 110	P	07/09/2025	12:54	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	12:54	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	12:54	LB136407
CCV04	Arsenic	4860	5000	97	90 - 110	P	07/09/2025	14:05	LB136407
	Barium	10700	10000	107	90 - 110	P	07/09/2025	14:05	LB136407
	Cadmium	2460	2500	98	90 - 110	P	07/09/2025	14:05	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	14:05	LB136407
	Lead	4930	5000	99	90 - 110	P	07/09/2025	14:05	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	14:05	LB136407
	Silver	1260	1250	101	90 - 110	P	07/09/2025	14:05	LB136407
CCV05	Arsenic	5070	5000	101	90 - 110	P	07/09/2025	15:27	LB136407
	Barium	10800	10000	108	90 - 110	P	07/09/2025	15:27	LB136407
	Cadmium	2560	2500	103	90 - 110	P	07/09/2025	15:27	LB136407
	Chromium	1030	1000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Lead	5130	5000	103	90 - 110	P	07/09/2025	15:27	LB136407
	Selenium	5260	5000	105	90 - 110	P	07/09/2025	15:27	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1280	1250	102	90 - 110	P	07/09/2025	15:27	LB136407
CCV06	Arsenic	4880	5000	98	90 - 110	P	07/09/2025	16:39	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	16:39	LB136407
	Cadmium	2470	2500	99	90 - 110	P	07/09/2025	16:39	LB136407
	Chromium	1000	1000	100	90 - 110	P	07/09/2025	16:39	LB136407
	Lead	4940	5000	99	90 - 110	P	07/09/2025	16:39	LB136407
	Selenium	5090	5000	102	90 - 110	P	07/09/2025	16:39	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	16:39	LB136407
CCV07	Arsenic	4770	5000	95	90 - 110	P	07/09/2025	17:50	LB136407
	Barium	10500	10000	105	90 - 110	P	07/09/2025	17:50	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	17:50	LB136407
	Chromium	982	1000	98	90 - 110	P	07/09/2025	17:50	LB136407
	Lead	4830	5000	97	90 - 110	P	07/09/2025	17:50	LB136407
	Selenium	5010	5000	100	90 - 110	P	07/09/2025	17:50	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	17:50	LB136407
CCV08	Arsenic	4700	5000	94	90 - 110	P	07/09/2025	18:54	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	18:54	LB136407
	Cadmium	2400	2500	96	90 - 110	P	07/09/2025	18:54	LB136407
	Chromium	966	1000	97	90 - 110	P	07/09/2025	18:54	LB136407
	Lead	4780	5000	96	90 - 110	P	07/09/2025	18:54	LB136407
	Selenium	4970	5000	99	90 - 110	P	07/09/2025	18:54	LB136407
	Silver	1220	1250	98	90 - 110	P	07/09/2025	18:54	LB136407
CCV09	Arsenic	4800	5000	96	90 - 110	P	07/09/2025	19:48	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	19:48	LB136407
	Cadmium	2450	2500	98	90 - 110	P	07/09/2025	19:48	LB136407
	Chromium	983	1000	98	90 - 110	P	07/09/2025	19:48	LB136407
	Lead	4870	5000	97	90 - 110	P	07/09/2025	19:48	LB136407
	Selenium	5080	5000	102	90 - 110	P	07/09/2025	19:48	LB136407
	Silver	1250	1250	100	90 - 110	P	07/09/2025	19:48	LB136407
CCV10	Arsenic	4910	5000	98	90 - 110	P	07/09/2025	20:41	LB136407
	Barium	10600	10000	106	90 - 110	P	07/09/2025	20:41	LB136407
	Cadmium	2510	2500	100	90 - 110	P	07/09/2025	20:41	LB136407
	Chromium	1010	1000	101	90 - 110	P	07/09/2025	20:41	LB136407
	Lead	4990	5000	100	90 - 110	P	07/09/2025	20:41	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Selenium	5200	5000	104	90 - 110	P	07/09/2025	20:41	LB136407
	Silver	1270	1250	102	90 - 110	P	07/09/2025	20:41	LB136407
CCV11	Arsenic	4740	5000	95	90 - 110	P	07/09/2025	21:12	LB136407
	Barium	10400	10000	104	90 - 110	P	07/09/2025	21:12	LB136407
	Cadmium	2420	2500	97	90 - 110	P	07/09/2025	21:12	LB136407
	Chromium	975	1000	98	90 - 110	P	07/09/2025	21:12	LB136407
	Lead	4820	5000	96	90 - 110	P	07/09/2025	21:12	LB136407
	Selenium	5050	5000	101	90 - 110	P	07/09/2025	21:12	LB136407
	Silver	1240	1250	99	90 - 110	P	07/09/2025	21:12	LB136407

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3950	4000	99	90 - 110	P	07/10/2025	18:39	LB136434
	Barium	7860	8000	98	90 - 110	P	07/10/2025	18:39	LB136434
	Cadmium	2050	2000	103	90 - 110	P	07/10/2025	18:39	LB136434
	Chromium	800	800	100	90 - 110	P	07/10/2025	18:39	LB136434
	Lead	4060	4000	101	90 - 110	P	07/10/2025	18:39	LB136434
	Selenium	4190	4000	105	90 - 110	P	07/10/2025	18:39	LB136434
	Silver	911	1000	91	90 - 110	P	07/10/2025	18:39	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	21.2	20.0	106	80 - 120	P	07/10/2025	18:51	LB136434
	Barium	98.6	100	99	80 - 120	P	07/10/2025	18:51	LB136434
	Cadmium	5.61	6.0	93	80 - 120	P	07/10/2025	18:51	LB136434
	Chromium	10.5	10.0	105	80 - 120	P	07/10/2025	18:51	LB136434
	Lead	13.2	12.0	110	80 - 120	P	07/10/2025	18:51	LB136434
	Selenium	20.6	20.0	103	80 - 120	P	07/10/2025	18:51	LB136434
	Silver	10.9	10.0	110	80 - 120	P	07/10/2025	18:51	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4910	5000	98	90 - 110	P	07/10/2025	19:43	LB136434
	Barium	10200	10000	102	90 - 110	P	07/10/2025	19:43	LB136434
	Cadmium	2510	2500	100	90 - 110	P	07/10/2025	19:43	LB136434
	Chromium	1010	1000	101	90 - 110	P	07/10/2025	19:43	LB136434
	Lead	4980	5000	100	90 - 110	P	07/10/2025	19:43	LB136434
	Selenium	5060	5000	101	90 - 110	P	07/10/2025	19:43	LB136434
	Silver	1280	1250	103	90 - 110	P	07/10/2025	19:43	LB136434
CCV02	Arsenic	4640	5000	93	90 - 110	P	07/10/2025	20:59	LB136434
	Barium	9760	10000	98	90 - 110	P	07/10/2025	20:59	LB136434
	Cadmium	2380	2500	95	90 - 110	P	07/10/2025	20:59	LB136434
	Chromium	962	1000	96	90 - 110	P	07/10/2025	20:59	LB136434
	Lead	4710	5000	94	90 - 110	P	07/10/2025	20:59	LB136434
	Selenium	4800	5000	96	90 - 110	P	07/10/2025	20:59	LB136434
	Silver	1220	1250	97	90 - 110	P	07/10/2025	20:59	LB136434
CCV03	Arsenic	4830	5000	96	90 - 110	P	07/10/2025	22:32	LB136434
	Barium	10000	10000	100	90 - 110	P	07/10/2025	22:32	LB136434
	Cadmium	2480	2500	99	90 - 110	P	07/10/2025	22:32	LB136434
	Chromium	997	1000	100	90 - 110	P	07/10/2025	22:32	LB136434
	Lead	4930	5000	99	90 - 110	P	07/10/2025	22:32	LB136434
	Selenium	4940	5000	99	90 - 110	P	07/10/2025	22:32	LB136434
	Silver	1250	1250	100	90 - 110	P	07/10/2025	22:32	LB136434
CCV04	Arsenic	4600	5000	92	90 - 110	P	07/10/2025	23:29	LB136434
	Barium	9570	10000	96	90 - 110	P	07/10/2025	23:29	LB136434
	Cadmium	2350	2500	94	90 - 110	P	07/10/2025	23:29	LB136434
	Chromium	957	1000	96	90 - 110	P	07/10/2025	23:29	LB136434
	Lead	4690	5000	94	90 - 110	P	07/10/2025	23:29	LB136434
	Selenium	4700	5000	94	90 - 110	P	07/10/2025	23:29	LB136434
	Silver	1200	1250	96	90 - 110	P	07/10/2025	23:29	LB136434
CCV05	Arsenic	4750	5000	95	90 - 110	P	07/11/2025	00:47	LB136434
	Barium	9800	10000	98	90 - 110	P	07/11/2025	00:47	LB136434
	Cadmium	2410	2500	96	90 - 110	P	07/11/2025	00:47	LB136434
	Chromium	978	1000	98	90 - 110	P	07/11/2025	00:47	LB136434
	Lead	4820	5000	96	90 - 110	P	07/11/2025	00:47	LB136434
	Selenium	4790	5000	96	90 - 110	P	07/11/2025	00:47	LB136434

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1220	1250	97	90 - 110	P	07/11/2025	00:47	LB136434
CCV06	Arsenic	4780	5000	96	90 - 110	P	07/11/2025	01:47	LB136434
	Barium	9810	10000	98	90 - 110	P	07/11/2025	01:47	LB136434
	Cadmium	2410	2500	96	90 - 110	P	07/11/2025	01:47	LB136434
	Chromium	978	1000	98	90 - 110	P	07/11/2025	01:47	LB136434
	Lead	4820	5000	96	90 - 110	P	07/11/2025	01:47	LB136434
	Selenium	4810	5000	96	90 - 110	P	07/11/2025	01:47	LB136434
	Silver	1220	1250	97	90 - 110	P	07/11/2025	01:47	LB136434
CCV07	Arsenic	4640	5000	93	90 - 110	P	07/11/2025	03:17	LB136434
	Barium	9540	10000	95	90 - 110	P	07/11/2025	03:17	LB136434
	Cadmium	2330	2500	93	90 - 110	P	07/11/2025	03:17	LB136434
	Chromium	961	1000	96	90 - 110	P	07/11/2025	03:17	LB136434
	Lead	4670	5000	93	90 - 110	P	07/11/2025	03:17	LB136434
	Selenium	4670	5000	94	90 - 110	P	07/11/2025	03:17	LB136434
	Silver	1200	1250	96	90 - 110	P	07/11/2025	03:17	LB136434
CCV08	Arsenic	4790	5000	96	90 - 110	P	07/11/2025	04:18	LB136434
	Barium	9730	10000	97	90 - 110	P	07/11/2025	04:18	LB136434
	Cadmium	2400	2500	96	90 - 110	P	07/11/2025	04:18	LB136434
	Chromium	987	1000	99	90 - 110	P	07/11/2025	04:18	LB136434
	Lead	4820	5000	96	90 - 110	P	07/11/2025	04:18	LB136434
	Selenium	4720	5000	94	90 - 110	P	07/11/2025	04:18	LB136434
	Silver	1220	1250	98	90 - 110	P	07/11/2025	04:18	LB136434
CCV09	Arsenic	4770	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
	Barium	9960	10000	100	90 - 110	P	07/11/2025	05:19	LB136434
	Cadmium	2380	2500	95	90 - 110	P	07/11/2025	05:19	LB136434
	Chromium	1000	1000	100	90 - 110	P	07/11/2025	05:19	LB136434
	Lead	4770	5000	96	90 - 110	P	07/11/2025	05:19	LB136434
	Selenium	4720	5000	94	90 - 110	P	07/11/2025	05:19	LB136434
	Silver	1240	1250	99	90 - 110	P	07/11/2025	05:19	LB136434
CCV10	Arsenic	4790	5000	96	90 - 110	P	07/11/2025	06:16	LB136434
	Barium	9830	10000	98	90 - 110	P	07/11/2025	06:16	LB136434
	Cadmium	2390	2500	96	90 - 110	P	07/11/2025	06:16	LB136434
	Chromium	988	1000	99	90 - 110	P	07/11/2025	06:16	LB136434
	Lead	4800	5000	96	90 - 110	P	07/11/2025	06:16	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Selenium	4710	5000	94	90 - 110	P	07/11/2025	06:16	LB136434
	Silver	1210	1250	97	90 - 110	P	07/11/2025	06:16	LB136434
CCV11	Arsenic	4750	5000	95	90 - 110	P	07/11/2025	06:43	LB136434
	Barium	9790	10000	98	90 - 110	P	07/11/2025	06:43	LB136434
	Cadmium	2370	2500	95	90 - 110	P	07/11/2025	06:43	LB136434
	Chromium	982	1000	98	90 - 110	P	07/11/2025	06:43	LB136434
	Lead	4770	5000	95	90 - 110	P	07/11/2025	06:43	LB136434
	Selenium	4660	5000	93	90 - 110	P	07/11/2025	06:43	LB136434
	Silver	1210	1250	97	90 - 110	P	07/11/2025	06:43	LB136434

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	23.0	20.0	115	65 - 135	P	07/07/2025	13:49	LB136390
	Barium	97.5	100	98	65 - 135	P	07/07/2025	13:49	LB136390
	Cadmium	7.08	6.0	118	65 - 135	P	07/07/2025	13:49	LB136390
	Chromium	11.8	10.0	118	65 - 135	P	07/07/2025	13:49	LB136390
	Lead	13.7	12.0	114	65 - 135	P	07/07/2025	13:49	LB136390
	Selenium	19.2	20.0	96	65 - 135	P	07/07/2025	13:49	LB136390
	Silver	10.6	10.0	106	65 - 135	P	07/07/2025	13:49	LB136390
CRA	Mercury	0.25	0.2	125	70 - 130	CV	07/08/2025	09:14	LB136391
CRI01	Arsenic	14.2	20.0	71	65 - 135	P	07/09/2025	10:26	LB136407
	Barium	104	100	104	65 - 135	P	07/09/2025	10:26	LB136407
	Cadmium	5.51	6.0	92	65 - 135	P	07/09/2025	10:26	LB136407
	Chromium	10.7	10.0	107	65 - 135	P	07/09/2025	10:26	LB136407
	Lead	11.5	12.0	96	65 - 135	P	07/09/2025	10:26	LB136407
	Selenium	22.8	20.0	114	65 - 135	P	07/09/2025	10:26	LB136407
	Silver	11.6	10.0	116	65 - 135	P	07/09/2025	10:26	LB136407
CRI01	Arsenic	20.6	20.0	103	65 - 135	P	07/10/2025	19:01	LB136434
	Barium	96.3	100	96	65 - 135	P	07/10/2025	19:01	LB136434
	Cadmium	5.33	6.0	89	65 - 135	P	07/10/2025	19:01	LB136434
	Chromium	10.5	10.0	105	65 - 135	P	07/10/2025	19:01	LB136434
	Lead	12.4	12.0	103	65 - 135	P	07/10/2025	19:01	LB136434
	Selenium	16.7	20.0	84	65 - 135	P	07/10/2025	19:01	LB136434
	Silver	10.5	10.0	105	65 - 135	P	07/10/2025	19:01	LB136434

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB19	Mercury	0.076	+/-0.2	U	0.20	CV	07/08/2025	09:04	LB136391

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB61	Mercury	0.076	+/-0.2	U	0.20	CV	07/08/2025	09:12	LB136391
CCB62	Mercury	0.076	+/-0.2	U	0.20	CV	07/08/2025	09:50	LB136391
CCB63	Mercury	0.076	+/-0.2	U	0.20	CV	07/08/2025	10:26	LB136391
CCB64	Mercury	0.076	+/-0.2	U	0.20	CV	07/08/2025	10:56	LB136391
CCB65	Mercury	0.076	+/-0.2	U	0.20	CV	07/08/2025	11:17	LB136391

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	13:45	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	13:45	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	13:45	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	13:45	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	13:45	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	13:45	LB136390

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	14:42	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	14:42	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	14:42	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	14:42	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	14:42	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	14:42	LB136390
CCB02	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	15:34	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	15:34	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	15:34	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	15:34	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	15:34	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	15:34	LB136390
CCB03	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	16:37	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	16:37	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	16:37	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	16:37	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	16:37	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	16:37	LB136390
CCB04	Arsenic	5.12	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Barium	14.6	+/-50	U	100	P	07/07/2025	17:35	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/07/2025	17:35	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/07/2025	17:35	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/07/2025	17:35	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/07/2025	17:35	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/07/2025	17:35	LB136390
CCB05	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	01:47	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	01:47	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	01:47	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	01:47	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	01:47	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	01:47	LB136390
CCB06	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	02:53	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	02:53	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	02:53	LB136390

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	07/08/2025	02:53	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	02:53	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	02:53	LB136390
CCB07	Arsenic	5.12	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Barium	14.6	+/-50	U	100	P	07/08/2025	03:44	LB136390
	Cadmium	0.50	+/-3	U	6.00	P	07/08/2025	03:44	LB136390
	Chromium	2.12	+/-5	U	10.0	P	07/08/2025	03:44	LB136390
	Lead	2.30	+/-6	U	12.0	P	07/08/2025	03:44	LB136390
	Selenium	9.64	+/-10	U	20.0	P	07/08/2025	03:44	LB136390
	Silver	1.62	+/-5	U	10.0	P	07/08/2025	03:44	LB136390

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:22	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:22	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:22	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:22	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:22	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:22	LB136407

Alliance TECHNICAL GROUP
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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	10:57	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	10:57	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	10:57	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	10:57	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	10:57	LB136407
CCB02	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	11:56	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	11:56	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	11:56	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	11:56	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	11:56	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	11:56	LB136407
CCB03	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	12:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	12:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	12:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	12:58	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	12:58	LB136407
CCB04	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	14:28	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	14:28	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	14:28	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	14:28	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	14:28	LB136407
	Silver	7.86	+/-5	J*	10.0	P	07/09/2025	14:28	LB136407
CCB05	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	15:33	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	15:33	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	15:33	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	15:33	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	15:33	LB136407
	Silver	6.92	+/-5	J*	10.0	P	07/09/2025	15:33	LB136407
CCB06	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	16:43	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	16:43	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	16:43	LB136407

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	07/09/2025	16:43	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	16:43	LB136407
	Silver	3.51	+/-5	J	10.0	P	07/09/2025	16:43	LB136407
CCB07	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	17:54	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	17:54	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	17:54	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	17:54	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	17:54	LB136407
	Silver	2.23	+/-5	J	10.0	P	07/09/2025	17:54	LB136407
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	18:58	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	18:58	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	18:58	LB136407
	Lead	3.36	+/-6	J	12.0	P	07/09/2025	18:58	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	18:58	LB136407
	Silver	2.96	+/-5	J	10.0	P	07/09/2025	18:58	LB136407
CCB09	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	19:52	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	19:52	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	19:52	LB136407
	Lead	2.75	+/-6	J	12.0	P	07/09/2025	19:52	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	19:52	LB136407
	Silver	2.59	+/-5	J	10.0	P	07/09/2025	19:52	LB136407
CCB10	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	20:45	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	20:45	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	20:45	LB136407
	Lead	2.30	+/-6	U	12.0	P	07/09/2025	20:45	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	20:45	LB136407
	Silver	1.92	+/-5	J	10.0	P	07/09/2025	20:45	LB136407
CCB11	Arsenic	5.12	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Barium	14.6	+/-50	U	100	P	07/09/2025	21:16	LB136407
	Cadmium	0.50	+/-3	U	6.00	P	07/09/2025	21:16	LB136407
	Chromium	2.12	+/-5	U	10.0	P	07/09/2025	21:16	LB136407
	Lead	4.79	+/-6	J	12.0	P	07/09/2025	21:16	LB136407
	Selenium	9.64	+/-10	U	20.0	P	07/09/2025	21:16	LB136407
	Silver	1.62	+/-5	U	10.0	P	07/09/2025	21:16	LB136407

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	18:55	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	18:55	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	18:55	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	18:55	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	18:55	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	18:55	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	18:55	LB136434

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	19:54	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	19:54	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	19:54	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	19:54	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	19:54	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	19:54	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	19:54	LB136434
CCB02	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	21:04	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	21:04	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	21:04	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	21:04	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	21:04	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	21:04	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	21:04	LB136434
CCB03	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	22:36	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	22:36	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	22:36	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	22:36	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	22:36	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	22:36	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	22:36	LB136434
CCB04	Arsenic	5.12	+/-10	U	20.0	P	07/10/2025	23:53	LB136434
	Barium	14.6	+/-50	U	100	P	07/10/2025	23:53	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/10/2025	23:53	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/10/2025	23:53	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/10/2025	23:53	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/10/2025	23:53	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/10/2025	23:53	LB136434
CCB05	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	00:51	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	00:51	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	00:51	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	00:51	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	00:51	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	00:51	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	00:51	LB136434
CCB06	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	02:23	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	02:23	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	02:23	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	02:23	LB136434

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	07/11/2025	02:23	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	02:23	LB136434
	Silver	4.87	+/-5	J	10.0	P	07/11/2025	02:23	LB136434
CCB07	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	03:26	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	03:26	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	03:26	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	03:26	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	03:26	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	03:26	LB136434
	Silver	4.57	+/-5	J	10.0	P	07/11/2025	03:26	LB136434
CCB08	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	04:27	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	04:27	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	04:27	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	04:27	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	04:27	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	04:27	LB136434
	Silver	6.06	+/-5	J*	10.0	P	07/11/2025	04:27	LB136434
CCB09	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	05:24	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	05:24	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	05:24	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	05:24	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	05:24	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	05:24	LB136434
	Silver	2.97	+/-5	J	10.0	P	07/11/2025	05:24	LB136434
CCB10	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	06:21	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	06:21	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	06:21	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	06:21	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	06:21	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	06:21	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	06:21	LB136434
CCB11	Arsenic	5.12	+/-10	U	20.0	P	07/11/2025	06:47	LB136434
	Barium	14.6	+/-50	U	100	P	07/11/2025	06:47	LB136434
	Cadmium	0.50	+/-3	U	6.00	P	07/11/2025	06:47	LB136434
	Chromium	2.12	+/-5	U	10.0	P	07/11/2025	06:47	LB136434
	Lead	2.30	+/-6	U	12.0	P	07/11/2025	06:47	LB136434
	Selenium	9.64	+/-10	U	20.0	P	07/11/2025	06:47	LB136434
	Silver	1.62	+/-5	U	10.0	P	07/11/2025	06:47	LB136434

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Metals
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PREPARATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168689TB		**WATER**		**Batch Number:**	**PB168741**		**Prep Date:**	**07/07/2025**	
	Mercury	0.76	<2	U	2.00	CV	07/08/2025	10:58	LB136391

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168741BL		**WATER**		**Batch Number:**	**PB168741**		**Prep Date:**	**07/07/2025**	
	Mercury	0.093	<0.2	J	0.20	CV	07/08/2025	09:24	LB136391

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168711BL		**WATER**		**Batch Number:**	**PB168711**		**Prep Date:**	**07/03/2025**	
	Arsenic	25.6	<50	U	100	P	07/07/2025	16:41	LB136390
	Barium	72.8	<250	U	500	P	07/07/2025	16:41	LB136390
	Cadmium	2.50	<15	U	30.0	P	07/07/2025	16:41	LB136390
	Chromium	10.6	<25	U	50.0	P	07/07/2025	16:41	LB136390
	Lead	11.5	<30	U	60.0	P	07/07/2025	16:41	LB136390
	Selenium	48.2	<50	U	100	P	07/07/2025	16:41	LB136390
	Silver	8.10	<25	U	50.0	P	07/07/2025	16:41	LB136390

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Instrument: P5

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168689TB		**WATER**		**Batch Number:**	**PB168711**		**Prep Date:**	**07/03/2025**	
	Arsenic	25.6	<50	U	100	P	07/09/2025	18:35	LB136407
	Barium	72.8	<250	U	500	P	07/09/2025	18:35	LB136407
	Cadmium	2.50	<15	U	30.0	P	07/09/2025	18:35	LB136407
	Chromium	10.6	<25	U	50.0	P	07/09/2025	18:35	LB136407
	Lead	18.7	<30	J	60.0	P	07/09/2025	18:35	LB136407
	Selenium	48.2	<50	U	100	P	07/09/2025	18:35	LB136407
	Silver	8.10	<25	U	50.0	P	07/09/2025	18:35	LB136407

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	-4.19			-20	20	07/07/2025	13:53	LB136390
	Barium	-3.69	6.0	62	-94	106	07/07/2025	13:53	LB136390
	Cadmium	-0.042	1.0	4	-5	7	07/07/2025	13:53	LB136390
	Chromium	53.6	52.0	103	42	62	07/07/2025	13:53	LB136390
	Lead	-5.45			-12	12	07/07/2025	13:53	LB136390
	Selenium	8.20			-20	20	07/07/2025	13:53	LB136390
	Silver	-6.96			-10	10	07/07/2025	13:53	LB136390
ICSAB01	Arsenic	99.1	104	95	88.4	120	07/07/2025	14:10	LB136390
	Barium	455	537	85	437	637	07/07/2025	14:10	LB136390
	Cadmium	992	972	102	826	1120	07/07/2025	14:10	LB136390
	Chromium	558	542	103	460	624	07/07/2025	14:10	LB136390
	Lead	41.5	49.0	85	37	61	07/07/2025	14:10	LB136390
	Selenium	53.0	46.0	115	26	66	07/07/2025	14:10	LB136390
	Silver	208	201	104	170	232	07/07/2025	14:10	LB136390
ICSA01	Arsenic	5.46			-20	20	07/09/2025	10:31	LB136407
	Barium	8.02	6.0	134	-94	106	07/09/2025	10:31	LB136407
	Cadmium	-0.43	1.0	43	-5	7	07/09/2025	10:31	LB136407
	Chromium	52.2	52.0	100	42	62	07/09/2025	10:31	LB136407
	Lead	-5.64			-12	12	07/09/2025	10:31	LB136407
	Selenium	-11.2			-20	20	07/09/2025	10:31	LB136407
	Silver	-2.41			-10	10	07/09/2025	10:31	LB136407
ICSAB01	Arsenic	98.6	100	99	88.4	120	07/09/2025	10:35	LB136407
	Barium	529	540	98	437	637	07/09/2025	10:35	LB136407
	Cadmium	984	970	101	826	1120	07/09/2025	10:35	LB136407
	Chromium	555	540	103	460	624	07/09/2025	10:35	LB136407
	Lead	38.6	49.0	79	37	61	07/09/2025	10:35	LB136407
	Selenium	40.2	46.0	87	26	66	07/09/2025	10:35	LB136407
	Silver	209	200	104	170	232	07/09/2025	10:35	LB136407
ICSA01	Arsenic	2.10			-20	20	07/10/2025	19:11	LB136434
	Barium	5.81	6.0	97	-94	106	07/10/2025	19:11	LB136434
	Cadmium	-0.49	1.0	49	-5	7	07/10/2025	19:11	LB136434
	Chromium	48.9	52.0	94	42	62	07/10/2025	19:11	LB136434
	Lead	0.44			-12	12	07/10/2025	19:11	LB136434
	Selenium	4.66			-20	20	07/10/2025	19:11	LB136434
	Silver	-1.13			-10	10	07/10/2025	19:11	LB136434
ICSAB01	Arsenic	92.1	100	92	88.4	120	07/10/2025	19:15	LB136434
	Barium	505	540	94	437	637	07/10/2025	19:15	LB136434
	Cadmium	972	970	100	826	1120	07/10/2025	19:15	LB136434
	Chromium	548	540	102	460	624	07/10/2025	19:15	LB136434
	Lead	43.4	49.0	89	37	61	07/10/2025	19:15	LB136434
	Selenium	52.3	46.0	114	26	66	07/10/2025	19:15	LB136434

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Silver	217	200	108	170	232	07/10/2025	19:15	LB136434

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: JPCL Engineering **level:** low **sdg no.:** Q2473

contract: JPCL01 **lab code:** ACE

matrix: Water **sample id:** Q2493-04 **client id:** WC-11MS

Percent Solids for Sample: NA **Spiked ID:** Q2493-04MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4080		100	U	4000	102		P
Barium	ug/L	75 - 125	2390		1540		1000	86		P
Cadmium	ug/L	75 - 125	992		30.0	U	1000	99		P
Chromium	ug/L	75 - 125	1990		50.0	U	2000	100		P
Lead	ug/L	75 - 125	4740		60.0	U	5000	95		P
Mercury	ug/L	75 - 125	48.7		2.07		40.0	116		CV
Selenium	ug/L	75 - 125	10100		100	U	10000	101		P
Silver	ug/L	75 - 125	357		50.0	U	380	94		P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: JPCL Engineering **level:** low **sdg no.:** Q2473

contract: JPCL01 **lab code:** ACE

matrix: Water **sample id:** Q2493-04 **client id:** WC-11MSD

Percent Solids for Sample: NA **Spiked ID:** Q2493-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3950		100	U	4000	99		P
Barium	ug/L	75 - 125	2350		1540		1000	81		P
Cadmium	ug/L	75 - 125	966		30.0	U	1000	97		P
Chromium	ug/L	75 - 125	1980		50.0	U	2000	99		P
Lead	ug/L	75 - 125	4610		60.0	U	5000	92		P
Mercury	ug/L	75 - 125	46.5		2.07		40.0	111		CV
Selenium	ug/L	75 - 125	9850		100	U	10000	98		P
Silver	ug/L	75 - 125	355		50.0	U	380	93		P

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Metals
- 5b -

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JPCL Engineering **Level:** LOW **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2493-04 **Client ID:** WC-11DUP

Percent Solids for Sample: NA **Duplicate ID** Q2493-04DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1540		1510		2		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.07		2.20		6		CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: JPCL Engineering **Level:** LOW **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2493-04MS **Client ID:** WC-11MSD

Percent Solids for Sample: NA **Duplicate ID** Q2493-04MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4080		3950		3		P
Barium	ug/L	20	2390		2350		2		P
Cadmium	ug/L	20	992		966		3		P
Chromium	ug/L	20	1990		1980		1		P
Lead	ug/L	20	4740		4610		3		P
Mercury	ug/L	20	48.7		46.5		5		CV
Selenium	ug/L	20	10100		9850		3		P
Silver	ug/L	20	357		355		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168711BS							
Arsenic	ug/L	4000	3910		98	80 - 120	P
Barium	ug/L	1000	1010		101	80 - 120	P
Cadmium	ug/L	1000	976		98	80 - 120	P
Chromium	ug/L	2000	2120		106	80 - 120	P
Lead	ug/L	5000	4790		96	80 - 120	P
Selenium	ug/L	10000	9700		97	80 - 120	P
Silver	ug/L	380	364		96	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168741BS							
Mercury	ug/L	4.0	3.55		89	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-11L

Lab Name: Alliance **Contract:** JPCL01

Lab Code: ACE **Lb No.:** lb136390 **Lab Sample ID :** Q2493-04L **SDG No.:** Q2473

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	1540		1290	J	16		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	60.0	U	300	U			P
Mercury	2.07		3.82	J	85		CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168711**						
PB168689TB	PB168689TB	MB	WATER	07/03/2025	5.0	25.0	
PB168711BL	PB168711BL	MB	WATER	07/03/2025	5.0	25.0	
PB168711BS	PB168711BS	LCS	WATER	07/03/2025	5.0	25.0	
Q2473-05	PIT#1	SAM	WATER	07/03/2025	5.0	25.0	
Q2473-06	PIT#2	SAM	WATER	07/03/2025	5.0	25.0	
Q2473-07	PIT#3	SAM	WATER	07/03/2025	5.0	25.0	
Q2473-08	PIT#4	SAM	WATER	07/03/2025	5.0	25.0	
Q2493-04DUP	WC-11DUP	DUP	WATER	07/03/2025	5.0	25.0	
Q2493-04MS	WC-11MS	MS	WATER	07/03/2025	5.0	25.0	
Q2493-04MSD	WC-11MSD	MSD	WATER	07/03/2025	5.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: JPCL Engineering **SDG No.:** Q2473

Contract: JPCL01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168741**						
PB168689TB	PB168689TB	MB	WATER	07/07/2025	3.0	30.0	
PB168741BL	PB168741BL	MB	WATER	07/07/2025	30.0	30.0	
PB168741BS	PB168741BS	LCS	WATER	07/07/2025	30.0	30.0	
Q2473-05	PIT#1	SAM	WATER	07/07/2025	3.0	30.0	
Q2473-06	PIT#2	SAM	WATER	07/07/2025	3.0	30.0	
Q2473-07	PIT#3	SAM	WATER	07/07/2025	3.0	30.0	
Q2473-08	PIT#4	SAM	WATER	07/07/2025	3.0	30.0	
Q2493-04DUP	WC-11DUP	DUP	WATER	07/07/2025	3.0	30.0	
Q2493-04MS	WC-11MS	MS	WATER	07/07/2025	3.0	30.0	
Q2493-04MSD	WC-11MSD	MSD	WATER	07/07/2025	3.0	30.0	

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metals
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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136390

Start date: 07/07/2025 **End date:** 07/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1225	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1230	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1234	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1238	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1242	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1247	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1322	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1341	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1345	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1349	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1353	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1410	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1438	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1442	Ag,As,Ba,Cd,Cr,Pb,Se
Q2473-05	PIT#1	1	1521	Ag,As,Ba,Cd,Cr,Pb,Se
Q2473-06	PIT#2	1	1525	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1530	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1534	Ag,As,Ba,Cd,Cr,Pb,Se
Q2493-04DUP	WC-11DUP	1	1551	Ag,As,Ba,Cd,Cr,Pb,Se
Q2493-04L	WC-11L	5	1555	Ag,As,Ba,Cd,Cr,Pb,Se
Q2493-04MS	WC-11MS	1	1559	Ag,As,Ba,Cd,Cr,Pb,Se
Q2493-04MSD	WC-11MSD	1	1604	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1633	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1637	Ag,As,Ba,Cd,Cr,Pb,Se
PB168711BL	PB168711BL	1	1641	Ag,As,Ba,Cd,Cr,Pb,Se
PB168711BS	PB168711BS	1	1714	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1731	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1735	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	0143	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	0147	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	0249	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	0253	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	0340	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	0344	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136391

Start date: 07/08/2025 **End date:** 07/08/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0835	HG
S0.2	S0.2	1	0837	HG
S2.5	S2.5	1	0839	HG
S5	S5	1	0842	HG
S7.5	S7.5	1	0844	HG
S10	S10	1	0852	HG
ICV19	ICV19	1	0859	HG
ICB19	ICB19	1	0904	HG
CCV61	CCV61	1	0907	HG
CCB61	CCB61	1	0912	HG
CRA	CRA	1	0914	HG
PB168741BL	PB168741BL	1	0924	HG
PB168741BS	PB168741BS	1	0930	HG
Q2473-05	PIT#1	1	0933	HG
Q2473-06	PIT#2	1	0935	HG
Q2473-07	PIT#3	1	0937	HG
Q2473-08	PIT#4	1	0940	HG
CCV62	CCV62	1	0944	HG
CCB62	CCB62	1	0950	HG
Q2493-04DUP	WC-11DUP	1	0957	HG
Q2493-04MS	WC-11MS	1	1005	HG
Q2493-04MSD	WC-11MSD	1	1007	HG
CCV63	CCV63	1	1024	HG
CCB63	CCB63	1	1026	HG
CCV64	CCV64	1	1053	HG
CCB64	CCB64	1	1056	HG
PB168689TB	PB168689TB	1	1058	HG
Q2493-04L	WC-11L	5	1105	HG
CCV65	CCV65	1	1114	HG
CCB65	CCB65	1	1117	HG

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metals
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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136407

Start date: 07/09/2025 **End date:** 07/09/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0939	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	0944	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	0948	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	0952	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	0957	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1001	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1005	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1017	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1022	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1026	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1031	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1035	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1048	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1057	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1147	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1156	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1254	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1258	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1428	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1527	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1533	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1639	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1643	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1750	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1754	Ag,As,Ba,Cd,Cr,Pb,Se
PB168689TB	PB168689TB	1	1835	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1854	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1858	Ag,As,Ba,Cd,Cr,Pb,Se
CCV09	CCV09	1	1948	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	1952	Ag,As,Ba,Cd,Cr,Pb,Se
CCV10	CCV10	1	2041	Ag,As,Ba,Cd,Cr,Pb,Se
CCB10	CCB10	1	2045	Ag,As,Ba,Cd,Cr,Pb,Se
CCV11	CCV11	1	2112	Ag,As,Ba,Cd,Cr,Pb,Se
CCB11	CCB11	1	2116	Ag,As,Ba,Cd,Cr,Pb,Se

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metals
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ANALYSIS RUN LOG

Client: JPCL Engineering **Contract:** JPCL01

Lab code: ACE **Sdg no.:** Q2473

Instrument id number: **Method:** **Run number:** LB136434

Start date: 07/10/2025 **End date:** 07/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1646	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1650	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1655	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1659	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1703	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1707	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1839	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1851	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1855	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1901	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1911	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1915	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1943	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1954	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	2059	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	2104	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	2232	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	2236	Ag,As,Ba,Cd,Cr,Pb,Se
Q2473-07	PIT#3	1	2307	Ag,As,Ba,Cd,Cr,Pb,Se
Q2473-08	PIT#4	1	2311	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	2329	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	2353	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	0047	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	0051	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	0147	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	0223	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	0317	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	0326	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	0418	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	0427	Ag,As,Ba,Cd,Cr,Pb,Se
CCV09	CCV09	1	0519	Ag,As,Ba,Cd,Cr,Pb,Se
CCB09	CCB09	1	0524	Ag,As,Ba,Cd,Cr,Pb,Se
CCV10	CCV10	1	0616	Ag,As,Ba,Cd,Cr,Pb,Se
CCB10	CCB10	1	0621	Ag,As,Ba,Cd,Cr,Pb,Se
CCV11	CCV11	1	0643	Ag,As,Ba,Cd,Cr,Pb,Se
CCB11	CCB11	1	0647	Ag,As,Ba,Cd,Cr,Pb,Se

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LAB CHRONICLE

OrderID:	Q2473	**OrderDate:**	7/1/2025 12:14:15 PM
Client:	JPCL Engineering	**Project:**	NOHO RFI No. SC64025 NYC
Contact:	Paul Rotondi	**Location:**	--Select--,A12,A43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2473-01	**PIT#1**	**SOIL**			**07/01/25 08:20**			**07/01/25**
			Corrosivity	9045D			07/02/25 10:00	
			Cyanide	9012B		07/02/25	07/02/25 11:40	
			Ignitability	1030			07/02/25 08:55	
			Reactive Cyanide	9012B		07/01/25	07/02/25 10:16	
			Reactive Sulfide	9034		07/03/25	07/03/25 16:33	
Q2473-02	**PIT#2**	**SOIL**			**07/01/25 08:30**			**07/01/25**
			Corrosivity	9045D			07/02/25 10:10	
			Cyanide	9012B		07/02/25	07/02/25 11:48	
			Ignitability	1030			07/02/25 09:10	
			Reactive Cyanide	9012B		07/01/25	07/02/25 10:27	
			Reactive Sulfide	9034		07/03/25	07/03/25 16:35	
Q2473-03	**PIT#3**	**SOIL**			**07/01/25 08:40**			**07/01/25**
			Corrosivity	9045D			07/02/25 10:25	
			Cyanide	9012B		07/02/25	07/02/25 11:48	

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LAB CHRONICLE

			Ignitability	1030			07/02/25 09:18
			Reactive Cyanide	9012B		07/01/25	07/02/25 10:27
			Reactive Sulfide	9034		07/03/25	07/03/25 16:37
Q2473-04	**PIT#4**	**SOIL**			**07/01/25 08:50**		**07/01/25**
			Corrosivity	9045D			07/02/25 10:30
			Cyanide	9012B		07/02/25	07/02/25 11:48
			Ignitability	1030			07/02/25 09:25
			Reactive Cyanide	9012B		07/01/25	07/02/25 10:27
			Reactive Sulfide	9034		07/03/25	07/03/25 16:39

SAMPLE DATA

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25 08:20
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#1	SDG No.:	Q2473
Lab Sample ID:	Q2473-01	Matrix:	SOIL
		% Solid:	90

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.3	H	1	0	0	pH		07/02/25 10:00	9045D
Cyanide	0.17	J	1	0.046	0.28	mg/Kg	07/02/25 08:30	07/02/25 11:40	9012B
Ignitability	NO		1	0	0	oC		07/02/25 08:55	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.049	mg/Kg	07/01/25 14:35	07/02/25 10:16	9012B
Reactive Sulfide	6.36	J	1	0.20	10.0	mg/Kg	07/03/25 14:00	07/03/25 16:33	9034

Comments: pH result reported at temperature 24.0 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25 08:30
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#2	SDG No.:	Q2473
Lab Sample ID:	Q2473-02	Matrix:	SOIL
		% Solid:	90.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.1	H	1	0	0	pH		07/02/25 10:10	9045D
Cyanide	0.064	J	1	0.046	0.27	mg/Kg	07/02/25 08:30	07/02/25 11:48	9012B
Ignitability	NO		1	0	0	oC		07/02/25 09:10	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	07/01/25 14:35	07/02/25 10:27	9012B
Reactive Sulfide	6.34	J	1	0.20	10.0	mg/Kg	07/03/25 14:00	07/03/25 16:35	9034

Comments: pH result reported at temperature 23.8 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25 08:40
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#3	SDG No.:	Q2473
Lab Sample ID:	Q2473-03	Matrix:	SOIL
		% Solid:	88.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	10.8	H	1	0	0	pH		07/02/25 10:25	9045D
Cyanide	0.21	J	1	0.046	0.27	mg/Kg	07/02/25 08:30	07/02/25 11:48	9012B
Ignitability	NO		1	0	0	oC		07/02/25 09:18	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	07/01/25 14:35	07/02/25 10:27	9012B
Reactive Sulfide	3.16	J	1	0.20	10.0	mg/Kg	07/03/25 14:00	07/03/25 16:37	9034

Comments: pH result reported at temperature 23.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	07/01/25 08:50
Project:	NOHO RFI No. SC64025 NYC	Date Received:	07/01/25
Client Sample ID:	PIT#4	SDG No.:	Q2473
Lab Sample ID:	Q2473-04	Matrix:	SOIL
		% Solid:	90.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	11.3	H	1	0	0	pH		07/02/25 10:30	9045D
Cyanide	0.25	J	1	0.046	0.27	mg/Kg	07/02/25 08:30	07/02/25 11:48	9012B
Ignitability	NO		1	0	0	oC		07/02/25 09:25	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.050	mg/Kg	07/01/25 14:35	07/02/25 10:27	9012B
Reactive Sulfide	6.37	J	1	0.20	10.0	mg/Kg	07/03/25 14:00	07/03/25 16:39	9034

Comments: pH result reported at temperature 23.4 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **RunNo.:** LB136351

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.02	7	100	90-110	07/02/2025
Sample ID: Corrosivity	CCV1	pH	2.02	2.00	101	90-110	07/02/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	07/02/2025

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Initial and Continuing Calibration Verification

Client:	JPCL Engineering	**SDG No.:**	Q2473
Project:	NOHO RFI No. SC64025 NYC	**RunNo.:**	LB136353

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.097	0.099	98	85-115	07/02/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	07/02/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	07/02/2025
Sample ID: CCV3						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	07/02/2025

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Initial and Continuing Calibration Verification

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **RunNo.:** LB136358

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.096	0.099	97	90-110	07/02/2025
Sample ID:	CCV1						
Cyanide		mg/L	0.24	0.25	96	90-110	07/02/2025
Sample ID:	CCV2						
Cyanide		mg/L	0.24	0.25	96	90-110	07/02/2025
Sample ID:	CCV3						
Cyanide		mg/L	0.25	0.25	100	90-110	07/02/2025
Sample ID:	CCV4						
Cyanide		mg/L	0.25	0.25	100	90-110	07/02/2025

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Initial and Continuing Calibration Blank Summary

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **RunNo.:** LB136353

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025
Sample ID: CCB3							
Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025

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Initial and Continuing Calibration Blank Summary

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **RunNo.:** LB136358

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025
Sample ID:	CCB1							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025
Sample ID:	CCB2							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025
Sample ID:	CCB3							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025
Sample ID:	CCB4							
Cyanide		mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/02/2025

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Preparation Blank Summary

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB168681BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	07/02/2025
Sample ID: PB168682BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	07/03/2025
Sample ID: PB168686BL							
Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	07/02/2025

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Matrix Spike Summary

Client: JPCL Engineering
SDG No.: Q2473
Project: NOHO RFI No. SC64025 NYC
Sample ID: Q2473-01
Client ID: PIT#1MS
Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.80		0.17	J	2.2	1	74	*	07/02/2025

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Matrix Spike Summary

Client: JPCL Engineering
SDG No.: Q2473
Project: NOHO RFI No. SC64025 NYC
Sample ID: Q2473-01
Client ID: PIT#1MSD
Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.80		0.17	J	2.2	1	74	*	07/02/2025

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Duplicate Sample Summary

Client: JPCL Engineering
SDG No.: Q2473
Project: NOHO RFI No. SC64025 NYC
Sample ID: Q2447-08
Client ID: COMP-1DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Cyanide	mg/Kg	+/-20	0.0084	U	0.0084	U	1	0		07/02/2025
Reactive Sulfide	mg/Kg	+/-20	1.58	J	1.58	J	1	0		07/03/2025

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Duplicate Sample Summary

Client: JPCL Engineering
SDG No.: Q2473
Project: NOHO RFI No. SC64025 NYC
Sample ID: Q2473-01
Client ID: PIT#1DUP
Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.17	J	0.16	J	1	6		07/02/2025
Ignitability	oC	+/-20	NO		NO		1	0		07/02/2025

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Duplicate Sample Summary

Client: JPCL Engineering
SDG No.: Q2473
Project: NOHO RFI No. SC64025 NYC
Sample ID: Q2473-01
Client ID: PIT#1MSD
Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	1.80		1.80		1	0		07/02/2025

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Duplicate Sample Summary

Client: JPCL Engineering
SDG No.: Q2473
Project: NOHO RFI No. SC64025 NYC
Sample ID: Q2478-04
Client ID: WC-1DUP
Percent Solids for Spike Sample: 100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	8.91		8.92		1	0.11		07/02/2025

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Laboratory Control Sample Summary

Client: JPCL Engineering **SDG No.:** Q2473

Project: NOHO RFI No. SC64025 NYC **Run No.:** LB136358

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB168686BS								
Cyanide	mg/Kg	5	4.80		96	1	85-115	07/02/2025